

July 29, 2025

New Mexico Oil Conservation Division

New Mexico Energy, Minerals, and Natural Resources Department 1220 South St. Francis Drive Santa Fe. New Mexico 87505

Re: Site Summary Report and Closure Request

Federal Pioneer 1E Hilcorp Energy Company NMOCD Incident No: nAPP2510430103

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Hilcorp Energy Company (Hilcorp), presents this *Site Summary Report and Closure Request* associated with a condensate release at the Federal Pioneer 1E natural gas production well (Site). The Site is located on private land in Unit J, Section 29, Township 30 North, Range 12 West, in San Juan County, New Mexico (Figure 1).

SITE BACKGROUND

On April 13, 2025, Hilcorp personnel discovered a potential release of 12.7 barrels (bbls) of condensate at the Site. Specifically, while attempting to haul contents of the condensate tank for an oil sale, the hauler noted the tank was 12.7 bbls less than gauging data suggested. A Hilcorp operator further investigated and observed a hex plug on the northwest side of the tank that had a small drip. The operator backed out the hex plug off one thread, cleaned the plug, and reinstalled it in the tank. There was no evidence of wet or stained soils with the exception of a small area of wet gravel directly below the hex plug where it had dripped measuring approximately 0.5 square feet. At the time of discovery, it was assumed the released fluids had immediately soaked into the ground and did not pool on the ground surface. The location of the suspected release is indicated on Figure 2 by sample location SS01. Hilcorp notified the New Mexico Oil Conservation Division (NMOCD) of discovery and submitted an initial *Notification of Release* on April 14, 2025. NMOCD assigned the Site Incident Number nAPP2510430103.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

As part of the Site investigation, local geology/hydrogeology and nearby sensitive receptors were assessed in accordance with Title 19, Chapter 15, Part 29, Sections 11 and 12 (19.15.29.11 and 12) of the New Mexico Administrative Code (NMAC).

The Site is located in Quaternary age alluvial deposits associated with the Animas River drainage. The alluvial sediment is likely underlain by the Nacimiento Geologic Formation. In the report titled "Hydrogeology and Water Resources of San Juan Basin, New Mexico" (Stone, et. al., 1983), the alluvial deposits vary greatly across the basin in both hydrologic properties and water quality. Where present in sufficient quantity and quality, wells are located in this formation for stock, irrigation, and domestic use. The Nacimiento Formation is characterized by interbedded black

Page 2

carbonaceous mudstones and white, coarse-grained sandstones, which range in thickness from 418 feet to 2,232 feet. The hydrogeologic properties of the Nacimiento Formation vary dependent on location. Where sufficient yield is present, the primary use of water from this formation is for domestic and/or livestock supply. The Nacimiento Formation is underlain by the Ojo Alamo sandstone (Stone et. al., 1983).

The closest significant watercourse is Halford Independent Ditch, located 30 feet west of the Site. The Site is greater than 200 feet from any lakebed, sinkhole, or playa lake, and is approximately 2 feet from a wetland (Figure 1, shown to the southwest of Site). The nearest fresh-water well is New Mexico Office of the State Engineer (NMOSE) permitted well SJ-02309, located approximately 385 feet northeast of the Site. The recorded depth to water on the NMOSE database is 27 feet below ground surface (bgs). The Site is not within a 100-year floodplain, overlying a subsurface mine, or located within an area underlain by unstable geology (area designated as no potential karst by the Bureau of Land Management [BLM]). Schools, hospitals, institutions, churches, and/or other occupied permanent residence or structures are not located within 300 feet of the Site.

SITE CLOSURE CRITERIA

Based on the information presented above and in accordance with *Table I, Closure Criteria for Soils Impacted by a Release* (19.15.29.12 NMAC), the following Closure Criteria for constituents of concern (COCs) should be applied to the Site:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH) as a combination of gasoline range organics (GRO), diesel range organics (DRO), and motor oil range organics (MRO): 100 mg/kg
- Chloride: 600 mg/kg

SITE ASSESSMENT ACTIVITIES

To assess potential soil impacts from the potential release, Ensolum advanced five hand auger borings (HA01 through HA05) on May 1, 2025. The NMOCD was notified at least two business days prior to commencing confirmation soil samples, with sampling notifications provided in Appendix A. Due to the presence of on-Site equipment and underground utilities, the hand auger borings were advanced in the locations indicated on Figure 2. All hand auger borings were advanced to depths between 4 feet and 5 feet bgs. Soil samples were field screened for the presence of organic vapors using a calibrated photoionization detector (PID), with results recorded in the field notes and PID results summarized in Table 1.

Two soil samples were collected from each hand auger boring: one from the depth interval indicating the greatest potential for impacts based on field screening measurements/observations and one from the terminus of each boring. Soil samples were collected directly into laboratory-provided jars, immediately placed on ice, and submitted to Eurofins Environment Testing for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-MRO following EPA Method 8015M/D; and chloride following EPA Method 300.0. Field indications of petroleum hydrocarbons, including wet soil, staining, odors, or elevated PID readings, were not observed in any of the samples during the field work. Photographs taken during field activities are attached as Appendix B.

Laboratory analytical results indicated BTEX, TPH, and chloride were not detected above the NMOCD Table I Closure Criteria in any of the soil samples collected during the May 2025 assessment.



Page 3

To assess potential impacts present underneath the condensate tank, the tank was removed on June 24, 2025 and one pothole, SS01, was advanced directly underneath the potential release point (hex plug) shown on Figure 2. The pothole was advanced to a depth of 2 feet bgs and samples were collected and field screened in the manner described above. Again, field indications of petroleum hydrocarbons, including wet soil, staining, odors, or elevated PID readings, were not observed during the work. Samples were collected at the ground surface and at a depth of 2 feet bgs from location SS01. Additionally, one 5-point composite sample (CS01) was collected at the ground surface from the tank footprint area. Samples were collected and analyzed in the manner described above for BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride were not detected above the NMOCD Table I Closure Criteria in any of the soil samples collected during the June 2025 assessment.

Based on the results described above, final confirmation soil samples were collected on July 3, 2025. The NMOCD was again notified at least two business days prior to commencing confirmation soil samples, with sampling notifications included in Appendix A. Two 5-point composite samples (CS01 and CS02) were collected at the Site, composite soil sample CS01 was recollected from the ground surface within the tank footprint and composite soil sample CS02 was collected from a depth of approximately 1.5 feet bgs within the pothole that was advanced on June 24, 2025. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a resealable plastic bag and homogenizing the samples by thoroughly mixing. Samples were placed directly into laboratory-provided containers and submitted to Envirotech Analytical Laboratory for analysis of BTEX, TPH, and chloride. Based on the laboratory analytical results, all COC concentrations were either not detected above the laboratory reporting limits or were compliant with NMOCD Table I Closure Criteria.

Soil sample analytical results are summarized in Table 1 and Figures 2 and 3, with complete laboratory analytical reports attached as Appendix C. Photographs taken during Site activities are included in Appendix B.

CONCLUSIONS AND CLOSURE REQUEST

Based on the soil sampling activities and analytical results described above, petroleum hydrocarbon and/or chloride contaminants were not detected in any of the samples collected at the Site above the NMOCD Table I Closure Criteria. Based on the data collected from the Site and the circumstances around the discovery of the release, it is presumed the tank contents were stolen or measurements were inaccurate and no fluids were actually released at the Site. As such, the Site appears to be absent of soil impacts and waste-containing soil; therefore, Site conditions appear to be protective of human health, the environment, and groundwater, and Hilcorp respectfully requests closure for Incident Number nAPP2510430103.

REFERENCES

Stone, W., Lyford, F., Frenzel, P., Mizell, N., & Padgett, E. (1983). Hydrogeology and Water Resources of San Juan Basin, New Mexico. New Mexico Bureau of Mines & Mineral Resources.



Hilcorp Energy Company Site Summary Report and Closure Request Federal Pioneer 1E

Page 4

We appreciate the opportunity to provide this document to the NMOCD. If you should have any questions or comments regarding this document, please contact the undersigned.

Sincerely,

Ensolum, LLC

Tracy Dembrowski
Project Geologist
(720) 989-6175
tdembrowski@ensolum.com

Daniel R. Moir, PG (licensed in WY & TX) Senior Managing Geologist (303) 887-2946 dmoir@ensolum.com

Attachments:

Figure 1: Site Location Map

Figure 2: Delineation Soil Sample Location Map Composite Soil Sample Location Map

Table 1: Soil Sample Analytical Results

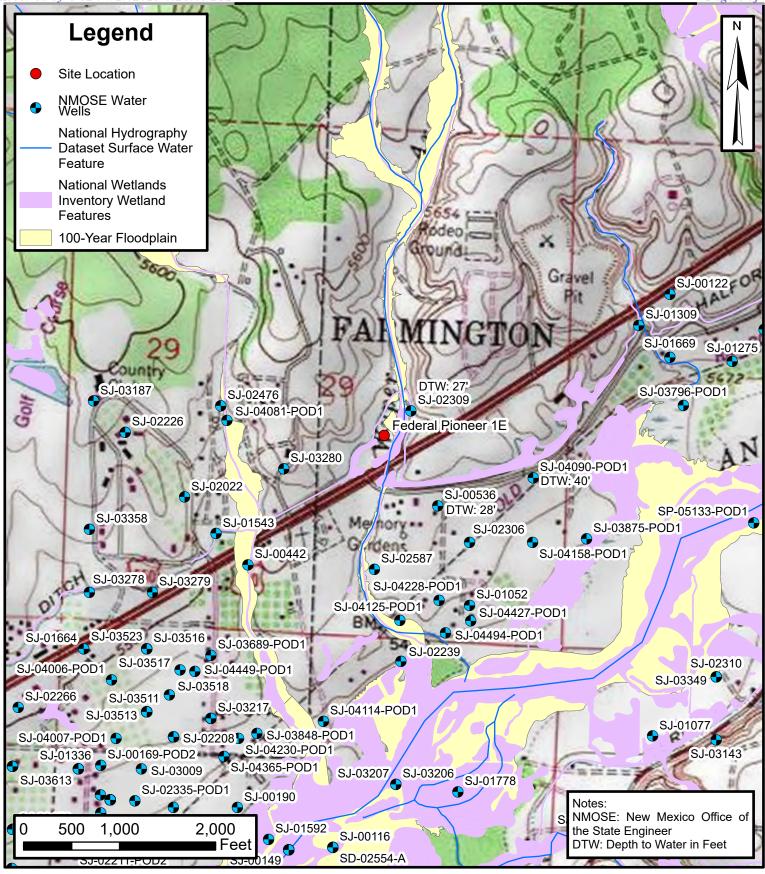
Appendix A: Agency Sampling Notification

Appendix B: Photographic Log

Appendix C: Laboratory Analytical Reports



FIGURES





Site Location Map

Federal Pioneer 1E Hilcorp Energy Company 36.782423, -108.118891 San Juan County, New Mexico FIGURE





Delineation Soil Sample Location Map

Federal Pioneer 1E Hilcorp Energy Company 36.782423, -108.118891 San Juan County, New Mexico FIGURE





Composite Soil Sample Location Map

Federal Pioneer 1E Hilcorp Energy Company 36.782423, -108.118891 San Juan County, New Mexico FIGURE



TABLES



| | | | | | | TABL SAMPLE ANAL Federal Pic Hilcorp Energ San Juan County | YTICAL RES oneer 1E y Company | | | | | | |
|--------------------------|-------------------------------|---------------------|--------------|--------------------|--------------------|--|-------------------------------------|--------------------|--------------------|--------------------|--------------------|----------------------|---------------------|
| Sample Identification | Date | Depth (feet bgs) | PID (ppm) | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Xylenes (mg/kg) | Total BTEX (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH MRO (mg/kg) | Total TPH (mg/kg) | Chloride (mg/kg) |
| NMOCD Closure | Criteria for Soils Release | Impacted by a | NE | 10 | NE | NE | NE | 50 | NE | NE | NE | 100 | 600 |
| | | | | | Delin | eation Soil Sampl | e Analytical Res | ults | | | | | |
| HA01@1' | 5/1/2025 | 1 | 98.2 | <0.025 | < 0.050 | < 0.050 | <0.10 | <0.10 | <5.0 | <9.4 | <47 | <47 | <60 |
| HA01@5' | 5/1/2025 | 5 | 29.9 | <0.025 | < 0.050 | < 0.050 | < 0.099 | < 0.099 | <5.0 | <9.9 | <50 | <50 | <60 |
| HA02@2' | 5/1/2025 | 2 | 6.1 | <0.025 | < 0.050 | < 0.050 | <0.10 | <0.10 | <5.0 | <9.7 | <48 | <48 | <60 |
| HA02@5' | 5/1/2025 | 5 | 2.3 | <0.024 | <0.048 | <0.048 | < 0.097 | < 0.097 | <4.8 | <10 | <50 | <50 | <60 |
| HA03@2' | 5/1/2025 | 2 | 51.4 | <0.023 | <0.046 | <0.046 | < 0.092 | <0.092 | <4.6 | <9.6 | <48 | <48 | <60 |
| HA03@4' | 5/1/2025 | 4 | 49.1 | <0.025 | < 0.050 | < 0.050 | < 0.099 | < 0.099 | <5.0 | <9.5 | <47 | <47 | <60 |
| HA04@3' | 5/1/2025 | 3 | 27.0 | <0.024 | < 0.047 | < 0.047 | < 0.094 | < 0.094 | <4.7 | <9.4 | <47 | <47 | <60 |
| HA04@4' | 5/1/2025 | 4 | 12.1 | <0.024 | < 0.047 | < 0.047 | < 0.094 | < 0.094 | <4.7 | <9.9 | <49 | <49 | <60 |
| HA05@4' | 5/1/2025 | 4 | 41.2 | <0.024 | <0.048 | <0.048 | <0.096 | <0.096 | <4.8 | <9.2 | <46 | <46 | <60 |
| HA05@5' | 5/1/2025 | 5 | 10.5 | <0.024 | <0.048 | <0.048 | < 0.096 | < 0.096 | <4.8 | <9.7 | <48 | <48 | <60 |
| SS01 | 6/24/2025 | 0 - 0.25 | 10.4 | <0.017 | < 0.034 | <0.034 | <0.068 | <0.068 | <3.4 | <9.5 | <47 | <47 | <60 |
| SS01@2' | 6/24/2025 | 2 | 0.4 | <0.016 | < 0.033 | < 0.033 | <0.065 | < 0.065 | <3.3 | <9.7 | <49 | <49 | <60 |
| CS01 | 6/24/2025 | 0 - 0.25 | 14.3 | <0.017 | < 0.035 | < 0.035 | < 0.070 | < 0.070 | <3.5 | <9.1 | <46 | <46 | <60 |
| | | | | | Com | posite Soil Sample | Analytical Res | | | | | | |
| CS01 | 7/3/2025 | 0 - 0.25 | | <0.0250 | <0.0250 | < 0.0250 | <0.0250 | <0.0250 | <20.0 | <25.0 | <50.0 | <50.0 | <20.0 |
| CS02 | 7/3/2025 | 0 - 1.5 | | <0.0250 | <0.0250 | < 0.0250 | <0.0250 | <0.0250 | <20.0 | <25.0 | <50.0 | <50.0 | <20.0 |

Notes:

bgs: Below ground surface

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

mg/kg: Milligrams per kilogram

NE: Not Established

NMOCD: New Mexico Oil Conservation Division

PID: Photoionization detector ppm: Parts per million

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbon

': Feet

<: Indicates result less than the stated laboratory reporting limit (RL)</p>

Ensolum 1 of 1



APPENDIX A

Agency Sampling Notification

From: Rodgers, Scott, EMNRD

To: <u>Stuart Hyde</u>
Cc: <u>Mitch Killough</u>

Subject: RE: [EXTERNAL] NAPP2510430103 - Federal Pioneer 1E Extension Request

Date: Wednesday, July 9, 2025 11:30:00 AM

Attachments: image006.png image007 png

image007.png image008.png

[**EXTERNAL EMAIL**]

Your time extension request is approved. Remediation Due date has been updated to September 10, 2025 within the incident page. Ensure that the site characterization/assessment report has been completed and is provided within the final closure report.

Please keep a copy of this communication for inclusion within the appropriate reporting documentation.

The OCD requires a copy of all correspondence related to remedial activities be included in all proposals, weekly/monthly/quarterly/semi-annual/annual, or final closure reports.

Correspondence reporting requirements may include, but not limited to, time extension requests, sample event notifications, and variance requests.

If you have any questions, please contact me via email at your convenience.

Thank you,

Scott

Scott Rodgers ● Environmental Specialist – Adv. Environmental Bureau
EMNRD - Oil Conservation Division
5200 Oakland NE, Suite B | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd



From: Stuart Hyde <shyde@ensolum.com>

Sent: Tuesday, July 8, 2025 3:05 PM

To: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>; Enviro, OCD, EMNRD

<OCD.Enviro@emnrd.nm.gov>

Cc: Mitch Killough < mkillough@hilcorp.com>

Subject: [EXTERNAL] NAPP2510430103 - Federal Pioneer 1E Extension Request

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Scott,

On behalf of Hilcorp Energy Company, we are requesting a 60-day extension to the 7/12/2025 reporting deadline. At this time, we have conducted final sampling and are awaiting analytical results. If approved, the new deadline would be Wednesday September 10, 2025. Please reach out with any questions. Thanks.



Stuart Hyde, PG

(Licensed in TX, WA, & WY)
Senior Managing Geologist
970-903-1607
Ensolum, LLC
in f X

"If you want to go fast, go alone. If you want to go far, go together." - African Proverb

From: OCDOnline@state.nm.us

To: <u>Stuart Hyde</u>

Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 456148

Date: Monday, April 28, 2025 9:48:56 AM

[**EXTERNAL EMAIL**]

To whom it may concern (c/o Stuart Hyde for HILCORP ENERGY COMPANY),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2510430103.

