



October 28, 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: Sampling Report and Closure Request**

Delhi Com 300  
San Juan County, New Mexico  
Hilcorp Energy Company  
NMOCD Incident No: nAPP2419831640

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Hilcorp Energy Company (Hilcorp), has prepared this *Sampling Report and Closure Request* associated with a produced water release at the production well Delhi Com 300 (Site). The Site is located on surface managed by the New Mexico State Land Office (NMSLO) in Unit D, Section 16, Township 30 North, Range 8 West, San Juan County, New Mexico (Figure 1).

## SITE BACKGROUND

On July 10, 2024, a release of produced water from the Site pump jack occurred due to equipment failure. This failure resulted in the pump jack releasing produced water onto the well pad and subsequently migrating over the ground surface downhill via road wheel tracks and onto the access road. In total, approximately 18 barrels (bbls) of produced water were released, of which approximately 8 bbls were recovered using a vacuum truck.

In accordance with Title 19, Chapter 15, Part 29 of the New Mexico Administrative Code (NMAC), Hilcorp notified the New Mexico Oil Conservation Division (NMOCD) on July 10, 2024. The Site has been assigned NMOCD Incident Number nAPP2419831640.

## SITE CHARACTERIZATION AND CLOSURE CRITERIA

An assessment of potential nearby receptors was conducted through desktop reviews of topographic maps, Federal Emergency Management Administration (FEMA) Geographic Information System (GIS) maps, United States Geological Survey (USGS) GIS maps, New Mexico Office of the State Engineer (NMOSE) database, and aerial photographs, as well as Site-specific observations.

## GEOLOGY AND HYDROGEOLOGY

The Site is located in Tertiary (Eocene) age San Jose Formation and is 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 San Jose Formation is composed of interbedded sandstones and mudstones and varies in thickness from less than 200 feet to about 2,700 feet. The hydrogeologic properties of the San Jose Formation are largely untested. Where sufficient yield is present, the primary use of water from this Formation is for domestic and/or livestock supply.

The closest significant watercourse is an unnamed dry wash located 610 feet west of the Site. The Site is greater than 0.5 miles from any lakebed, sinkhole, or playa lake, and greater than 300 feet from any wetland (Figure 1). The nearest fresh-water well is NMOSE permitted well SJ-04177-POD 1, located approximately 2,720