The sampling event is expected to take place:

When: 05/01/2025 @ 09:00

Where: J-29-30N-12W 2075 FSL 1940 FEL (36.782426,-108.118105)

Additional Information: Contact Stuart Hyde, 970-903-1607

Additional Instructions: Federal Pioneer 1E well pad, 36.782423, -108.118891

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

• Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department 1220 South St. Francis Drive Santa Fe, NM 87505 From: OCDOnline@state.nm.us

To: <u>Stuart Hyde</u>

Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 479671

Date: Friday, June 27, 2025 9:55:08 AM

[**EXTERNAL EMAIL**]

To whom it may concern (c/o Stuart Hyde for HILCORP ENERGY COMPANY),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2510430103.

The sampling event is expected to take place:

When: 07/03/2025 @ 10:00

Where: J-29-30N-12W 2075 FSL 1940 FEL (36.782426,-108.118105)

Additional Information: Contact Stuart Hyde, 970-903-1607

Additional Instructions: Federal Pioneer 1E well pad, 36.782423, -108.118891

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.
- If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department 1220 South St. Francis Drive Santa Fe, NM 87505



APPENDIX B

Photographic Log



Photographic Log

Hilcorp Energy Company Federal Pioneer #1E San Juan County, NM



Photograph: 1 Date: 4/13/2025

Description: Hex plug at release point

View: Southeast



Photograph: 2 Date: 5/1/2025

Description: No obvious release/staining around tanks

View: North



Photograph: 3 Date: 6/24/2025

Description: Pothole below tank location

View: Northeast



Photograph: 4 Date: 6/24/2025

Description: Former condensate tank area

View: South



APPENDIX C

Laboratory Analytical Reports

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mitch Killough Hilcorp Energy PO BOX 4700 Farmington, New Mexico 87499

Generated 5/9/2025 10:33:53 AM

JOB DESCRIPTION

Federal Pioneer 1E

JOB NUMBER

885-24121-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated 5/9/2025 10:33:53 AM

Authorized for release by Michelle Garcia, Project Manager michelle.garcia@et.eurofinsus.com (505)345-3975

Page 2 of 30 5/9/2025

Laboratory Job ID: 885-24121-1

Client: Hilcorp Energy Project/Site: Federal Pioneer 1E

Table of Contents

| Cover Page | 1 |
|------------------------|----|
| Table of Contents | 3 |
| Definitions/Glossary | 4 |
| Case Narrative | 5 |
| Client Sample Results | 6 |
| QC Sample Results | 16 |
| QC Association Summary | 21 |
| Lab Chronicle | 24 |
| Certification Summary | 28 |
| Chain of Custody | 29 |
| Receipt Checklists | 30 |

2

3

4

6

8

9

Definitions/Glossary

Client: Hilcorp Energy Job ID: 885-24121-1

Project/Site: Federal Pioneer 1E

Glossary

EDL

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|--------------|--|
| ‡ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |

Dilution Facto

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE) Limit of Quantitation (DoD/DOE) LOQ MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit MLMinimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

Not Detected at the reporting limit (or MDL or EDL if shown) ND

NEG Negative / Absent POS Positive / Present PQL Practical Quantitation Limit

PRES Presumptive **Quality Control** QC

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Eurofins Albuquerque

Case Narrative

Client: Hilcorp Energy

Job ID: 885-24121-1

Project: Federal Pioneer 1E

Job ID: 885-24121-1 Eurofins Albuquerque

Job Narrative 885-24121-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
 situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
 specified in the method.
- · Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 5/2/2025 7:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.6°C.

Gasoline Range Organics

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

GC VOA

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

Diesel Range Organics

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

HPLC/IC

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

Eurofins Albuquerque

5/9/2025

Client: Hilcorp Energy

Project/Site: Federal Pioneer 1E

Job ID: 885-24121-1

Client Sample ID: HA01@1' Lab Sample ID: 885-24121-1 Date Collected: 05/01/25 10:30

Matrix: Solid

Date Received: 05/02/25 07:10

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics [C6 - C10] | ND | | 5.0 | mg/Kg | | 05/02/25 15:21 | 05/05/25 19:12 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 107 | | 35 - 166 | | | 05/02/25 15:21 | 05/05/25 19:12 | |

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene | ND ND | | 0.025 | mg/Kg | | 05/02/25 15:21 | 05/05/25 19:12 | 1 |
| Ethylbenzene | ND | | 0.050 | mg/Kg | | 05/02/25 15:21 | 05/05/25 19:12 | 1 |
| Toluene | ND | | 0.050 | mg/Kg | | 05/02/25 15:21 | 05/05/25 19:12 | 1 |
| Xylenes, Total | ND | | 0.10 | mg/Kg | | 05/02/25 15:21 | 05/05/25 19:12 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 98 | | 48 - 145 | | | 05/02/25 15:21 | 05/05/25 19:12 | 1 |

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28] | ND | | 9.4 | mg/Kg | | 05/05/25 08:42 | 05/05/25 14:32 | 1 |
| Motor Oil Range Organics [C28-C40] | ND | | 47 | mg/Kg | | 05/05/25 08:42 | 05/05/25 14:32 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| Di-n-octyl phthalate (Surr) | 108 | | 62 - 134 | | | 05/05/25 08:42 | 05/05/25 14:32 | 1 |

| Method: EPA 300.0 - Anions, Ion C | hromatography | | | | | | |
|-----------------------------------|------------------|----|-------|---|----------------|----------------|---------|
| Analyte | Result Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | ND | 60 | mg/Kg | | 05/07/25 06:22 | 05/07/25 09:03 | 20 |

Released to Imaging: 10/9/2025 4:23:32 PM

Client: Hilcorp Energy

Chloride

Project/Site: Federal Pioneer 1E

Job ID: 885-24121-1

Client Sample ID: HA01@5'

Lab Sample ID: 885-24121-2

05/07/25 06:22

05/07/25 09:34

Matrix: Solid

Date Collected: 05/01/25 10:47 Date Received: 05/02/25 07:10

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|---------------|-------------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics [C6 - C10] | ND | | 5.0 | mg/Kg | | 05/02/25 15:21 | 05/05/25 20:23 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 109 | | 35 - 166 | | | 05/02/25 15:21 | 05/05/25 20:23 | 1 |
| Method: SW846 8021B - Volatile | Organic Comp | ounds (GC) |) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | ND | | 0.025 | mg/Kg | | 05/02/25 15:21 | 05/05/25 20:23 | 1 |
| Ethylbenzene | ND | | 0.050 | mg/Kg | | 05/02/25 15:21 | 05/05/25 20:23 | 1 |
| Toluene | ND | | 0.050 | mg/Kg | | 05/02/25 15:21 | 05/05/25 20:23 | 1 |
| Xylenes, Total | ND | | 0.099 | mg/Kg | | 05/02/25 15:21 | 05/05/25 20:23 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 100 | | 48 - 145 | | | 05/02/25 15:21 | 05/05/25 20:23 | 1 |
| Method: SW846 8015M/D - Diese | I Range Organ | ics (DRO) (| GC) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Diesel Range Organics [C10-C28] | ND | | 9.9 | mg/Kg | | 05/05/25 09:07 | 05/05/25 14:44 | 1 |
| Motor Oil Range Organics [C28-C40] | ND | | 50 | mg/Kg | | 05/05/25 09:07 | 05/05/25 14:44 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| Di-n-octyl phthalate (Surr) | 113 | | 62 - 134 | | | 05/05/25 09:07 | 05/05/25 14:44 | 1 |
| Method: EPA 300.0 - Anions, Ion | Chromatograp | hy | | | | | | |
| | | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |

60

mg/Kg

ND

3

6

8

4.0

44

Client: Hilcorp Energy

Di-n-octyl phthalate (Surr)

Analyte

Chloride

Method: EPA 300.0 - Anions, Ion Chromatography

Project/Site: Federal Pioneer 1E

Job ID: 885-24121-1

Client Sample ID: HA02@2'

Lab Sample ID: 885-24121-3

05/05/25 09:07

Prepared

05/07/25 06:22

D

05/05/25 14:56

Analyzed

05/07/25 10:05

Dil Fac

20

Matrix: Solid

Date Collected: 05/01/25 12:13 Date Received: 05/02/25 07:10

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|---------------|-------------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics [C6 - C10] | ND | | 5.0 | mg/Kg | | 05/02/25 15:21 | 05/05/25 21:35 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 107 | | 35 - 166 | | | 05/02/25 15:21 | 05/05/25 21:35 | 1 |
| Method: SW846 8021B - Volatile | Organic Comp | ounds (GC) |) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | ND | | 0.025 | mg/Kg | | 05/02/25 15:21 | 05/05/25 21:35 | 1 |
| Ethylbenzene | ND | | 0.050 | mg/Kg | | 05/02/25 15:21 | 05/05/25 21:35 | 1 |
| Toluene | ND | | 0.050 | mg/Kg | | 05/02/25 15:21 | 05/05/25 21:35 | 1 |
| Xylenes, Total | ND | | 0.10 | mg/Kg | | 05/02/25 15:21 | 05/05/25 21:35 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 98 | | 48 - 145 | | | 05/02/25 15:21 | 05/05/25 21:35 | 1 |
| Method: SW846 8015M/D - Diese | l Range Organ | ics (DRO) (| GC) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Diesel Range Organics [C10-C28] | ND | | 9.7 | mg/Kg | | 05/05/25 09:07 | 05/05/25 14:56 | 1 |
| Motor Oil Range Organics [C28-C40] | ND | | 48 | mg/Kg | | 05/05/25 09:07 | 05/05/25 14:56 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |

62 - 134

RL

60

Unit

mg/Kg

126

ND

Result Qualifier

Eurofins Albuquerque

Client: Hilcorp Energy

Chloride

Project/Site: Federal Pioneer 1E

Lab Sample ID: 885-24121-4

05/07/25 06:22

05/07/25 10:16

Matrix: Solid

Client Sample ID: HA02@5' Date Collected: 05/01/25 12:30

Date Received: 05/02/25 07:10

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------------------|-------------|------------|----------------|---|--------------------------|--------------------------|--------------------------|
| Gasoline Range Organics [C6 - C10] | ND | | 4.8 | mg/Kg | | 05/02/25 15:21 | 05/05/25 21:58 | |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 107 | | 35 - 166 | | | 05/02/25 15:21 | 05/05/25 21:58 | 1 |
| Method: SW846 8021B - Volatile | Organic Comp | ounds (GC) |) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | ND | | 0.024 | mg/Kg | | 05/02/25 15:21 | 05/05/25 21:58 | 1 |
| Ethylbenzene | ND | | 0.048 | mg/Kg | | 05/02/25 15:21 | 05/05/25 21:58 | 1 |
| Toluene | ND | | 0.048 | mg/Kg | | 05/02/25 15:21 | 05/05/25 21:58 | 1 |
| Xylenes, Total | ND | | 0.097 | mg/Kg | | 05/02/25 15:21 | 05/05/25 21:58 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 98 | | 48 - 145 | | | 05/02/25 15:21 | 05/05/25 21:58 | 1 |
| Method: SW846 8015M/D - Diese | l Range Organ | ics (DRO) (| GC) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Allalyte | | | | | | 05/05/05 00 03 | 05/05/05 45 00 | |
| Diesel Range Organics [C10-C28] | ND | | 10 | mg/Kg | | 05/05/25 09:07 | 05/05/25 15:08 | 1 |
| Diesel Range Organics [C10-C28] | ND ND | | 10 50 | mg/Kg mg/Kg | | 05/05/25 09:07 | 05/05/25 15:08 | 1 1 |
| Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] | | Qualifier | | 0 0 | | | | 1 |
| | ND | Qualifier | 50 | 0 0 | | 05/05/25 09:07 | 05/05/25 15:08 | 1 1 Dil Fac |
| Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate | ND %Recovery 127 | | 50 Limits | 0 0 | | 05/05/25 09:07 Prepared | 05/05/25 15:08 Analyzed | 1 |

60

mg/Kg

ND

Job ID: 885-24121-1

Client: Hilcorp Energy

Project/Site: Federal Pioneer 1E

Lab Sample ID: 885-24121-5

Matrix: Solid

Job ID: 885-24121-1

Client Sample ID: HA03@2'

Date Collected: 05/01/25 10:59 Date Received: 05/02/25 07:10

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|---------------|-------------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics [C6 - C10] | ND | | 4.6 | mg/Kg | | 05/02/25 15:21 | 05/05/25 22:22 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 110 | | 35 - 166 | | | 05/02/25 15:21 | 05/05/25 22:22 | 1 |
| Method: SW846 8021B - Volatile | Organic Comp | ounds (GC) |) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | ND | | 0.023 | mg/Kg | | 05/02/25 15:21 | 05/05/25 22:22 | 1 |
| Ethylbenzene | ND | | 0.046 | mg/Kg | | 05/02/25 15:21 | 05/05/25 22:22 | 1 |
| Toluene | ND | | 0.046 | mg/Kg | | 05/02/25 15:21 | 05/05/25 22:22 | 1 |
| Xylenes, Total | ND | | 0.092 | mg/Kg | | 05/02/25 15:21 | 05/05/25 22:22 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 101 | | 48 - 145 | | | 05/02/25 15:21 | 05/05/25 22:22 | 1 |
| Method: SW846 8015M/D - Diese | l Range Organ | ics (DRO) (| GC) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Diesel Range Organics [C10-C28] | ND | | 9.6 | mg/Kg | | 05/05/25 09:07 | 05/06/25 10:00 | 1 |
| Motor Oil Range Organics [C28-C40] | ND | | 48 | mg/Kg | | 05/05/25 09:07 | 05/06/25 10:00 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| Di-n-octyl phthalate (Surr) | 111 | | 62 - 134 | | | 05/05/25 09:07 | 05/06/25 10:00 | 1 |
| Method: EPA 300.0 - Anions, Ion | Chromatograp | hy | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | ND | - | 60 | mg/Kg | | 05/07/25 06:22 | 05/07/25 10:47 | 20 |

Client: Hilcorp Energy

Project/Site: Federal Pioneer 1E

Job ID: 885-24121-1

Client Sample ID: HA03@4'

Lab Sample ID: 885-24121-6

Matrix: Solid

Date Collected: 05/01/25 11:13 Date Received: 05/02/25 07:10

| Method: SW846 8015M/D - Gasol | ine Range Org | anics (GRC |)) (GC) | | | | | |
|------------------------------------|---------------|------------|----------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics [C6 - C10] | ND | | 5.0 | mg/Kg | | 05/02/25 15:21 | 05/05/25 22:46 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | | | 35 - 166 | | | 05/02/25 15:21 | 05/05/25 22:46 | 1 |

| Analyte | Result Qualifi | er RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-------------------|------------|-------|---|----------------|----------------|---------|
| Benzene | ND ND | 0.025 | mg/Kg | | 05/02/25 15:21 | 05/05/25 22:46 | 1 |
| Ethylbenzene | ND | 0.050 | mg/Kg | | 05/02/25 15:21 | 05/05/25 22:46 | 1 |
| Toluene | ND | 0.050 | mg/Kg | | 05/02/25 15:21 | 05/05/25 22:46 | 1 |
| Xylenes, Total | ND | 0.099 | mg/Kg | | 05/02/25 15:21 | 05/05/25 22:46 | 1 |
| Surrogate | %Recovery Qualifi | ier Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 102 | 48 - 145 | | | 05/02/25 15:21 | 05/05/25 22:46 | 1 |

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28] | ND | | 9.5 | mg/Kg | | 05/05/25 09:07 | 05/06/25 10:11 | 1 |
| Motor Oil Range Organics [C28-C40] | ND | | 47 | mg/Kg | | 05/05/25 09:07 | 05/06/25 10:11 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| Di-n-octyl phthalate (Surr) | 112 | | 62 - 134 | | | 05/05/25 09:07 | 05/06/25 10:11 | 1 |

| Method: EPA 300.0 - Anions, Ion C | hromatography | | | | | | |
|-----------------------------------|------------------|----|-------|---|----------------|----------------|---------|
| Analyte | Result Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | ND | 60 | mg/Kg | | 05/07/25 06:22 | 05/07/25 10:57 | 20 |

-

5

6

8

10

Client: Hilcorp Energy

Project/Site: Federal Pioneer 1E

Lab Sample ID: 885-24121-7

Matrix: Solid

Job ID: 885-24121-1

| Client Sample ID: HA04@3' |
|--------------------------------|
| Date Collected: 05/01/25 11:37 |

Date Received: 05/02/25 07:10

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|---------------|-------------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics [C6 - C10] | ND | | 4.7 | mg/Kg | | 05/02/25 15:21 | 05/05/25 23:10 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 111 | | 35 - 166 | | | 05/02/25 15:21 | 05/05/25 23:10 | 1 |
| Method: SW846 8021B - Volatile | Organic Comp | ounds (GC) |) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | ND | | 0.024 | mg/Kg | | 05/02/25 15:21 | 05/05/25 23:10 | 1 |
| Ethylbenzene | ND | | 0.047 | mg/Kg | | 05/02/25 15:21 | 05/05/25 23:10 | 1 |
| Toluene | ND | | 0.047 | mg/Kg | | 05/02/25 15:21 | 05/05/25 23:10 | 1 |
| Xylenes, Total | ND | | 0.094 | mg/Kg | | 05/02/25 15:21 | 05/05/25 23:10 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 101 | | 48 - 145 | | | 05/02/25 15:21 | 05/05/25 23:10 | 1 |
| Method: SW846 8015M/D - Diese | l Range Organ | ics (DRO) (| GC) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Diesel Range Organics [C10-C28] | ND | | 9.4 | mg/Kg | | 05/05/25 09:07 | 05/06/25 10:21 | 1 |
| Motor Oil Range Organics [C28-C40] | ND | | 47 | mg/Kg | | 05/05/25 09:07 | 05/06/25 10:21 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| Di-n-octyl phthalate (Surr) | 109 | | 62 - 134 | | | 05/05/25 09:07 | 05/06/25 10:21 | 1 |
| Method: EPA 300.0 - Anions, Ion | Chromatograp | hy | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| | ND | | 60 | mg/Kg | | 05/07/25 06:22 | 05/07/25 11:07 | 20 |

Client: Hilcorp Energy

Project/Site: Federal Pioneer 1E

Job ID: 885-24121-1

Lab Sample ID: 885-24121-8

Matrix: Solid

Client Sample ID: HA04@4'
Date Collected: 05/01/25 11:45
Date Received: 05/02/25 07:10

| Method: SW846 8015M/D - Gasol | ine Kange Org | anics (GRC |)) (G C) | | | | | |
|------------------------------------|---------------|------------|------------------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics [C6 - C10] | ND | | 4.7 | mg/Kg | | 05/02/25 15:21 | 05/05/25 23:33 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 111 | | 35 - 166 | | | 05/02/25 15:21 | 05/05/25 23:33 | 1 |

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene | ND | | 0.024 | mg/Kg | | 05/02/25 15:21 | 05/05/25 23:33 | 1 |
| Ethylbenzene | ND | | 0.047 | mg/Kg | | 05/02/25 15:21 | 05/05/25 23:33 | 1 |
| Toluene | ND | | 0.047 | mg/Kg | | 05/02/25 15:21 | 05/05/25 23:33 | 1 |
| Xylenes, Total | ND | | 0.094 | mg/Kg | | 05/02/25 15:21 | 05/05/25 23:33 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 100 | | 48 - 145 | | | 05/02/25 15:21 | 05/05/25 23:33 | 1 |

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28] | ND | | 9.9 | mg/Kg | | 05/05/25 09:07 | 05/06/25 10:32 | 1 |
| Motor Oil Range Organics [C28-C40] | ND | | 49 | mg/Kg | | 05/05/25 09:07 | 05/06/25 10:32 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| Di-n-octyl phthalate (Surr) | 111 | | 62 - 134 | | | 05/05/25 09:07 | 05/06/25 10:32 | 1 |

| Method: EPA 300.0 - Anions, Ion C | hromatography | | | | | | |
|-----------------------------------|------------------|----|-------|---|----------------|----------------|---------|
| Analyte | Result Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | ND | 60 | mg/Kg | | 05/07/25 06:22 | 05/07/25 11:18 | 20 |

Client: Hilcorp Energy

Project/Site: Federal Pioneer 1E

Job ID: 885-24121-1

Lab Sample ID: 885-24121-9

Matrix: Solid

Client Sample ID: HA05@4'
Date Collected: 05/01/25 12:53

| Date Received: 05 | /02/25 07:10 |
|-------------------|--------------|
|-------------------|--------------|

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|---------------|-------------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics [C6 - C10] | ND | | 4.8 | mg/Kg | | 05/02/25 15:21 | 05/05/25 23:57 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 110 | | 35 - 166 | | | 05/02/25 15:21 | 05/05/25 23:57 | |
| Method: SW846 8021B - Volatile | Organic Comp | ounds (GC) |) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | ND | | 0.024 | mg/Kg | | 05/02/25 15:21 | 05/05/25 23:57 | 1 |
| Ethylbenzene | ND | | 0.048 | mg/Kg | | 05/02/25 15:21 | 05/05/25 23:57 | 1 |
| Toluene | ND | | 0.048 | mg/Kg | | 05/02/25 15:21 | 05/05/25 23:57 | 1 |
| Xylenes, Total | ND | | 0.096 | mg/Kg | | 05/02/25 15:21 | 05/05/25 23:57 | |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fa |
| 4-Bromofluorobenzene (Surr) | 101 | | 48 - 145 | | | 05/02/25 15:21 | 05/05/25 23:57 | |
| Method: SW846 8015M/D - Diese | l Range Organ | ics (DRO) (| GC) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Diesel Range Organics [C10-C28] | ND | | 9.2 | mg/Kg | | 05/05/25 10:13 | 05/05/25 14:50 | 1 |
| Motor Oil Range Organics [C28-C40] | ND | | 46 | mg/Kg | | 05/05/25 10:13 | 05/05/25 14:50 | , |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fa |
| Di-n-octyl phthalate (Surr) | 94 | | 62 - 134 | | | 05/05/25 10:13 | 05/05/25 14:50 | |
| Method: EPA 300.0 - Anions, Ion | Chromatograp | hy | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | ND. | | 60 | mg/Kg | | 05/07/25 06:22 | 05/07/25 11:28 | 20 |

4

7

0

10

11

E/0/2021

Client: Hilcorp Energy

Project/Site: Federal Pioneer 1E

Job ID: 885-24121-1

Client Sample ID: HA05@5'

Lab Sample ID: 885-24121-10

Matrix: Solid

Date Collected: 05/01/25 13:00 Date Received: 05/02/25 07:10

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|--------------|-------------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics [C6 - C10] | ND | | 4.8 | mg/Kg | | 05/02/25 15:21 | 05/06/25 00:21 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 109 | | 35 - 166 | | | 05/02/25 15:21 | 05/06/25 00:21 | 1 |
| Method: SW846 8021B - Volatile | Organic Comp | ounds (GC) |) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | ND | | 0.024 | mg/Kg | | 05/02/25 15:21 | 05/06/25 00:21 | 1 |
| Ethylbenzene | ND | | 0.048 | mg/Kg | | 05/02/25 15:21 | 05/06/25 00:21 | 1 |
| Toluene | ND | | 0.048 | mg/Kg | | 05/02/25 15:21 | 05/06/25 00:21 | 1 |
| Xylenes, Total | ND | | 0.096 | mg/Kg | | 05/02/25 15:21 | 05/06/25 00:21 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 100 | | 48 - 145 | | | 05/02/25 15:21 | 05/06/25 00:21 | 1 |
| Method: SW846 8015M/D - Diese | Range Organ | ics (DRO) (| GC) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Diesel Range Organics [C10-C28] | ND | | 9.7 | mg/Kg | | 05/05/25 10:13 | 05/05/25 16:01 | 1 |
| Motor Oil Range Organics [C28-C40] | ND | | 48 | mg/Kg | | 05/05/25 10:13 | 05/05/25 16:01 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| Di-n-octyl phthalate (Surr) | 101 | | 62 - 134 | | | 05/05/25 10:13 | 05/05/25 16:01 | 1 |
| Method: EPA 300.0 - Anions, Ion | Chromatograp | hy | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| | | | | | | | | |

Job ID: 885-24121-1

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 25435

Project/Site: Federal Pioneer 1E

Client: Hilcorp Energy

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-25435/1-A **Matrix: Solid**

Analysis Batch: 25522

| | MB | MB | | | | | | |
|------------------------------------|--------|-----------|-----|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics [C6 - C10] | ND | | 5.0 | mg/Kg | | 05/02/25 15:21 | 05/05/25 18:49 | 1 |
| | | | | | | | | |

MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 106 35 - 166 05/02/25 15:21 05/05/25 18:49

Lab Sample ID: LCS 885-25435/2-A Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 25522

Prep Batch: 25435 Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits 25.0 32.5 130 70 - 130 mg/Kg Gasoline Range Organics [C6 -

C10]

LCS LCS

%Recovery Qualifier Limits Surrogate 226 35 - 166 4-Bromofluorobenzene (Surr)

Lab Sample ID: 885-24121-1 MS

Analysis Batch: 25522

Matrix: Solid Prep Type: Total/NA

Prep Batch: 25435

Client Sample ID: HA01@1'

Sample Sample Spike MS MS Result Qualifier Added Result Qualifier Analyte Unit D %Rec Limits 24.9 Gasoline Range Organics [C6 -ND 30.6 mg/Kg 123 70 - 130

C10]

MS MS

%Recovery Qualifier Limits Surrogate 4-Bromofluorobenzene (Surr) 226 35 - 166

Lab Sample ID: 885-24121-1 MSD

Matrix: Solid

Analysis Batch: 25522

Client Sample ID: HA01@1'

Prep Batch: 25435

Sample Sample MSD MSD Spike Result Qualifier Added RPD Limit Analyte Result Qualifier %Rec Limits Unit Gasoline Range Organics [C6 -ND 25.0 28.0 mg/Kg 112 70 - 130

C10]

MSD MSD

%Recovery Surrogate Qualifier Limits 35 - 166 4-Bromofluorobenzene (Surr) 216

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-25435/1-A

Matrix: Solid

Released to Imaging: 10/9/2025 4:23:32 PM

Analysis Batch: 25523

Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 25435

MB MB Analyte Result Qualifier RL Unit Prepared Dil Fac D Analyzed 0.025 Benzene ND mg/Kg 05/02/25 15:21 05/05/25 18:49 Ethylbenzene ND 0.050 mg/Kg 05/02/25 15:21 05/05/25 18:49 ND 0.050 05/05/25 18:49 Toluene 05/02/25 15:21 mg/Kg

Eurofins Albuquerque

Prep Type: Total/NA

RPD %Rec

Client: Hilcorp Energy

Project/Site: Federal Pioneer 1E

Job ID: 885-24121-1

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

Lab Sample ID: MB 885-25435/1-A

Matrix: Solid

Analysis Batch: 25523

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 25435

| Analyte | Result C | Qualifier RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|----------|--------------|-------|---|----------------|----------------|---------|
| Xylenes, Total | ND | 0.10 | mg/Kg | | 05/02/25 15:21 | 05/05/25 18:49 | 1 |

MR MR

MB MB

%Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 98 48 - 145 05/02/25 15:21 05/05/25 18:49

Lab Sample ID: LCS 885-25435/3-A Client Sample ID: Lab Control Sample

Analysis Batch: 25523

Matrix: Solid Prep Type: Total/NA

Prep Batch: 25435

| | Spike | LCS | LCS | | | | %Rec | |
|----------------|-------|--------|-----------|-------|---|------|----------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Benzene | 1.00 | 1.09 | | mg/Kg | | 109 | 70 - 130 | |
| Ethylbenzene | 1.00 | 1.05 | | mg/Kg | | 105 | 70 - 130 | |
| m&p-Xylene | 2.00 | 2.21 | | mg/Kg | | 110 | 70 - 130 | |
| o-Xylene | 1.00 | 1.06 | | mg/Kg | | 106 | 70 - 130 | |
| Toluene | 1.00 | 1.06 | | mg/Kg | | 106 | 70 - 130 | |
| Xylenes, Total | 3.00 | 3.27 | | mg/Kg | | 109 | 70 - 130 | |
| | | | | | | | | |

LCS LCS

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 101 48 - 145

Lab Sample ID: 885-24121-2 MS

Matrix: Solid

Analysis Batch: 25523

Client Sample ID: HA01@5'

Prep Type: Total/NA

Prep Batch: 25435

| | Sample | Sample | Spike | MS | MS | | | | %Rec | |
|----------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|--|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Benzene | ND | | 0.994 | 1.00 | | mg/Kg | | 101 | 70 - 130 | |
| Ethylbenzene | ND | | 0.994 | 0.988 | | mg/Kg | | 99 | 70 - 130 | |
| m&p-Xylene | ND | | 1.99 | 2.12 | | mg/Kg | | 107 | 70 - 130 | |
| o-Xylene | ND | | 0.994 | 1.00 | | mg/Kg | | 101 | 70 - 130 | |
| Toluene | ND | | 0.994 | 1.00 | | mg/Kg | | 101 | 70 - 130 | |
| Xylenes, Total | ND | | 2.98 | 3.12 | | mg/Kg | | 105 | 70 - 130 | |
| | | | | | | | | | | |

MS MS

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 102 48 - 145

Lab Sample ID: 885-24121-2 MSD

Matrix: Solid

Analysis Batch: 25523

| Client S | Sample | e ID: F | 1A01@5' | |
|----------|--------|---------|----------|--|
| | Prep 1 | Гуре: | Total/NA | |

Prep Batch: 25435

| | Sample | Sample | Spike | MSD | MSD | | | | %Rec | | RPD |
|----------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Benzene | ND | | 0.999 | 1.02 | | mg/Kg | | 102 | 70 - 130 | 1 | 20 |
| Ethylbenzene | ND | | 0.999 | 0.995 | | mg/Kg | | 100 | 70 - 130 | 1 | 20 |
| m&p-Xylene | ND | | 2.00 | 2.13 | | mg/Kg | | 107 | 70 - 130 | 1 | 20 |
| o-Xylene | ND | | 0.999 | 1.02 | | mg/Kg | | 102 | 70 - 130 | 2 | 20 |
| Toluene | ND | | 0.999 | 1.01 | | mg/Kg | | 101 | 70 - 130 | 0 | 20 |
| Xylenes, Total | ND | | 3.00 | 3.15 | | mg/Kg | | 105 | 70 - 130 | 1 | 20 |

Eurofins Albuquerque

Job ID: 885-24121-1

Project/Site: Federal Pioneer 1E

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

Lab Sample ID: 885-24121-2 MSD

Matrix: Solid

Client: Hilcorp Energy

Analysis Batch: 25523

Client Sample ID: HA01@5' Prep Type: Total/NA

Prep Batch: 25435

MSD MSD

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 103 48 - 145

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-25466/1-A

Matrix: Solid

Analysis Batch: 25465

Client Sample ID: Method Blank

05/05/25 11:07

Prep Type: Total/NA

Prep Batch: 25466

MB MB Analyte Result Qualifier RLUnit D Prepared Dil Fac Analyzed Diesel Range Organics [C10-C28] 05/05/25 08:40 ND 10 mg/Kg 05/05/25 11:07 Motor Oil Range Organics [C28-C40] ND 50 05/05/25 08:40 05/05/25 11:07 mg/Kg MB MB %Recovery Limits Qualifier Dil Fac Surrogate Prepared Analyzed

Lab Sample ID: LCS 885-25466/2-A Client Sample ID: Lab Control Sample

62 - 134

Matrix: Solid

Analysis Batch: 25465

Di-n-octyl phthalate (Surr)

Prep Type: Total/NA Prep Batch: 25466

05/05/25 08:40

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits Diesel Range Organics 50.0 44.8 90 51 - 148 mg/Kg

[C10-C28]

LCS LCS

113

Surrogate %Recovery Qualifier Limits Di-n-octyl phthalate (Surr) 96 62 - 134

Lab Sample ID: MB 885-25478/1-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 25464

Prep Type: Total/NA Prep Batch: 25478

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac 10 Diesel Range Organics [C10-C28] ND mg/Kg 05/05/25 10:13 05/05/25 12:06 Motor Oil Range Organics [C28-C40] ND 50 05/05/25 10:13 05/05/25 12:06 mg/Kg

MR MR

мв мв

%Recovery Qualifier Limits Prepared Surrogate 05/05/25 10:13 Di-n-octyl phthalate (Surr) 99 62 - 134 05/05/25 12:06

Lab Sample ID: LCS 885-25478/2-A

Matrix: Solid

Analysis Batch: 25464

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

51 _ 148

mg/Kg

Prep Batch: 25478

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Diesel Range Organics 50.0 44 5 89

[C10-C28]

LCS LCS

Surrogate %Recovery Qualifier Limits Di-n-octyl phthalate (Surr) 99 62 - 134

Eurofins Albuquerque

Dil Fac Analyzed

Client Sample ID: HA05@4'

Prep Type: Total/NA Prep Batch: 25478

Prep Type: Total/NA

Prep Batch: 25616

Prep Batch: 25616

Job ID: 885-24121-1

Project/Site: Federal Pioneer 1E

Method: 8015M/D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 885-24121-9 MS Client Sample ID: HA05@4' Prep Type: Total/NA

Matrix: Solid

Client: Hilcorp Energy

Analysis

| Analysis Batch: 25464 | | | | | | | | | Prep | Batch: 2 | 25478 |
|-----------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|----------|-------|
| | Sample | Sample | Spike | MS | MS | | | | %Rec | | |
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | | |
| Diesel Range Organics | ND | | 48.7 | 45.4 | | mg/Kg | | 93 | 44 - 136 | | |

[C10-C28]

MS MS

%Recovery Surrogate Qualifier Limits 62 - 134 Di-n-octyl phthalate (Surr) 105

Lab Sample ID: 885-24121-9 MSD

Matrix: Solid

Analysis Batch: 25464

| - | Sample | Sample | Spike | MSD | MSD | | | | %Rec | | RPD |
|-----------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Diesel Range Organics | ND | | 48.8 | 46.1 | | mg/Kg | | 94 | 44 - 136 | 2 | 32 |
| 10.10.0003 | | | | | | | | | | | |

[C10-C28]

MSD MSD

Surrogate %Recovery Qualifier Limits Di-n-octyl phthalate (Surr) 106 62 - 134

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-25616/1-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 25622

мв мв

Result Qualifier Unit Analyte RLD Prepared Analyzed Dil Fac 1.5 Chloride 05/07/25 06:22 05/07/25 08:28 ND mg/Kg

Lab Sample ID: LCS 885-25616/2-A Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 25622

LCS LCS Spike Analyte Added Result Qualifier Unit D %Rec Limits Chloride 15.0 14.2 mg/Kg 95 90 - 110

| Lab Sample ID: 885-24121-1 MS | | | | Client Sample ID: HA01@1' |
|-------------------------------|---------------|--------|-------|---------------------------|
| Matrix: Solid | | | | Prep Type: Total/NA |
| Analysis Batch: 25622 | | | | Prep Batch: 25616 |
| | Cample Cample | Cuilta | MC MC | 0/ Dan |

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride ND 29.8 ND NC 50 - 150 mg/Kg

Lab Sample ID: 885-24121-1 MSD

Matrix: Solid

| Analysis Batch: 25622 | | | | | | | | | Pre | p Batch: | 25616 |
|-----------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|----------|-------|
| | Sample | Sample | Spike | MSD | MSD | | | | %Rec | | RPD |
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Chloride | ND | | 30.1 | ND | | mg/Kg | | NC | 50 - 150 | NC | 20 |

Eurofins Albuquerque

Client Sample ID: HA01@1'

Prep Type: Total/NA

QC Sample Results

Client: Hilcorp Energy Job ID: 885-24121-1

Project/Site: Federal Pioneer 1E

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 885-24121-2 MS

Matrix: Solid

Client Sample ID: HA01@5'

Prep Type: Total/NA

Analysis Batch: 25622 Prep Batch: 25616

Sample Sample Spike MS MS Result Qualifier Added Result Qualifier Analyte Unit D %Rec Limits Chloride ND 30.0 ND mg/Kg NC 50 - 150

Lab Sample ID: 885-24121-2 MSD Client Sample ID: HA01@5'

Matrix: Solid Prep Type: Total/NA

Analysis Batch: 25622 Prep Batch: 25616

Sample Sample Spike MSD MSD %Rec RPD Result Qualifier Limit Added Result Qualifier Limits RPD Analyte Unit D %Rec Chloride ND 30.2 ND mg/Kg NC 50 - 150 NC 20

3

3

4

6

7

8

9

10

Client: Hilcorp Energy

Job ID: 885-24121-1

Project/Site: Federal Pioneer 1E

GC VOA

Prep Batch: 25435

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-24121-1 | HA01@1' | Total/NA | Solid | 5030C | |
| 885-24121-2 | HA01@5' | Total/NA | Solid | 5030C | |
| 885-24121-3 | HA02@2' | Total/NA | Solid | 5030C | |
| 885-24121-4 | HA02@5' | Total/NA | Solid | 5030C | |
| 885-24121-5 | HA03@2' | Total/NA | Solid | 5030C | |
| 885-24121-6 | HA03@4' | Total/NA | Solid | 5030C | |
| 885-24121-7 | HA04@3' | Total/NA | Solid | 5030C | |
| 885-24121-8 | HA04@4' | Total/NA | Solid | 5030C | |
| 885-24121-9 | HA05@4' | Total/NA | Solid | 5030C | |
| 885-24121-10 | HA05@5' | Total/NA | Solid | 5030C | |
| MB 885-25435/1-A | Method Blank | Total/NA | Solid | 5030C | |
| LCS 885-25435/2-A | Lab Control Sample | Total/NA | Solid | 5030C | |
| LCS 885-25435/3-A | Lab Control Sample | Total/NA | Solid | 5030C | |
| 885-24121-1 MS | HA01@1' | Total/NA | Solid | 5030C | |
| 885-24121-1 MSD | HA01@1' | Total/NA | Solid | 5030C | |
| 885-24121-2 MS | HA01@5' | Total/NA | Solid | 5030C | |
| 885-24121-2 MSD | HA01@5' | Total/NA | Solid | 5030C | |

Analysis Batch: 25522

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|---------|------------|
| 885-24121-1 | HA01@1' | Total/NA | Solid | 8015M/D | 25435 |
| 885-24121-2 | HA01@5' | Total/NA | Solid | 8015M/D | 25435 |
| 885-24121-3 | HA02@2' | Total/NA | Solid | 8015M/D | 25435 |
| 885-24121-4 | HA02@5' | Total/NA | Solid | 8015M/D | 25435 |
| 885-24121-5 | HA03@2' | Total/NA | Solid | 8015M/D | 25435 |
| 885-24121-6 | HA03@4' | Total/NA | Solid | 8015M/D | 25435 |
| 885-24121-7 | HA04@3' | Total/NA | Solid | 8015M/D | 25435 |
| 885-24121-8 | HA04@4' | Total/NA | Solid | 8015M/D | 25435 |
| 885-24121-9 | HA05@4' | Total/NA | Solid | 8015M/D | 25435 |
| 885-24121-10 | HA05@5' | Total/NA | Solid | 8015M/D | 25435 |
| MB 885-25435/1-A | Method Blank | Total/NA | Solid | 8015M/D | 25435 |
| LCS 885-25435/2-A | Lab Control Sample | Total/NA | Solid | 8015M/D | 25435 |
| 885-24121-1 MS | HA01@1' | Total/NA | Solid | 8015M/D | 25435 |
| 885-24121-1 MSD | HA01@1' | Total/NA | Solid | 8015M/D | 25435 |

Analysis Batch: 25523

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-24121-1 | HA01@1' | Total/NA | Solid | 8021B | 25435 |
| 885-24121-2 | HA01@5' | Total/NA | Solid | 8021B | 25435 |
| 885-24121-3 | HA02@2' | Total/NA | Solid | 8021B | 25435 |
| 885-24121-4 | HA02@5' | Total/NA | Solid | 8021B | 25435 |
| 885-24121-5 | HA03@2' | Total/NA | Solid | 8021B | 25435 |
| 885-24121-6 | HA03@4' | Total/NA | Solid | 8021B | 25435 |
| 885-24121-7 | HA04@3' | Total/NA | Solid | 8021B | 25435 |
| 885-24121-8 | HA04@4' | Total/NA | Solid | 8021B | 25435 |
| 885-24121-9 | HA05@4' | Total/NA | Solid | 8021B | 25435 |
| 885-24121-10 | HA05@5' | Total/NA | Solid | 8021B | 25435 |
| MB 885-25435/1-A | Method Blank | Total/NA | Solid | 8021B | 25435 |
| LCS 885-25435/3-A | Lab Control Sample | Total/NA | Solid | 8021B | 25435 |
| 885-24121-2 MS | HA01@5' | Total/NA | Solid | 8021B | 25435 |
| 885-24121-2 MSD | HA01@5' | Total/NA | Solid | 8021B | 25435 |

Eurofins Albuquerque

5/9/2025

Page 21 of 30

Client: Hilcorp Energy
Project/Site: Federal Pioneer 1E

Job ID: 885-24121-1

GC Semi VOA

Analysis Batch: 25464

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|---------|------------|
| 885-24121-9 | HA05@4' | Total/NA | Solid | 8015M/D | 25478 |
| 885-24121-10 | HA05@5' | Total/NA | Solid | 8015M/D | 25478 |
| MB 885-25478/1-A | Method Blank | Total/NA | Solid | 8015M/D | 25478 |
| LCS 885-25478/2-A | Lab Control Sample | Total/NA | Solid | 8015M/D | 25478 |
| 885-24121-9 MS | HA05@4' | Total/NA | Solid | 8015M/D | 25478 |
| 885-24121-9 MSD | HA05@4' | Total/NA | Solid | 8015M/D | 25478 |

Analysis Batch: 25465

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|---------|------------|
| 885-24121-1 | HA01@1' | Total/NA | Solid | 8015M/D | 25466 |
| 885-24121-2 | HA01@5' | Total/NA | Solid | 8015M/D | 25466 |
| 885-24121-3 | HA02@2' | Total/NA | Solid | 8015M/D | 25466 |
| 885-24121-4 | HA02@5' | Total/NA | Solid | 8015M/D | 25466 |
| MB 885-25466/1-A | Method Blank | Total/NA | Solid | 8015M/D | 25466 |
| LCS 885-25466/2-A | Lab Control Sample | Total/NA | Solid | 8015M/D | 25466 |

Prep Batch: 25466

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-24121-1 | HA01@1' | Total/NA | Solid | SHAKE | <u> </u> |
| 885-24121-2 | HA01@5' | Total/NA | Solid | SHAKE | |
| 885-24121-3 | HA02@2' | Total/NA | Solid | SHAKE | |
| 885-24121-4 | HA02@5' | Total/NA | Solid | SHAKE | |
| 885-24121-5 | HA03@2' | Total/NA | Solid | SHAKE | |
| 885-24121-6 | HA03@4' | Total/NA | Solid | SHAKE | |
| 885-24121-7 | HA04@3' | Total/NA | Solid | SHAKE | |
| 885-24121-8 | HA04@4' | Total/NA | Solid | SHAKE | |
| MB 885-25466/1-A | Method Blank | Total/NA | Solid | SHAKE | |
| LCS 885-25466/2-A | Lab Control Sample | Total/NA | Solid | SHAKE | |

Prep Batch: 25478

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-24121-9 | HA05@4' | Total/NA | Solid | SHAKE | |
| 885-24121-10 | HA05@5' | Total/NA | Solid | SHAKE | |
| MB 885-25478/1-A | Method Blank | Total/NA | Solid | SHAKE | |
| LCS 885-25478/2-A | Lab Control Sample | Total/NA | Solid | SHAKE | |
| 885-24121-9 MS | HA05@4' | Total/NA | Solid | SHAKE | |
| 885-24121-9 MSD | HA05@4' | Total/NA | Solid | SHAKE | |

Analysis Batch: 25545

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 885-24121-5 | HA03@2' | Total/NA | Solid | 8015M/D | 25466 |
| 885-24121-6 | HA03@4' | Total/NA | Solid | 8015M/D | 25466 |
| 885-24121-7 | HA04@3' | Total/NA | Solid | 8015M/D | 25466 |
| 885-24121-8 | HA04@4' | Total/NA | Solid | 8015M/D | 25466 |

HPLC/IC

Prep Batch: 25616

Released to Imaging: 10/9/2025 4:23:32 PM

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 885-24121-1 | HA01@1' | Total/NA | Solid | 300_Prep | |
| 885-24121-2 | HA01@5' | Total/NA | Solid | 300_Prep | |

Eurofins Albuquerque

Page 22 of 30

8

9

1

ralie

Client: Hilcorp Energy
Project/Site: Federal Pioneer 1E

Job ID: 885-24121-1

HPLC/IC (Continued)

Prep Batch: 25616 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|----------|------------|
| 885-24121-3 | HA02@2' | Total/NA | Solid | 300_Prep | _ |
| 885-24121-4 | HA02@5' | Total/NA | Solid | 300_Prep | |
| 885-24121-5 | HA03@2' | Total/NA | Solid | 300_Prep | |
| 885-24121-6 | HA03@4' | Total/NA | Solid | 300_Prep | |
| 885-24121-7 | HA04@3' | Total/NA | Solid | 300_Prep | |
| 885-24121-8 | HA04@4' | Total/NA | Solid | 300_Prep | |
| 885-24121-9 | HA05@4' | Total/NA | Solid | 300_Prep | |
| 885-24121-10 | HA05@5' | Total/NA | Solid | 300_Prep | |
| MB 885-25616/1-A | Method Blank | Total/NA | Solid | 300_Prep | |
| LCS 885-25616/2-A | Lab Control Sample | Total/NA | Solid | 300_Prep | |
| 885-24121-1 MS | HA01@1' | Total/NA | Solid | 300_Prep | |
| 885-24121-1 MSD | HA01@1' | Total/NA | Solid | 300_Prep | |
| 885-24121-2 MS | HA01@5' | Total/NA | Solid | 300_Prep | |
| 885-24121-2 MSD | HA01@5' | Total/NA | Solid | 300_Prep | |

Analysis Batch: 25622

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-24121-1 | HA01@1' | Total/NA | Solid | 300.0 | 25616 |
| 885-24121-2 | HA01@5' | Total/NA | Solid | 300.0 | 25616 |
| 885-24121-3 | HA02@2' | Total/NA | Solid | 300.0 | 25616 |
| 885-24121-4 | HA02@5' | Total/NA | Solid | 300.0 | 25616 |
| 885-24121-5 | HA03@2' | Total/NA | Solid | 300.0 | 25616 |
| 885-24121-6 | HA03@4' | Total/NA | Solid | 300.0 | 25616 |
| 885-24121-7 | HA04@3' | Total/NA | Solid | 300.0 | 25616 |
| 885-24121-8 | HA04@4' | Total/NA | Solid | 300.0 | 25616 |
| 885-24121-9 | HA05@4' | Total/NA | Solid | 300.0 | 25616 |
| 885-24121-10 | HA05@5' | Total/NA | Solid | 300.0 | 25616 |
| MB 885-25616/1-A | Method Blank | Total/NA | Solid | 300.0 | 25616 |
| LCS 885-25616/2-A | Lab Control Sample | Total/NA | Solid | 300.0 | 25616 |
| 885-24121-1 MS | HA01@1' | Total/NA | Solid | 300.0 | 25616 |
| 885-24121-1 MSD | HA01@1' | Total/NA | Solid | 300.0 | 25616 |
| 885-24121-2 MS | HA01@5' | Total/NA | Solid | 300.0 | 25616 |
| 885-24121-2 MSD | HA01@5' | Total/NA | Solid | 300.0 | 25616 |

Eurofins Albuquerque

Project/Site: Federal Pioneer 1E

Client: Hilcorp Energy

Client Sample ID: HA01@1'

Lab Sample ID: 885-24121-1

Matrix: Solid

Date Collected: 05/01/25 10:30 Date Received: 05/02/25 07:10

| | Batch | Batch | | Dilution | Batch | | | Prepared |
|-----------|----------|----------|-----|----------|--------|---------|---------|----------------|
| Prep Type | Туре | Method | Run | Factor | Number | Analyst | Lab | or Analyzed |
| Total/NA | Prep | 5030C | | | 25435 | AT | EET ALB | 05/02/25 15:21 |
| Total/NA | Analysis | 8015M/D | | 1 | 25522 | JP | EET ALB | 05/05/25 19:12 |
| Total/NA | Prep | 5030C | | | 25435 | AT | EET ALB | 05/02/25 15:21 |
| Total/NA | Analysis | 8021B | | 1 | 25523 | JP | EET ALB | 05/05/25 19:12 |
| Total/NA | Prep | SHAKE | | | 25466 | EM | EET ALB | 05/05/25 08:42 |
| Total/NA | Analysis | 8015M/D | | 1 | 25465 | MI | EET ALB | 05/05/25 14:32 |
| Total/NA | Prep | 300_Prep | | | 25616 | JT | EET ALB | 05/07/25 06:22 |
| Total/NA | Analysis | 300.0 | | 20 | 25622 | RC | EET ALB | 05/07/25 09:03 |

Lab Sample ID: 885-24121-2

Matrix: Solid

Client Sample ID: HA01@5' Date Collected: 05/01/25 10:47

Date Received: 05/02/25 07:10

| | Batch | Batch | | Dilution | Batch | | | Prepared |
|-----------|----------|----------|-----|----------|--------|---------|---------|----------------|
| Prep Type | Туре | Method | Run | Factor | Number | Analyst | Lab | or Analyzed |
| Total/NA | Prep | 5030C | | | 25435 | AT | EET ALB | 05/02/25 15:21 |
| Total/NA | Analysis | 8015M/D | | 1 | 25522 | JP | EET ALB | 05/05/25 20:23 |
| Total/NA | Prep | 5030C | | | 25435 | AT | EET ALB | 05/02/25 15:21 |
| Total/NA | Analysis | 8021B | | 1 | 25523 | JP | EET ALB | 05/05/25 20:23 |
| Total/NA | Prep | SHAKE | | | 25466 | EM | EET ALB | 05/05/25 09:07 |
| Total/NA | Analysis | 8015M/D | | 1 | 25465 | MI | EET ALB | 05/05/25 14:44 |
| Total/NA | Prep | 300_Prep | | | 25616 | JT | EET ALB | 05/07/25 06:22 |
| Total/NA | Analysis | 300.0 | | 20 | 25622 | RC | EET ALB | 05/07/25 09:34 |

Client Sample ID: HA02@2' Lab Sample ID: 885-24121-3 Date Collected: 05/01/25 12:13 **Matrix: Solid**

Date Received: 05/02/25 07:10

| | Batch | Batch | | Dilution | Batch | | | Prepared |
|-----------|----------|----------|-----|----------|--------|---------|---------|----------------|
| Prep Type | Туре | Method | Run | Factor | Number | Analyst | Lab | or Analyzed |
| Total/NA | Prep | 5030C | | | 25435 | AT | EET ALB | 05/02/25 15:21 |
| Total/NA | Analysis | 8015M/D | | 1 | 25522 | JP | EET ALB | 05/05/25 21:35 |
| Total/NA | Prep | 5030C | | | 25435 | AT | EET ALB | 05/02/25 15:21 |
| Total/NA | Analysis | 8021B | | 1 | 25523 | JP | EET ALB | 05/05/25 21:35 |
| Total/NA | Prep | SHAKE | | | 25466 | EM | EET ALB | 05/05/25 09:07 |
| Total/NA | Analysis | 8015M/D | | 1 | 25465 | MI | EET ALB | 05/05/25 14:56 |
| Total/NA | Prep | 300_Prep | | | 25616 | JT | EET ALB | 05/07/25 06:22 |
| Total/NA | Analysis | 300.0 | | 20 | 25622 | RC | EET ALB | 05/07/25 10:05 |

Client Sample ID: HA02@5' Lab Sample ID: 885-24121-4

Date Collected: 05/01/25 12:30 Date Received: 05/02/25 07:10

| | Batch | Batch | | Dilution | Batch | | | Prepared |
|-----------|----------|---------|-----|----------|--------|---------|---------|----------------|
| Prep Type | Type | Method | Run | Factor | Number | Analyst | Lab | or Analyzed |
| Total/NA | Prep | 5030C | | | 25435 | AT | EET ALB | 05/02/25 15:21 |
| Total/NA | Analysis | 8015M/D | | 1 | 25522 | .IP | FFT ALB | 05/05/25 21:58 |

Eurofins Albuquerque

Matrix: Solid

Client: Hilcorp Energy
Project/Site: Federal Piones

Project/Site: Federal Pioneer 1E

Client Sample ID: HA02@5'

Date Collected: 05/01/25 12:30 Date Received: 05/02/25 07:10 Lab Sample ID: 885-24121-4

Matrix: Solid

| | Batch | Batch | | Dilution | Batch | | | Prepared |
|-----------|----------|----------|-----|----------|--------|---------|---------|----------------|
| Prep Type | Type | Method | Run | Factor | Number | Analyst | Lab | or Analyzed |
| Total/NA | Prep | 5030C | | | 25435 | AT | EET ALB | 05/02/25 15:21 |
| Total/NA | Analysis | 8021B | | 1 | 25523 | JP | EET ALB | 05/05/25 21:58 |
| Total/NA | Prep | SHAKE | | | 25466 | EM | EET ALB | 05/05/25 09:07 |
| Total/NA | Analysis | 8015M/D | | 1 | 25465 | MI | EET ALB | 05/05/25 15:08 |
| Total/NA | Prep | 300_Prep | | | 25616 | JT | EET ALB | 05/07/25 06:22 |
| Total/NA | Analysis | 300.0 | | 20 | 25622 | RC | EET ALB | 05/07/25 10:16 |

Lab Sample ID: 885-24121-5

Matrix: Solid

Date Collected: 05/01/25 10:59 Date Received: 05/02/25 07:10

Client Sample ID: HA03@2'

Batch Batch Dilution Prepared Batch Prep Type Туре Method Run Factor **Number Analyst** Lab or Analyzed Total/NA Prep 5030C 25435 AT **EET ALB** 05/02/25 15:21 Total/NA 8015M/D 05/05/25 22:22 25522 JP **EET ALB** Analysis 1 Total/NA 5030C **EET ALB** 05/02/25 15:21 Prep 25435 AT Total/NA Analysis 8021B 25523 JP **EET ALB** 05/05/25 22:22 1 Total/NA **EET ALB** 05/05/25 09:07 Prep SHAKE 25466 EM Total/NA Analysis 8015M/D 1 25545 MI **EET ALB** 05/06/25 10:00 Total/NA 300 Prep 25616 JT **EET ALB** 05/07/25 06:22 Prep 05/07/25 10:47 Total/NA Analysis 300.0 20 25622 RC **EET ALB**

Client Sample ID: HA03@4'

Date Collected: 05/01/25 11:13 Date Received: 05/02/25 07:10 Lab Sample ID: 885-24121-6

Matrix: Solid

| | Batch | Batch | | Dilution | Batch | | | Prepared |
|-----------|----------|----------|-----|----------|--------|---------|---------|----------------|
| Prep Type | Туре | Method | Run | Factor | Number | Analyst | Lab | or Analyzed |
| Total/NA | Prep | 5030C | | | 25435 | AT | EET ALB | 05/02/25 15:21 |
| Total/NA | Analysis | 8015M/D | | 1 | 25522 | JP | EET ALB | 05/05/25 22:46 |
| Total/NA | Prep | 5030C | | | 25435 | AT | EET ALB | 05/02/25 15:21 |
| Total/NA | Analysis | 8021B | | 1 | 25523 | JP | EET ALB | 05/05/25 22:46 |
| Total/NA | Prep | SHAKE | | | 25466 | EM | EET ALB | 05/05/25 09:07 |
| Total/NA | Analysis | 8015M/D | | 1 | 25545 | MI | EET ALB | 05/06/25 10:11 |
| Total/NA | Prep | 300_Prep | | | 25616 | JT | EET ALB | 05/07/25 06:22 |
| Total/NA | Analysis | 300.0 | | 20 | 25622 | RC | EET ALB | 05/07/25 10:57 |

Client Sample ID: HA04@3'

Date Collected: 05/01/25 11:37

Date Received: 05/02/25 07:10

Lab Sample ID: 885-24121-7

Matrix: Solid

| | Batch | Batch | | Dilution | Batch | | | Prepared |
|-----------|----------|---------|-----|----------|--------|---------|---------|----------------|
| Prep Type | Туре | Method | Run | Factor | Number | Analyst | Lab | or Analyzed |
| Total/NA | Prep | 5030C | | | 25435 | AT | EET ALB | 05/02/25 15:21 |
| Total/NA | Analysis | 8015M/D | | 1 | 25522 | JP | EET ALB | 05/05/25 23:10 |
| Total/NA | Prep | 5030C | | | 25435 | AT | EET ALB | 05/02/25 15:21 |
| Total/NA | Analysis | 8021B | | 1 | 25523 | JP | EET ALB | 05/05/25 23:10 |

Eurofins Albuquerque

Client: Hilcorp Energy

Project/Site: Federal Pioneer 1E

Lab Sample ID: 885-24121-7

Matrix: Solid

Client Sample ID: HA04@3'

Date Collected: 05/01/25 11:37 Date Received: 05/02/25 07:10

| | Batch | Batch | | Dilution | Batch | | | Prepared |
|-----------|----------|----------|-----|----------|--------|---------|---------|----------------|
| Prep Type | Type | Method | Run | Factor | Number | Analyst | Lab | or Analyzed |
| Total/NA | Prep | SHAKE | | | 25466 | EM | EET ALB | 05/05/25 09:07 |
| Total/NA | Analysis | 8015M/D | | 1 | 25545 | MI | EET ALB | 05/06/25 10:21 |
| Total/NA | Prep | 300_Prep | | | 25616 | JT | EET ALB | 05/07/25 06:22 |
| Total/NA | Analysis | 300.0 | | 20 | 25622 | RC | EET ALB | 05/07/25 11:07 |

Lab Sample ID: 885-24121-8

Matrix: Solid

Date Collected: 05/01/25 11:45 Date Received: 05/02/25 07:10

Client Sample ID: HA04@4'

| | Batch | Batch | | Dilution | Batch | | | Prepared |
|-----------|----------|----------|-----|----------|--------|---------|---------|----------------|
| Prep Type | Туре | Method | Run | Factor | Number | Analyst | Lab | or Analyzed |
| Total/NA | Prep | 5030C | | | 25435 | AT | EET ALB | 05/02/25 15:21 |
| Total/NA | Analysis | 8015M/D | | 1 | 25522 | JP | EET ALB | 05/05/25 23:33 |
| Total/NA | Prep | 5030C | | | 25435 | AT | EET ALB | 05/02/25 15:21 |
| Total/NA | Analysis | 8021B | | 1 | 25523 | JP | EET ALB | 05/05/25 23:33 |
| Total/NA | Prep | SHAKE | | | 25466 | EM | EET ALB | 05/05/25 09:07 |
| Total/NA | Analysis | 8015M/D | | 1 | 25545 | MI | EET ALB | 05/06/25 10:32 |
| Total/NA | Prep | 300_Prep | | | 25616 | JT | EET ALB | 05/07/25 06:22 |
| Total/NA | Analysis | 300.0 | | 20 | 25622 | RC | EET ALB | 05/07/25 11:18 |

Client Sample ID: HA05@4'

Date Collected: 05/01/25 12:53

Date Received: 05/02/25 07:10

Lab Sample ID: 885-24121-9

Matrix: Solid

| | Batch | Batch | | Dilution | Batch | | | Prepared |
|-----------|----------|----------|-----|----------|--------|---------|---------|----------------|
| Prep Type | Туре | Method | Run | Factor | Number | Analyst | Lab | or Analyzed |
| Total/NA | Prep | 5030C | | | 25435 | AT | EET ALB | 05/02/25 15:21 |
| Total/NA | Analysis | 8015M/D | | 1 | 25522 | JP | EET ALB | 05/05/25 23:57 |
| Total/NA | Prep | 5030C | | | 25435 | AT | EET ALB | 05/02/25 15:21 |
| Total/NA | Analysis | 8021B | | 1 | 25523 | JP | EET ALB | 05/05/25 23:57 |
| Total/NA | Prep | SHAKE | | | 25478 | MI | EET ALB | 05/05/25 10:13 |
| Total/NA | Analysis | 8015M/D | | 1 | 25464 | MI | EET ALB | 05/05/25 14:50 |
| Total/NA | Prep | 300_Prep | | | 25616 | JT | EET ALB | 05/07/25 06:22 |
| Total/NA | Analysis | 300.0 | | 20 | 25622 | RC | EET ALB | 05/07/25 11:28 |

Client Sample ID: HA05@5'

Date Collected: 05/01/25 13:00

Date Received: 05/02/25 07:10

Lab Sample ID: 885-24121-10

Matrix: Solid

| | Batch | Batch | | Dilution | Batch | | | Prepared |
|-----------|----------|---------|-----|----------|--------|---------|---------|----------------|
| Prep Type | Туре | Method | Run | Factor | Number | Analyst | Lab | or Analyzed |
| Total/NA | Prep | 5030C | | | 25435 | AT | EET ALB | 05/02/25 15:21 |
| Total/NA | Analysis | 8015M/D | | 1 | 25522 | JP | EET ALB | 05/06/25 00:21 |
| Total/NA | Prep | 5030C | | | 25435 | AT | EET ALB | 05/02/25 15:21 |
| Total/NA | Analysis | 8021B | | 1 | 25523 | JP | EET ALB | 05/06/25 00:21 |
| Total/NA | Prep | SHAKE | | | 25478 | MI | EET ALB | 05/05/25 10:13 |
| Total/NA | Analysis | 8015M/D | | 1 | 25464 | MI | EET ALB | 05/05/25 16:01 |

Eurofins Albuquerque

Lab Chronicle

Client: Hilcorp Energy Job ID: 885-24121-1

Project/Site: Federal Pioneer 1E

Client Sample ID: HA05@5'

Lab Sample ID: 885-24121-10

Date Collected: 05/01/25 13:00 Matrix: Solid

Date Received: 05/02/25 07:10

| | Batch | Batch | | Dilution | Batch | | | Prepared |
|-----------|----------|----------|-----|----------|--------|---------|---------|----------------|
| Prep Type | Туре | Method | Run | Factor | Number | Analyst | Lab | or Analyzed |
| Total/NA | Prep | 300_Prep | | | 25616 | JT | EET ALB | 05/07/25 06:22 |
| Total/NA | Analysis | 300.0 | | 20 | 25622 | RC | EET ALB | 05/07/25 11:38 |

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

2

5

5

6

8

4 4

Accreditation/Certification Summary

Client: Hilcorp Energy Job ID: 885-24121-1

Project/Site: Federal Pioneer 1E

Laboratory: Eurofins Albuquerque

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

| Authority | Progr | am | Identification Number | Expiration Date |
|-----------------|---------------------------------|---------------------------------|--|-------------------------|
| New Mexico | State | | NM9425, NM0901 | 02-27-26 |
| • , | are included in this report, bu | ut the laboratory is not certif | ied by the governing authority. This lie | st may include analytes |
| Analysis Method | Prep Method | Matrix | Analyte | |
| 300.0 | 300_Prep | Solid | Chloride | |
| 8015M/D | 5030C | Solid | Gasoline Range Organics | [C6 - C10] |
| 8015M/D | SHAKE | Solid | Diesel Range Organics [C | 10-C28] |
| 8015M/D | SHAKE | Solid | Motor Oil Range Organics | [C28-C40] |
| 8021B | 5030C | Solid | Benzene | |
| 8021B | 5030C | Solid | Ethylbenzene | |
| 8021B | 5030C | Solid | Toluene | |
| 8021B | 5030C | Solid | Xylenes, Total | |
|)regon | NELA | P | NM100001 | 02-26-26 |

Eurofins Albuquerque

9

3

4

6

Ω

9

10

4 -

| 4901 Hawkins NE Albuquerque, NM 87109 Phone (505) 345-3975 | Chain of Cust | of Custody Record | | Seurofins | ceived |
|--|----------------------------------|--|--|---|--------|
| Client Information Hilcorp Propay (0 | Sampler: TROCV Dembe Ou 15 Ki | Lab PM: | Carrier Tracking No(s): | COC No: | by C |
| | Phone: | E-Mail: + demboraskie ensommen | State of Origin: | Page: 1 of | JCL |
| Company Hi LCORD EARRAL COMPANY | DISMA | | quested | Job #: | : 7/2 |
| Address: | Due Date Requested: | | | lö | 29/2 |
| Ġły: | TAT Requested (days): | MBG | | A - HCL N- None B - NaOH O - ASNAO2 C - Zn Acetate | 025 |
| State, Zip: | llance Project: A Yes A | T | | | 4:26 |
| Phone (713) 757-5247 | #0A | | | G - Amchlor T - TSP Dodecahydrate | 5:05 |
| Email mkill agh @ hilcorp.com | WO#; | (ON | | I - Ice J - DI Water | PM |
| Project Name: Federal Pioneer 1E | Project #: | O 5 | | | |
| | SSOW#: | SD (N | | Other: | |
| Sample Identification | Sample Date Time G=qrab) er | Matrix (Wwwater, Saralle, Sara | Jodanil Isto | Notes Number of States of | |
| | Preserva | X | | | |
| H40101' | 5/1/25 1030 | × × | | | |
| HA01051 | 101 | | | | |
| HAD2 P 2' | 1213 | | | | |
| HAOZĚ 5' | 1230 | | | | |
| HA 03@ 2' | (02) | | | | |
| | 1113 | | 1 | | |
| HA04 @ 3 | 1137 | | | | |
| HAOHOH | 1145 | | | | |
| HADSCH | 1253 | | | | |
| H405C5' | 1300 | → → | | | |
| Possible Hazard Identification | | Janes College | | | |
| ant | Polson B Juknown Radiological | Sample Disposal (A ree may be assessed it samples are retained longer than 1 month) Return To Client | assessed if samples are retain Disposal By Lab | tained longer than 1 month) Archive For | |
| I, III, IV, Other | | Requireme | CC: TRacy Demokrow | +dembRowski | |
| Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: | | |
| Relinquished by: | 25 11512 | Ensolum Received by Commany | Date Tithe: 72 V | 1512 Company Low Childs | |
| Reinquished by: | 51/25 (130 E | | Coverage ST2/25 | Company Company | Pag |
| Custody Seals Intact: Custody Seal No.: | | Cooler Jemperature(s). C and Other Remarks. | | | e 47 |
| Δ Yes Δ No | | 4.476.254.6 | 0 | Cholico Company | of |
| | Ø | 11 | 7 8 9 | 1 6107/91/13 4 5 | 85 |

Eurofins Albuquerque

Login Sample Receipt Checklist

Client: Hilcorp Energy Job Number: 885-24121-1

Login Number: 24121 List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

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

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mitch Killough Hilcorp Energy PO BOX 4700 Farmington, New Mexico 87499

Generated 6/26/2025 4:53:22 PM

JOB DESCRIPTION

Federal 1E

JOB NUMBER

885-27435-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated 6/26/2025 4:53:22 PM

Authorized for release by Michelle Garcia, Project Manager michelle.garcia@et.eurofinsus.com (505)345-3975

6/26/2025

Laboratory Job ID: 885-27435-1

Client: Hilcorp Energy Project/Site: Federal 1E

Table of Contents

| Cover Page | 1 |
|------------------------|----|
| Table of Contents | 3 |
| Definitions/Glossary | |
| Case Narrative | 5 |
| Client Sample Results | 6 |
| QC Sample Results | 9 |
| QC Association Summary | 11 |
| Lab Chronicle | 13 |
| Certification Summary | 14 |
| Chain of Custody | 15 |
| Receipt Checklists | 16 |

3

4

6

8

9

10

Definitions/Glossary

Client: Hilcorp Energy Job ID: 885-27435-1

Project/Site: Federal 1E

Glossary

MCL

MDA

MDC

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| \\ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |

Minimum Detectable Concentration (Radiochemistry) MDL Method Detection Limit MLMinimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

Not Detected at the reporting limit (or MDL or EDL if shown) ND

EPA recommended "Maximum Contaminant Level"

Minimum Detectable Activity (Radiochemistry)

NEG Negative / Absent POS Positive / Present PQL Practical Quantitation Limit

PRES Presumptive Quality Control QC

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: Hilcorp Energy Job ID: 885-27435-1 Project: Federal 1E

Job ID: 885-27435-1 **Eurofins Albuquerque**

> Job Narrative 885-27435-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 6/25/2025 6:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.3°C.

Gasoline Range Organics

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

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

Diesel Range Organics

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

HPLC/IC

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

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy

Job ID: 885-27435-1

Project/Site: Federal 1E

Client Sample ID: SS01 Lab Sample ID: 885-27435-1 Date Collected: 06/24/25 09:30

Date Received: 06/25/25 06:40

| • | Camp | IC ID. | 000 | | -00-1 | |
|---|------|--------|-----|-------|-------|--|
| | | | Ma | triv. | Solid | |

| Method: SW846 8015M/D - Gasoli | ine Range Org | anics (GRC |)) (GC) | | | | | |
|--|---------------------|------------|-----------------|---------------|------------|--------------------------------|-------------------------|---------|
| Analyte Gasoline Range Organics [C6 - C10] | - Result ND | Qualifier | RL 3.4 | Unit mg/Kg | _ <u>D</u> | Prepared 06/25/25 09:37 | Analyzed 06/25/25 15:30 | Dil Fac |
| Surrogate 4-Bromofluorobenzene (Surr) | %Recovery 98 | Qualifier | Limits 15 - 150 | | | Prepared 06/25/25 09:37 | Analyzed 06/25/25 15:30 | Dil Fac |

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|------------|----------------|----------------|---------|
| Benzene | ND | | 0.017 | mg/Kg | — <u> </u> | 06/25/25 09:37 | 06/25/25 15:30 | |
| Ethylbenzene | ND | | 0.034 | mg/Kg | | 06/25/25 09:37 | 06/25/25 15:30 | 1 |
| Toluene | ND | | 0.034 | mg/Kg | | 06/25/25 09:37 | 06/25/25 15:30 | 1 |
| Xylenes, Total | ND | | 0.068 | mg/Kg | | 06/25/25 09:37 | 06/25/25 15:30 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 95 | | 15 - 150 | | | 06/25/25 09:37 | 06/25/25 15:30 | 7 |

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28] | ND | | 9.5 | mg/Kg | | 06/25/25 09:49 | 06/26/25 13:56 | 1 |
| Motor Oil Range Organics [C28-C40] | ND | | 47 | mg/Kg | | 06/25/25 09:49 | 06/26/25 13:56 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| Di-n-octyl phthalate (Surr) | 113 | | 62 - 134 | | | 06/25/25 09:49 | 06/26/25 13:56 | 1 |

| Method: EPA 300.0 - Anions, Ion C | hromatography | | | | | | |
|-----------------------------------|------------------|----|-------|---|----------------|----------------|---------|
| Analyte | Result Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | ND | 60 | mg/Kg | | 06/25/25 10:32 | 06/25/25 14:53 | 20 |

Client Sample Results

Client: Hilcorp Energy Project/Site: Federal 1E Job ID: 885-27435-1

Client Sample ID: SS01 @2'

Lab Sample ID: 885-27435-2

Matrix: Solid

Date Collected: 06/24/25 09:40 Date Received: 06/25/25 06:40

Released to Imaging: 10/9/2025 4:23:32 PM

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics [C6 - C10] | ND | | 3.3 | mg/Kg | | 06/25/25 09:37 | 06/25/25 16:17 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 97 | | 15 - 150 | | | 06/25/25 09:37 | 06/25/25 16:17 | 1 |

| Analyte | Result (| Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-------------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene | ND | | 0.016 | mg/Kg | | 06/25/25 09:37 | 06/25/25 16:17 | 1 |
| Ethylbenzene | ND | | 0.033 | mg/Kg | | 06/25/25 09:37 | 06/25/25 16:17 | 1 |
| Toluene | ND | | 0.033 | mg/Kg | | 06/25/25 09:37 | 06/25/25 16:17 | 1 |
| Xylenes, Total | ND | | 0.065 | mg/Kg | | 06/25/25 09:37 | 06/25/25 16:17 | 1 |
| Surrogate | %Recovery (| Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 93 | | 15 - 150 | | | 06/25/25 09:37 | 06/25/25 16:17 | 1 |

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28] | ND | | 9.7 | mg/Kg | | 06/25/25 09:49 | 06/26/25 14:07 | 1 |
| Motor Oil Range Organics [C28-C40] | ND | | 49 | mg/Kg | | 06/25/25 09:49 | 06/26/25 14:07 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| Di-n-octyl phthalate (Surr) | 111 | | 62 - 134 | | | 06/25/25 09:49 | 06/26/25 14:07 | 1 |

| Method: EPA 300.0 - Anions, ion Ci | nromatograpny | | | | | | |
|------------------------------------|---------------|-----------|-------|---|----------------|----------------|---------|
| Analyte | Result Qua | lifier RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | ND | 60 | mg/Kg | | 06/25/25 10:32 | 06/25/25 15:24 | 20 |

Client Sample Results

Client: Hilcorp Energy

Job ID: 885-27435-1

Project/Site: Federal 1E

Lab Sample ID: 885-27435-3

Matrix: Solid

Client Sample ID: CS01
Date Collected: 06/24/25 09:50

Date Received: 06/25/25 06:40

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|---------------|-------------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics [C6 - C10] | ND | | 3.5 | mg/Kg | | 06/25/25 09:37 | 06/25/25 16:41 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 96 | | 15 - 150 | | | 06/25/25 09:37 | 06/25/25 16:41 | 1 |
| Method: SW846 8021B - Volatile | Organic Comp | ounds (GC) |) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | ND | | 0.017 | mg/Kg | | 06/25/25 09:37 | 06/25/25 16:41 | 1 |
| Ethylbenzene | ND | | 0.035 | mg/Kg | | 06/25/25 09:37 | 06/25/25 16:41 | 1 |
| Toluene | ND | | 0.035 | mg/Kg | | 06/25/25 09:37 | 06/25/25 16:41 | 1 |
| Xylenes, Total | ND | | 0.070 | mg/Kg | | 06/25/25 09:37 | 06/25/25 16:41 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 93 | | 15 - 150 | | | 06/25/25 09:37 | 06/25/25 16:41 | 1 |
| Method: SW846 8015M/D - Diese | l Range Organ | ics (DRO) (| GC) | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Diesel Range Organics [C10-C28] | ND | | 9.1 | mg/Kg | | 06/25/25 09:49 | 06/26/25 14:18 | 1 |
| Motor Oil Range Organics [C28-C40] | ND | | 46 | mg/Kg | | 06/25/25 09:49 | 06/26/25 14:18 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| Di-n-octyl phthalate (Surr) | 115 | | 62 - 134 | | | 06/25/25 09:49 | 06/26/25 14:18 | 1 |
| Method: EPA 300.0 - Anions, Ion | Chromatograp | hy | | | | | | |
| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | ND | - | 60 | mg/Kg | | 06/25/25 10:32 | 06/25/25 15:35 | 20 |

2

4

5

8

46

11

Client: Hilcorp Energy Project/Site: Federal 1E Job ID: 885-27435-1

Lab Sample ID: MB 885-28960/1-A **Matrix: Solid**

Analysis Batch: 29009

Gasoline Range Organics [C6 - C10]

Client Sample ID: Method Blank

mg/Kg

Prep Type: Total/NA Prep Batch: 28960

06/25/25 11:10

Result Qualifier RL Unit Prepared Analyzed Dil Fac

06/25/25 09:37

MB MB

ND

MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 94 15 - 150 06/25/25 09:37 06/25/25 11:10

5.0

Lab Sample ID: LCS 885-28960/2-A Client Sample ID: Lab Control Sample

Matrix: Solid

Analysis Batch: 29009

Spike LCS LCS

Prep Type: Total/NA

Prep Batch: 28960

%Rec Analyte Added Result Qualifier Unit D %Rec Limits 25.0 23.9 96 70 - 130 Gasoline Range Organics [C6 mg/Kg

C10]

Analyte

LCS LCS

Surrogate %Recovery Qualifier Limits 15 - 150 4-Bromofluorobenzene (Surr) 187

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-28960/1-A Client Sample ID: Method Blank

Matrix: Solid Analysis Batch: 29008

Prep Type: Total/NA Prep Batch: 28960 MB MB

| | Analyte | Result | Qualifier F | RL Ur | nit D | Prepared | Analyzed | Dil Fac |
|---|----------------|--------|-------------|-------|-------|----------------|----------------|---------|
| | Benzene | ND | 0.02 | 25 m | g/Kg | 06/25/25 09:37 | 06/25/25 11:10 | 1 |
| | Ethylbenzene | ND | 0.0 | 50 m | g/Kg | 06/25/25 09:37 | 06/25/25 11:10 | 1 |
| | Toluene | ND | 0.0 | 50 m | g/Kg | 06/25/25 09:37 | 06/25/25 11:10 | 1 |
| | Xylenes, Total | ND | 0. | l0 m | g/Kg | 06/25/25 09:37 | 06/25/25 11:10 | 1 |
| ı | | | | | | | | |

%Recovery Qualifier Limits Surrogate

MB MB

Dil Fac Prepared Analyzed 15 - 150 06/25/25 09:37 06/25/25 11:10 4-Bromofluorobenzene (Surr) 92

Lab Sample ID: LCS 885-28960/3-A Client Sample ID: Lab Control Sample

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 29008** Prep Batch: 28960 Snike

| | Бріке | LCS | LUS | | | | %Rec | |
|----------------|--------------|--------|-----------|-------|---|------|----------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Benzene | 1.00 | 0.905 | | mg/Kg | | 91 | 70 - 130 | |
| Ethylbenzene | 1.00 | 0.917 | | mg/Kg | | 92 | 70 - 130 | |
| m&p-Xylene | 2.00 | 1.94 | | mg/Kg | | 97 | 70 - 130 | |
| o-Xylene | 1.00 | 0.931 | | mg/Kg | | 93 | 70 - 130 | |
| Toluene | 1.00 | 0.911 | | mg/Kg | | 91 | 70 - 130 | |
| Xylenes, Total | 3.00 | 2.87 | | mg/Kg | | 96 | 70 - 130 | |
| | | | | | | | | |

LCS LCS

%Recovery Qualifier Limits Surrogate 15 - 150 4-Bromofluorobenzene (Surr) 93

Eurofins Albuquerque

Client: Hilcorp Energy

Job ID: 885-27435-1

Project/Site: Federal 1E

QC Sample Results

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-28971/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 28976** Prep Batch: 28971

MB MB Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac

Chloride ND 1.5 mg/Kg 06/25/25 10:32 06/25/25 12:05

Lab Sample ID: LCS 885-28971/2-A Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 28976** Prep Batch: 28971

Spike LCS LCS Added Analyte Result Qualifier Unit D %Rec Limits Chloride 15.0 14.5 mg/Kg 97 90 - 110

Lab Sample ID: 885-27435-1 MS **Client Sample ID: SS01 Matrix: Solid** Prep Type: Total/NA Analysis Batch: 28976 Prep Batch: 28971

MS MS Sample Sample Spike %Rec

Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride ND 29.9 ND mg/Kg NC 50 - 150

Lab Sample ID: 885-27435-1 MSD **Client Sample ID: SS01 Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 28976 Prep Batch: 28971 Spike MSD MSD RPD Sample Sample %Rec

Analyte Result Qualifier Added Qualifier Unit %Rec Limit Result Limits RPD Chloride ND 30.2 ND NC 50 - 150 NC 20 mg/Kg

Lab Sample ID: 885-27435-3 MS Client Sample ID: CS01 **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 28976 Prep Batch: 28971

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits

Spike

Chloride ND 29.8 ND mg/Kg NC 50 - 150

Lab Sample ID: 885-27435-3 MSD **Client Sample ID: CS01 Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 28976** Prep Batch: 28971

Sample Sample Result Qualifier Added Result RPD Limit Analyte Qualifier Unit D %Rec Limits Chloride ND 29.9 ND mg/Kg NC 50 - 150 NC 20

MSD MSD

RPD

Client: Hilcorp Energy Project/Site: Federal 1E Job ID: 885-27435-1

GC VOA

Prep Batch: 28960

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-27435-1 | SS01 | Total/NA | Solid | 5035 | |
| 885-27435-2 | SS01 @2' | Total/NA | Solid | 5035 | |
| 885-27435-3 | CS01 | Total/NA | Solid | 5035 | |
| MB 885-28960/1-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 885-28960/2-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCS 885-28960/3-A | Lab Control Sample | Total/NA | Solid | 5035 | |

Analysis Batch: 29008

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-27435-1 | SS01 | Total/NA | Solid | 8021B | 28960 |
| 885-27435-2 | SS01 @2' | Total/NA | Solid | 8021B | 28960 |
| 885-27435-3 | CS01 | Total/NA | Solid | 8021B | 28960 |
| MB 885-28960/1-A | Method Blank | Total/NA | Solid | 8021B | 28960 |
| LCS 885-28960/3-A | Lab Control Sample | Total/NA | Solid | 8021B | 28960 |

Analysis Batch: 29009

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|---------|------------|
| 885-27435-1 | SS01 | Total/NA | Solid | 8015M/D | 28960 |
| 885-27435-2 | SS01 @2' | Total/NA | Solid | 8015M/D | 28960 |
| 885-27435-3 | CS01 | Total/NA | Solid | 8015M/D | 28960 |
| MB 885-28960/1-A | Method Blank | Total/NA | Solid | 8015M/D | 28960 |
| LCS 885-28960/2-A | Lab Control Sample | Total/NA | Solid | 8015M/D | 28960 |

GC Semi VOA

Prep Batch: 28964

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 885-27435-1 | SS01 | Total/NA | Solid | SHAKE | |
| 885-27435-2 | SS01 @2' | Total/NA | Solid | SHAKE | |
| 885-27435-3 | CS01 | Total/NA | Solid | SHAKE | |

Analysis Batch: 29056

| Lab Sample ID 885-27435-1 | Client Sample ID SS01 | Prep Type Total/NA | Matrix Solid | Method 8015M/D | Prep Batch 28964 |
|---------------------------|--------------------------|--------------------|-----------------|-------------------|---------------------|
| 885-27435-2 | SS01 @2' | Total/NA | Solid | 8015M/D | 28964 |
| 885-27435-3 | CS01 | Total/NA | Solid | 8015M/D | 28964 |

HPLC/IC

Prep Batch: 28971

Released to Imaging: 10/9/2025 4:23:32 PM

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|----------|------------|
| 885-27435-1 | SS01 | Total/NA | Solid | 300_Prep | |
| 885-27435-2 | SS01 @2' | Total/NA | Solid | 300_Prep | |
| 885-27435-3 | CS01 | Total/NA | Solid | 300_Prep | |
| MB 885-28971/1-A | Method Blank | Total/NA | Solid | 300_Prep | |
| LCS 885-28971/2-A | Lab Control Sample | Total/NA | Solid | 300_Prep | |
| 885-27435-1 MS | SS01 | Total/NA | Solid | 300_Prep | |
| 885-27435-1 MSD | SS01 | Total/NA | Solid | 300_Prep | |
| 885-27435-3 MS | CS01 | Total/NA | Solid | 300_Prep | |
| 885-27435-3 MSD | CS01 | Total/NA | Solid | 300_Prep | |

Eurofins Albuquerque

A

5

0

8

11

Client: Hilcorp Energy Job ID: 885-27435-1

Project/Site: Federal 1E

HPLC/IC

Analysis Batch: 28976

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-27435-1 | SS01 | Total/NA | Solid | 300.0 | 28971 |
| 885-27435-2 | SS01 @2' | Total/NA | Solid | 300.0 | 28971 |
| 885-27435-3 | CS01 | Total/NA | Solid | 300.0 | 28971 |
| MB 885-28971/1-A | Method Blank | Total/NA | Solid | 300.0 | 28971 |
| LCS 885-28971/2-A | Lab Control Sample | Total/NA | Solid | 300.0 | 28971 |
| 885-27435-1 MS | SS01 | Total/NA | Solid | 300.0 | 28971 |
| 885-27435-1 MSD | SS01 | Total/NA | Solid | 300.0 | 28971 |
| 885-27435-3 MS | CS01 | Total/NA | Solid | 300.0 | 28971 |
| 885-27435-3 MSD | CS01 | Total/NA | Solid | 300.0 | 28971 |

Client: Hilcorp Energy Project/Site: Federal 1E

Lab Sample ID: 885-27435-1

Matrix: Solid

Client Sample ID: SS01 Date Collected: 06/24/25 09:30 Date Received: 06/25/25 06:40

| | Batch | Batch | | Dilution | Batch | | | Prepared |
|-----------|----------|----------|-----|----------|--------|---------|---------|----------------|
| Prep Type | Type | Method | Run | Factor | Number | Analyst | Lab | or Analyzed |
| Total/NA | Prep | 5035 | | | 28960 | JP | EET ALB | 06/25/25 09:37 |
| Total/NA | Analysis | 8015M/D | | 1 | 29009 | JP | EET ALB | 06/25/25 15:30 |
| Total/NA | Prep | 5035 | | | 28960 | JP | EET ALB | 06/25/25 09:37 |
| Total/NA | Analysis | 8021B | | 1 | 29008 | JP | EET ALB | 06/25/25 15:30 |
| Total/NA | Prep | SHAKE | | | 28964 | EM | EET ALB | 06/25/25 09:49 |
| Total/NA | Analysis | 8015M/D | | 1 | 29056 | EM | EET ALB | 06/26/25 13:56 |
| Total/NA | Prep | 300_Prep | | | 28971 | RC | EET ALB | 06/25/25 10:32 |
| Total/NA | Analysis | 300.0 | | 20 | 28976 | RC | EET ALB | 06/25/25 14:53 |

Client Sample ID: SS01 @2' Lab Sample ID: 885-27435-2

Date Collected: 06/24/25 09:40 **Matrix: Solid**

Date Received: 06/25/25 06:40

| | Batch | Batch | | Dilution | Batch | | | Prepared |
|-----------|----------|----------|-----|----------|--------|---------|---------|----------------|
| Prep Type | Type | Method | Run | Factor | Number | Analyst | Lab | or Analyzed |
| Total/NA | Prep | 5035 | | | 28960 | JP | EET ALB | 06/25/25 09:37 |
| Total/NA | Analysis | 8015M/D | | 1 | 29009 | JP | EET ALB | 06/25/25 16:17 |
| Total/NA | Prep | 5035 | | | 28960 | JP | EET ALB | 06/25/25 09:37 |
| Total/NA | Analysis | 8021B | | 1 | 29008 | JP | EET ALB | 06/25/25 16:17 |
| Total/NA | Prep | SHAKE | | | 28964 | EM | EET ALB | 06/25/25 09:49 |
| Total/NA | Analysis | 8015M/D | | 1 | 29056 | EM | EET ALB | 06/26/25 14:07 |
| Total/NA | Prep | 300_Prep | | | 28971 | RC | EET ALB | 06/25/25 10:32 |
| Total/NA | Analysis | 300.0 | | 20 | 28976 | RC | EET ALB | 06/25/25 15:24 |

Client Sample ID: CS01 Lab Sample ID: 885-27435-3

Date Collected: 06/24/25 09:50 Date Received: 06/25/25 06:40

| _ | Batch | Batch | | Dilution | Batch | | | Prepared |
|-----------|----------|----------|-----|----------|--------|---------|---------|----------------|
| Prep Type | Туре | Method | Run | Factor | Number | Analyst | Lab | or Analyzed |
| Total/NA | Prep | 5035 | | | 28960 | JP | EET ALB | 06/25/25 09:37 |
| Total/NA | Analysis | 8015M/D | | 1 | 29009 | JP | EET ALB | 06/25/25 16:41 |
| Total/NA | Prep | 5035 | | | 28960 | JP | EET ALB | 06/25/25 09:37 |
| Total/NA | Analysis | 8021B | | 1 | 29008 | JP | EET ALB | 06/25/25 16:41 |
| Total/NA | Prep | SHAKE | | | 28964 | EM | EET ALB | 06/25/25 09:49 |
| Total/NA | Analysis | 8015M/D | | 1 | 29056 | EM | EET ALB | 06/26/25 14:18 |
| Total/NA | Prep | 300_Prep | | | 28971 | RC | EET ALB | 06/25/25 10:32 |
| Total/NA | Analysis | 300.0 | | 20 | 28976 | RC | EET ALB | 06/25/25 15:35 |

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Matrix: Solid

Accreditation/Certification Summary

Client: Hilcorp Energy Job ID: 885-27435-1

Project/Site: Federal 1E

Laboratory: Eurofins Albuquerque

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

| Authority | Prog | ram | Identification Number | Expiration Date | |
|-----------------|---|----------------------------------|--|------------------------|--|
| lew Mexico | State | • | NM9425, NM0901 | 02-27-26 | |
| • • | are included in this report, bes not offer certification. | out the laboratory is not certif | ied by the governing authority. This lis | t may include analytes | |
| Analysis Method | Prep Method | Matrix | Analyte | | |
| 300.0 | 300_Prep | Solid | Chloride | | |
| 8015M/D | 5035 | Solid | Gasoline Range Organics [C6 - C10] | | |
| 8015M/D | SHAKE | Solid | Diesel Range Organics [C10-C28] | | |
| 8015M/D | SHAKE | Solid | Motor Oil Range Organics | [C28-C40] | |
| 8021B | 5035 | Solid | Benzene | | |
| 8021B | 5035 | Solid | Ethylbenzene | | |
| 8021B | 5035 | Solid | Toluene | | |
| 8021B | 5035 | Solid | Xylenes, Total | | |
| Dregon | NELA | AΡ | NM100001 | 02-26-26 | |

2

3

_

8

9

10

Login Sample Receipt Checklist

Client: Hilcorp Energy Job Number: 885-27435-1

Login Number: 27435 List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

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

Page 16 of 16

6/26/2025

Report to:
Mitch Killough



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Hilcorp Energy Co

Project Name: Federal 1 E

Work Order: E507038

Job Number: 17051-0002

Received: 7/3/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 7/8/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 7/8/25

Mitch Killough PO Box 61529 Houston, TX 77208

Project Name: Federal 1 E Workorder: E507038

Date Received: 7/3/2025 1:55:00PM

Mitch Killough,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/3/2025 1:55:00PM, under the Project Name: Federal 1 E.

The analytical test results summarized in this report with the Project Name: Federal 1 E apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

Laboratory Technical Representative Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com



Table of Contents

| Title Page | 1 |
|---|----|
| Cover Page | 2 |
| Table of Contents | 3 |
| Sample Summary | 4 |
| Sample Data | 5 |
| CS01 | 5 |
| CS02 | 6 |
| QC Summary Data | 7 |
| QC - Volatile Organics by EPA 8021B | 7 |
| QC - Nonhalogenated Organics by EPA 8015D - GRO | 8 |
| QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO | 9 |
| QC - Anions by EPA 300.0/9056A | 10 |
| Definitions and Notes | 11 |
| Chain of Custody etc. | 12 |

Sample Summary

| Hilcorp Energy Co | Project Name: | Federal 1 E | Donouted. |
|-------------------|------------------|----------------|----------------|
| PO Box 61529 | Project Number: | 17051-0002 | Reported: |
| Houston TX, 77208 | Project Manager: | Mitch Killough | 07/08/25 14:25 |

| Client Sample ID | Lab Sample ID Matrix | Sampled | Received | Container |
|------------------|----------------------|----------|----------|------------------|
| CS01 | E507038-01A Soil | 07/03/25 | 07/03/25 | Glass Jar, 4 oz. |
| CS02 | E507038-02A Soil | 07/03/25 | 07/03/25 | Glass Jar, 4 oz. |



Sample Data

| Hilcorp Energy Co | Project Name: | Federal 1 E | |
|-------------------|------------------|----------------|--------------------|
| PO Box 61529 | Project Number: | 17051-0002 | Reported: |
| Houston TX, 77208 | Project Manager: | Mitch Killough | 7/8/2025 2:25:08PM |

CS01 E507038-01

| | | E507038-01 | | | | |
|--|-------------|-------------|----------|-------------|----------|----------------|
| | Reporting | | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg mg/kg | | Analyst: BA | | Batch: 2527119 |
| Benzene | ND | 0.0250 | 1 | 07/03/25 | 07/07/25 | |
| Ethylbenzene | ND | 0.0250 | 1 | 07/03/25 | 07/07/25 | |
| Toluene | ND | 0.0250 | 1 | 07/03/25 | 07/07/25 | |
| o-Xylene | ND | 0.0250 | 1 | 07/03/25 | 07/07/25 | |
| p,m-Xylene | ND | 0.0500 | 1 | 07/03/25 | 07/07/25 | |
| Total Xylenes | ND | 0.0250 | 1 | 07/03/25 | 07/07/25 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 85.6 % | 70-130 | 07/03/25 | 07/07/25 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Ana | Analyst: BA | | Batch: 2527119 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 07/03/25 | 07/07/25 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 96.0 % | 70-130 | 07/03/25 | 07/07/25 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg mg/kg | | Ana | Analyst: NV | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 07/07/25 | 07/08/25 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 07/07/25 | 07/08/25 | |
| Surrogate: n-Nonane | | 92.7 % | 61-141 | 07/07/25 | 07/08/25 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Ana | ılyst: JM | | Batch: 2527122 |
| Chloride | ND | 20.0 | 1 | 07/03/25 | 07/07/25 | |



Sample Data

| Hilcorp Energy Co | Project Name: | Federal 1 E | |
|-------------------|------------------|----------------|--------------------|
| PO Box 61529 | Project Number: | 17051-0002 | Reported: |
| Houston TX, 77208 | Project Manager: | Mitch Killough | 7/8/2025 2:25:08PM |

CS02

E507038-02

| | | Reporting | | | | |
|--|--------|------------|-------------------|-------------|----------|----------------|
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Ana | Analyst: BA | | Batch: 2527119 |
| Benzene | ND | 0.0250 | 1 | 07/03/25 | 07/07/25 | |
| Ethylbenzene | ND | 0.0250 | 1 | 07/03/25 | 07/07/25 | |
| Toluene | ND | 0.0250 | 1 | 07/03/25 | 07/07/25 | |
| o-Xylene | ND | 0.0250 | 1 | 07/03/25 | 07/07/25 | |
| p,m-Xylene | ND | 0.0500 | 1 | 07/03/25 | 07/07/25 | |
| Total Xylenes | ND | 0.0250 | 1 | 07/03/25 | 07/07/25 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 88.0 % | 70-130 | 07/03/25 | 07/07/25 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: BA | | | Batch: 2527119 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 07/03/25 | 07/07/25 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 95.7 % | 70-130 | 07/03/25 | 07/07/25 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | mg/kg Analyst: NV | | | Batch: 2528006 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 07/07/25 | 07/08/25 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 07/07/25 | 07/08/25 | |
| Surrogate: n-Nonane | | 90.1 % | 61-141 | 07/07/25 | 07/08/25 | |
| Anions by EPA 300.0/9056A | mg/kg | g/kg mg/kg | | Analyst: JM | | Batch: 2527122 |
| Chloride | ND | 20.0 | 1 | 07/03/25 | 07/07/25 | |



QC Summary Data

Federal 1 E Hilcorp Energy Co Project Name: Reported: PO Box 61529 Project Number: 17051-0002 Houston TX, 77208 Project Manager: Mitch Killough 7/8/2025 2:25:08PM **Volatile Organics by EPA 8021B** Analyst: BA Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2527119-BLK1) Prepared: 07/03/25 Analyzed: 07/07/25 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 6.85 8.00 85.7 70-130 LCS (2527119-BS1) Prepared: 07/03/25 Analyzed: 07/07/25 5.43 5.00 109 70-130 Benzene 0.0250 Ethylbenzene 5.35 0.0250 5.00 107 70-130 5.42 0.0250 5.00 108 70-130 Toluene 5.29 o-Xylene 0.0250 5.00 106 70-130 10.8 10.0 108 70-130 0.0500 p.m-Xvlene 107 70-130 16.1 15.0 Total Xylenes 0.0250 8.00 87.2 70-130 Surrogate: 4-Bromochlorobenzene-PID 6.98 Matrix Spike (2527119-MS1) Source: E507019-05 Prepared: 07/03/25 Analyzed: 07/07/25 4.69 0.0250 5.00 ND 93.9 70-130 Benzene ND 92.0 70-130 Ethylbenzene 4.60 0.0250 5.00 Toluene 4.66 0.0250 5.00 ND 93.3 70-130 4.62 ND 92.3 70-130 5.00 0.0250 o-Xylene p,m-Xylene 9.34 0.0500 10.0 ND 93.4 70-130 0.0250 15.0 ND 70-130 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 6.93 8.00 Matrix Spike Dup (2527119-MSD1) Source: E507019-05 Prepared: 07/03/25 Analyzed: 07/07/25 4.45 0.0250 5.00 ND 89.0 70-130 5.37 27 ND 70-130 5.40 4.36 0.0250 5.00 87.2 26 Ethylbenzene Toluene 4 43 0.0250 5.00 ND 88.5 70-130 5 23 20

5.00

10.0

15.0

8.00

0.0250

0.0500

0.0250

ND

ND

ND

88.0

88.6

88.4

87.0

70-130

70-130

70-130

70-130

4.79

5.33

5.15

25

23

26



o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

4.40

8.86

13.3

6.96

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

| Hilcorp Energy Co | Project Name: | Federal 1 E | Reported: |
|-------------------|------------------|----------------|--------------------|
| PO Box 61529 | Project Number: | 17051-0002 | • |
| Houston TX, 77208 | Project Manager: | Mitch Killough | 7/8/2025 2:25:08PM |

| | Project Manager: | | itch Killough | | | | | 7/8/2025 2:25:08PM |
|-----------------|--|--|---|------------------------------------|--|---|---|--|
| No | nhalogenated (| Organics | by EPA 801 | 5D - G | RO | | | Analyst: BA |
| Result mg/kg | Reporting Limit mg/kg | Spike Level mg/kg | Source Result mg/kg | Rec % | Rec Limits | RPD % | RPD Limit % | Notes |
| | | | | | | Prepared: 0 | 7/03/25 Ar | nalyzed: 07/07/25 |
| ND | 20.0 | | | | | | | |
| 7.35 | | 8.00 | | 91.9 | 70-130 | | | |
| | | | | | | Prepared: 0 | 7/03/25 Ar | nalyzed: 07/07/25 |
| 49.5 | 20.0 | 50.0 | | 98.9 | 70-130 | | | |
| 7.77 | | 8.00 | | 97.1 | 70-130 | | | |
| | | | Source: I | E507019- | 05 | Prepared: 0 | 7/03/25 Ar | nalyzed: 07/07/25 |
| 45.6 | 20.0 | 50.0 | ND | 91.1 | 70-130 | | | |
| 7.88 | | 8.00 | | 98.5 | 70-130 | | | |
| | | | Source: I | E507019- | 05 | Prepared: 0 | 7/03/25 Ar | nalyzed: 07/07/25 |
| 45.2 | 20.0 | 50.0 | ND | 90.4 | 70-130 | 0.847 | 20 | |
| | Result mg/kg ND 7.35 49.5 7.77 45.6 7.88 | Nonhalogenated (Result Reporting Limit mg/kg ND 20.0 7.35 49.5 20.0 7.77 45.6 20.0 7.88 | Nonhalogenated Organics Nonhalogenated Organics | Nonhalogenated Organics by EPA 801 | Nonhalogenated Organics by EPA 8015D - GR Nonhalogenated Organics by Nonhaloge | Project Manager: Mitch Killough Nonhalogenated Organics by EPA 8015D - GRO Result Result Imit mg/kg Spike Level Result Result mg/kg Source Result mg/kg Rec Limits mg/kg ND 20.0 91.9 70-130 49.5 20.0 50.0 98.9 70-130 7.77 8.00 97.1 70-130 45.6 20.0 50.0 ND 91.1 70-130 7.88 8.00 98.5 70-130 Source: E507019-05 Source: E507019-05 | Nonhalogenated Organics by EPA 8015D - GRO Result Rec Limits RPD mg/kg mg/kg mg/kg mg/kg % % % % % % % % % | Nonhalogenated Organics by EPA 8015D - GRO Result Reporting Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg % % % % % % % % % % % % % % % % % % |

8.00

7.65

95.7

70-130

QC Summary Data

| Hilcorp Energy Co | Project Name: | Federal 1 E | Reported: |
|-------------------|------------------|----------------|--------------------|
| PO Box 61529 | Project Number: | 17051-0002 | • |
| Houston TX, 77208 | Project Manager: | Mitch Killough | 7/8/2025 2:25:08PM |

| Houston TX, 77208 | | Project Manage | r: Mi | tch Killough | | | | | 7/8/2025 2:25:08PM |
|---------------------------------|--------|--------------------|----------------|------------------|-----------|---------------|-------------|--------------|--------------------|
| | Nonha | logenated Or | ganics by l | EPA 8015I | D - DRO | /ORO | | | Analyst: NV |
| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | |
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | Notes |
| Blank (2528006-BLK1) | | | | | | | Prepared: 0 | 7/07/25 A | nalyzed: 07/07/25 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Dil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| Surrogate: n-Nonane | 45.5 | | 50.0 | | 91.0 | 61-141 | | | |
| LCS (2528006-BS1) | | | | | | | Prepared: 0 | 7/07/25 A | nalyzed: 07/08/25 |
| Diesel Range Organics (C10-C28) | 234 | 25.0 | 250 | | 93.8 | 66-144 | | | |
| Surrogate: n-Nonane | 45.1 | | 50.0 | | 90.3 | 61-141 | | | |
| Matrix Spike (2528006-MS1) | | | | Source: | E507038-0 | 02 | Prepared: 0 | 7/07/25 A | nalyzed: 07/08/25 |
| Diesel Range Organics (C10-C28) | 244 | 25.0 | 250 | ND | 97.5 | 56-156 | | | |
| Surrogate: n-Nonane | 46.5 | | 50.0 | | 92.9 | 61-141 | | | |
| Matrix Spike Dup (2528006-MSD1) | | | | Source: | E507038-0 | 02 | Prepared: 0 | 7/07/25 A | nalyzed: 07/08/25 |
| Diesel Range Organics (C10-C28) | 243 | 25.0 | 250 | ND | 97.1 | 56-156 | 0.441 | 20 | |
| Surrogate: n-Nonane | 45.4 | | 50.0 | | 90.8 | 61-141 | | | |



QC Summary Data

| Hilcorp Energy Co | | Project Name: | | ederal 1 E | | | | | Reported: |
|-----------------------------------|--------|-------------------------------------|----------------|-----------------------------|----------|---------------|-------------|--------------|--------------------|
| PO Box 61529 Houston TX, 77208 | | Project Number: Project Manager: | | 7051-0002 litch Killough | | | | | 7/8/2025 2:25:08PM |
| | | Anions | by EPA 3 | 300.0/9056 <i>£</i> | ۸ | | | | Analyst: JM |
| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | |
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | Notes |
| Blank (2527122-BLK1) | | | | | | | Prepared: 0 | 7/03/25 A | nalyzed: 07/06/25 |
| Chloride | ND | 20.0 | | | | | | | |
| LCS (2527122-BS1) | | | | | | | Prepared: 0 | 7/03/25 A | nalyzed: 07/06/25 |
| Chloride | 251 | 20.0 | 250 | | 100 | 90-110 | | | |
| Matrix Spike (2527122-MS1) | | | | Source: | E506299- | 02 | Prepared: 0 | 7/03/25 A | nalyzed: 07/06/25 |
| Chloride | 322 | 20.0 | 250 | 45.5 | 111 | 80-120 | | | |
| Matrix Spike Dup (2527122-MSD1) | | | | Source: | E506299- | 02 | Prepared: 0 | 7/03/25 A | nalyzed: 07/06/25 |
| Chloride | 310 | 20.0 | 250 | 45.5 | 106 | 80-120 | 3.79 | 20 | |

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

| | Hilcorp Energy Co | Project Name: | Federal 1 E | |
|---|-------------------|------------------|----------------|----------------|
| l | PO Box 61529 | Project Number: | 17051-0002 | Reported: |
| l | Houston TX, 77208 | Project Manager: | Mitch Killough | 07/08/25 14:25 |

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



| Client Information | | | Invoice Information | | | Lab Use Only | | | | | | | TAT State | | | | | 9 | | | | |
|---|------------------------|---------------|--|-------------------|---|---|-------------|---------------|---------|--------------|------------|-----------|-------------|----------------|------------|----------------|---------------|-------------|-------------|----------------------|-----------------|------------|
| Client: HilCorp Project Name: Federal E Project Manager: Mitch Killough | | | | Company: | | La | b W | VO# | | | Job | ob Number | | | | 2D 3 | D Std | NM CO UT TX | | | | |
| | | | The second secon | Address: | | E | E507038 1 | | | | 17051-0002 | | | 22 | X | | | | | | | |
| | | | 100000000000000000000000000000000000000 | City, State, Zip: | | <u> </u> | _ | | | | | | | | | | | | | | | |
| Address: | | - | | | 1909000 | Phone: | | [| - | | | | Ana | alysis | and | and Method | | | | | A Progra | - |
| City, Stat | e, Zip: | | | | | mail: | | | | - 1 | | | | | | | | | | SDWA | CWA | RCRA |
| Phone: | 1Killaugh | 01:1 | coco . | cam | - ^N | liscellaneous: | | | | | | | | | | | | | | Canadian | a Lv | 0 1 N |
| Ciliali. | TKITICUSE | Prince | corp. | CDM | | | | | | 8015 | 8015 | | | | | | 5 | | | Compliant PWSID # | e Y | or N |
| - | | | | Samr | le Informa | tion | | Consideration | |) by | by i | 8021 | 260 | 300.0 | Σ | XT - 8 | letal | | | PVV3ID# | | |
| Time | | protein to | No. of | T | ne miorine | | 0 2 | Lab | | /ORC | /DRC | by 8 | by 8 | ride | 50 | 1005 | 18 1 | | | | Remarks | |
| Sampled | Date Sampled | Matrix | Containers | | | Sample ID | Fiel | Lab Numbe | er | DRO/ORO by | GRO/DRO by | втех by | VOC by 8260 | Chloride 300.0 | BGDOC - NM | TCEQ 1005 - TX | RCRA 8 Metals | | | | | |
| 1010 | 7-3-35 | 5 | 1 | (| Cal | | | 1 | | Z | X | × | | × | | | | | | 5.5° | | |
| | | 5 | | | 501 | | | 2 | | < | / | / | | 1 | | | | | 1 | 5.8 | | |
| 1015 | 7-3-25 | 7 | 1 | | 502 | | _ | a | 1 | ^ | X | 1 | | X | | | | | _ | 7.0 | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | T | | | | | | | | | | | | |
| | | | - | | | | | | + | - | _ | | | | | | | | +- | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | \dashv | | | | | | | | - | +- | | - | |
| | | | | | *************************************** | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | *************************************** | | | | | \exists | | | | | | | | | | | | |
| | | | ļ | | | (111-11-11-11-11-11-11-11-11-11-11-11-11 | _ | | | \dashv | | _ | _ | | _ | | | - | _ | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| Addition | al Instruction | is: | 1 2 | 100 | 2-25-16 | 100 - 00 - 00 | .// 0 | | , | | | | | | | | | | 1 | | | |
| I. (field same | oler), attest to the | validity and | dauthenticit | v of this sample | Lam aware t | nat tampering with or intentionally mislabeli | ng the sam | onle locatio | on da | ate or | time | of col | ection | is con | siderer | d fraue | l and m | av he gro | unds for l | egal action | | |
| Sampled by: | Fric | ca | rroll | , | | at tampering men or mendorum, misuscen | ing the sun | ipic locatio | o 11, a | ate of | time | 01 001 | cetion | 13 COII | Jidei et | a maac | ano m | ay be give | u1103 101 1 | egai detion. | | |
| Relinguish | ed by: (Signature | 2) , | Date | | Time | Received by: Signature | Date | _ | T | ime | | | | | Sample | es requ | iring the | rmal prese | rvation mu | st be received o | n ice the day | they are |
| 610 | w cour | M | 7 | -3.25 | 1355 | Cartle Mon | 7. | 3-25 | - | 13 | FF | 5 | | | sample | ed or re | ceived p | acked in ic | e at an avg | temp above 0 l | out less than 6 | °C on |
| Relinquish | ed by: (Signature | 2) | Date | | Time | Received by Signature) Received by: (Signature) | Date | | T | ime | | | | | Funcas | uant d | 3/15 | | Lab Us | e Only | | |
| Relinguish | ed by: (Signature |) | Date | , | Гime | Received by: (Signature) | Date | | T | ime | | | | | Rece | eivec | on ic | ce: (| Y)/ N | | | |
| | / · (- · B · · · · · · | | | | | Treatment by Constitution by | | | | 111170 | | | | | T1 | | | T | 2 | | T3 | |
| Relinquish | ed by: (Signature | 2) | Date | | Time | Received by: (Signature) | Date | | Т | ime | | | | | A116 | | | | | | | |
| Sample Mat | rix: S - Soil, Sd - Sc | lid. Sø - Shu | dge A - Anu | eous. O - Other | | | Cont | tainer Ty | /pe: | a - a | lass | n - n | oly/n | astic | | | np °C | S. V - V(| DAI | | | |
| | | | | | | arrangements are made. Hazardous sa | | | | | | | | | | | | | | ne analysis o | f the above | samples is |
| | | | | | | The liability of the laboratory is limited t | | | | | | | | | | | | | | 31.01,013 0 | | |

envirotech⁸

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

| Client: | Hilcorp Energy Co | Date Received: | 07/03/25 | 13:55 | Work Order ID: | E507038 |
|------------|---|------------------|------------|-----------------------|----------------|---------------|
| Phone: | - | Date Logged In: | 07/03/25 | 14:07 | Logged In By: | Noe Soto |
| Email: | mkillough@hilcorp.com | Due Date: | | 17:00 (2 day TAT) | | |
| ~ | | | | | | |
| | Custody (COC) | | ** | | | |
| | he sample ID match the COC? he number of samples per sampling site location mat | ah tha COC | Yes | | | |
| | | cii tile COC | Yes | ~ ~ | | |
| | amples dropped off by client or carrier? e COC complete, i.e., signatures, dates/times, reques | tod analyzaar? | Yes Yes | Carrier: Eric Carroll | | |
| | ill samples received within holding time? | aled allaryses: | Yes | | | |
| J. WEIE a | Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssic | | 168 | | Comment | ts/Resolution |
| Sample 7 | <u> Furn Around Time (TAT)</u> | | | | | |
| 6. Did the | e COC indicate standard TAT, or Expedited TAT? | | Yes | | | |
| Sample (| | | | | | |
| | sample cooler received? | | Yes | | | |
| 8. If yes, | was cooler received in good condition? | | Yes | | | |
| 9. Was th | e sample(s) received intact, i.e., not broken? | | Yes | | | |
| 10. Were | custody/security seals present? | | No | | | |
| 11. If yes | , were custody/security seals intact? | | NA | | | |
| | ne sample received on ice? Note: Thermal preservation is not required, if samples are 15 minutes of sampling COC for individual sample temps. Samples outside of | | Yes | in comments | | |
| | 1 1 1 | 10 C-0 C will be | recorded | in comments. | | |
| | Container avacase VOC comples present? | | NI. | | | |
| | queous VOC samples present? | | No NA | | | |
| | OC samples collected in VOA Vials? head space less than 6-8 mm (pea sized or less)? | | NA NA | | | |
| | • | | | | | |
| | a trip blank (TB) included for VOC analyses? | . | NA | | | |
| | on-VOC samples collected in the correct containers? appropriate volume/weight or number of sample contain | | Yes | | | |
| | • | iers confected? | Yes | | | |
| Field La | field sample labels filled out with the minimum info | rmation: | | | | |
| | ample ID? | imation. | Yes | | | |
| | Date/Time Collected? | | Yes | | | |
| C | Collectors name? | | Yes | | | |
| Sample 1 | Preservation_ | | | | | |
| 21. Does | the COC or field labels indicate the samples were pr | eserved? | No | | | |
| 22. Are s | ample(s) correctly preserved? | | NA | | | |
| 24. Is lab | filtration required and/or requested for dissolved me | etals? | No | | | |
| Multipha | ase Sample Matrix | | | | | |
| 26. Does | the sample have more than one phase, i.e., multiphas | se? | No | | | |
| 27. If yes | , does the COC specify which phase(s) is to be analy | zed? | NA | | | |
| Subconti | ract Laboratory | | | | | |
| | amples required to get sent to a subcontract laborator | ry? | No | | | |
| | a subcontract laboratory specified by the client and if | • | NA | Subcontract Lab: NA | | |
| | nstruction_ | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Date

Signature of client authorizing changes to the COC or sample disposition.

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

QUESTIONS

Action 489910

QUESTIONS

| Operator: | OGRID: |
|------------------------|---|
| HILCORP ENERGY COMPANY | 372171 |
| 1111 Travis Street | Action Number: |
| Houston, TX 77002 | 489910 |
| | Action Type: |
| | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

| Prerequisites | | | | | | |
|------------------|--|--|--|--|--|--|
| Incident ID (n#) | nAPP2510430103 | | | | | |
| Incident Name | NAPP2510430103 FEDERAL PIONEER 1E @ 30-045-33473 | | | | | |
| Incident Type | Oil Release | | | | | |
| Incident Status | Remediation Closure Report Received | | | | | |
| Incident Well | [30-045-33473] FEDERAL PIONEER #001E | | | | | |

| Location of Release Source | | | | | | |
|--|--------------------|--|--|--|--|--|
| Please answer all the questions in this group. | | | | | | |
| Site Name | FEDERAL PIONEER 1E | | | | | |
| Date Release Discovered | 04/13/2025 | | | | | |
| Surface Owner | Private | | | | | |

| Incident Details | | | | | | | |
|--|-------------|--|--|--|--|--|--|
| Please answer all the questions in this group. | | | | | | | |
| Incident Type | Oil Release | | | | | | |
| Did this release result in a fire or is the result of a fire | No | | | | | | |
| Did this release result in any injuries | No | | | | | | |
| Has this release reached or does it have a reasonable probability of reaching a watercourse | No | | | | | | |
| Has this release endangered or does it have a reasonable probability of endangering public health | No | | | | | | |
| Has this release substantially damaged or will it substantially damage property or the environment | No | | | | | | |
| Is this release of a volume that is or may with reasonable probability be detrimental to fresh water | No | | | | | | |

| Nature and Volume of Release | |
|--|--|
| Material(s) released, please answer all that apply below. Any calculations or specific justifications for | or the volumes provided should be attached to the follow-up C-141 submission. |
| Crude Oil Released (bbls) Details | Not answered. |
| Produced Water Released (bbls) Details | Not answered. |
| Is the concentration of chloride in the produced water >10,000 mg/l | No |
| Condensate Released (bbls) Details | Cause: Equipment Failure Production Tank Condensate Released: 13 BBL Recovered: 0 BBL Lost: 13 BBL. |
| Natural Gas Vented (Mcf) Details | Not answered. |
| Natural Gas Flared (Mcf) Details | Not answered. |
| Other Released Details | Not answered. |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts) | On 4/13/2025 at 9:27 am (MT), a condensate storage tank was scheduled for an oil sale, but the hauler noted that the tank was 12.7 bbls less than it should have been. The lease operator further investigated the spill location and observed a hex plug on the NW side of tank that had a small drip. The operator backed out the hex plug off one thread and cleaned it off. Once the plug was re-installed, the leak stopped. 0 bbls of fluid was recovered and was absorbed into the gravel/soils beneath the condensate storage tank. No spilled product migrated off the pad surface or outside of secondary containment. |

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**

QUESTIONS, Page 2

Action 489910

| QUESTIONS (| continued) |
|-------------|------------|
|-------------|------------|

| QUESTI | ONS (continued) |
|--|--|
| Operator: HILCORP ENERGY COMPANY 1111 Travis Street | OGRID: 372171 Action Number: |
| Houston, TX 77002 | 489910 |
| | Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
| QUESTIONS | |
| Nature and Volume of Release (continued) | |
| Is this a gas only submission (i.e. only significant Mcf values reported) | No, according to supplied volumes this does not appear to be a "gas only" report. |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC | No |
| Reasons why this would be considered a submission for a notification of a major release | Unavailable. |
| With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. | e. gas only) are to be submitted on the C-129 form. |
| Initial Response The responsible party must undertake the following actions immediately unless they could create a s | safety hazard that would result in injury. |
| The source of the release has been stopped | True |
| The impacted area has been secured to protect human health and the environment | True |
| Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices | True |
| All free liquids and recoverable materials have been removed and managed appropriately | True |
| If all the actions described above have not been undertaken, explain why | Although the spilled fluids did not migrate outside of secondary containment, the fluids migrated vertically into the ground surface beneath the condensate storage tank. |
| | ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission. |
| to report and/or file certain release notifications and perform corrective actions for releating the OCD does not relieve the operator of liability should their operations have failed to a | knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or |
| I hereby agree and sign off to the above statement | Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 07/29/2025 |

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

QUESTIONS, Page 3

Action 489910

QUESTIONS (continued)

| Operator: | OGRID: |
|------------------------|---|
| HILCORP ENERGY COMPANY | 372171 |
| 1111 Travis Street | Action Number: |
| Houston, TX 77002 | 489910 |
| | Action Type: |
| | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

| Site Characterization | |
|---|---|
| Please answer all the questions in this group (only required when seeking remediation plan approva release discovery date. | l and beyond). This information must be provided to the appropriate district office no later than 90 days after the |
| What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs) | Between 26 and 50 (ft.) |
| What method was used to determine the depth to ground water | NM OSE iWaters Database Search |
| Did this release impact groundwater or surface water | No |
| What is the minimum distance, between the closest lateral extents of the release and the following surface areas: | |
| A continuously flowing watercourse or any other significant watercourse | Between 1 and 100 (ft.) |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark) | Between ½ and 1 (mi.) |
| An occupied permanent residence, school, hospital, institution, or church | Between 300 and 500 (ft.) |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes | Between 300 and 500 (ft.) |
| Any other fresh water well or spring | Between 500 and 1000 (ft.) |
| Incorporated municipal boundaries or a defined municipal fresh water well field | Zero feet, overlying, or within area |
| A wetland | Between 1 and 100 (ft.) |
| A subsurface mine | Greater than 5 (mi.) |
| An (non-karst) unstable area | Greater than 5 (mi.) |
| Categorize the risk of this well / site being in a karst geology | None |
| A 100-year floodplain | Between 1 and 100 (ft.) |
| Did the release impact areas not on an exploration, development, production, or storage site | No |

| Remediation Plan | | |
|---|--|--|
| Please answer all the questions th | at apply or are indicated. This information must be provided to t | the appropriate district office no later than 90 days after the release discovery date. |
| Requesting a remediation | plan approval with this submission | Yes |
| Attach a comprehensive report de | monstrating the lateral and vertical extents of soil contamination | associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC. |
| Have the lateral and vertica | l extents of contamination been fully delineated | Yes |
| Was this release entirely co | ontained within a lined containment area | No |
| Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.) | | |
| Chloride | (EPA 300.0 or SM4500 CI B) | 0 |
| TPH (GRO+DRO+MRO) | (EPA SW-846 Method 8015M) | 0 |
| GRO+DRO | (EPA SW-846 Method 8015M) | 0 |
| BTEX | (EPA SW-846 Method 8021B or 8260B) | 0 |
| Benzene | (EPA SW-846 Method 8021B or 8260B) | 0 |
| Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation. | | |
| On what estimated date will | Il the remediation commence | 05/01/2025 |
| On what date will (or did) th | ne final sampling or liner inspection occur | 07/03/2025 |
| On what date will (or was) t | the remediation complete(d) | 07/01/2025 |
| What is the estimated surfa | ce area (in square feet) that will be reclaimed | 0 |
| What is the estimated volur | me (in cubic yards) that will be reclaimed | 0 |
| What is the estimated surfa | ce area (in square feet) that will be remediated | 0 |
| What is the estimated volur | ne (in cubic yards) that will be remediated | 0 |
| These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed. | | |

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

QUESTIONS, Page 4

Action 489910

QUESTIONS (continued)

| Operator: | OGRID: |
|------------------------|---|
| HILCORP ENERGY COMPANY | 372171 |
| 1111 Travis Street | Action Number: |
| Houston, TX 77002 | 489910 |
| | Action Type: |
| | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

| Remediation Plan (continued) | |
|---|---|
| Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date. | |
| This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants: | |
| (Select all answers below that apply.) | |
| (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.) | Not answered. |
| (Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms) | Not answered. |
| (In Situ) Soil Vapor Extraction | Not answered. |
| (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.) | Not answered. |
| (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.) | Not answered. |
| (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.) | Not answered. |
| Ground Water Abatement pursuant to 19.15.30 NMAC | Not answered. |
| OTHER (Non-listed remedial process) | Yes |
| Other Non-listed Remedial Process. Please specify | No remediation required |
| | forth of remodiation, the report must include a prepared remodiation plan in accordance with 10.15.20.12.NB |

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Name: Stuart Hyde Title: Senior Geologist I hereby agree and sign off to the above statement Email: shyde@ensolum.com Date: 07/29/2025

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

QUESTIONS, Page 5

Action 489910

QUESTIONS (continued)

| Operator: | OGRID: |
|------------------------|---|
| HILCORP ENERGY COMPANY | 372171 |
| 1111 Travis Street | Action Number: |
| Houston, TX 77002 | 489910 |
| | Action Type: |
| | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

| Deferral Requests Only | |
|--|---|
| Only answer the questions in this group if seeking a deferral upon approval this submission. Each of | the following items must be confirmed as part of any request for deferral of remediation. |
| Requesting a deferral of the remediation closure due date with the approval of this submission | No |

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

QUESTIONS, Page 6

Action 489910

QUESTIONS (continued)

| Operator: | OGRID: |
|------------------------|---|
| HILCORP ENERGY COMPANY | 372171 |
| 1111 Travis Street | Action Number: |
| Houston, TX 77002 | 489910 |
| | Action Type: |
| | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
| | |

QUESTIONS

| Sampling Event Information | |
|---|------------|
| Last sampling notification (C-141N) recorded | 479671 |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 07/03/2025 |
| What was the (estimated) number of samples that were to be gathered | 3 |
| What was the sampling surface area in square feet | 100 |

| Remediation Closure Request | | |
|--|-----|--|
| Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed. | | |
| Requesting a remediation closure approval with this submission | Yes | |
| Have the lateral and vertical extents of contamination been fully delineated | Yes | |
| Was this release entirely contained within a lined containment area | No | |
| All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion | Yes | |
| What was the total surface area (in square feet) remediated | 0 | |
| What was the total volume (cubic yards) remediated | 0 | |
| All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene | Yes | |
| What was the total surface area (in square feet) reclaimed | 0 | |
| What was the total volume (in cubic yards) reclaimed | 0 | |
| Summarize any additional remediation activities not included by answers (above) | N/A | |

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Name: Stuart Hyde
Title: Senior Geologist
Email: shyde@ensolum.com
Date: 07/29/2025

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

QUESTIONS, Page 7

Action 489910

QUESTIONS (continued)

| Operator: | OGRID: |
|------------------------|---|
| HILCORP ENERGY COMPANY | 372171 |
| 1111 Travis Street | Action Number: |
| Houston, TX 77002 | 489910 |
| | Action Type: |
| | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

| Reclamation Report | | |
|---|----|--|
| Only answer the questions in this group if all reclamation steps have been completed. | | |
| Requesting a reclamation approval with this submission | No | |

General Information Phone: (505) 629-6116

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

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

CONDITIONS

Action 489910

CONDITIONS

| Operator: | OGRID: |
|------------------------|---|
| HILCORP ENERGY COMPANY | 372171 |
| 1111 Travis Street | Action Number: |
| Houston, TX 77002 | 489910 |
| | Action Type: |
| | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

CONDITIONS

| Created By | | Condition Date |
|---------------|--|-------------------|
| scott.rodgers | This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete". | 10/9/2025 |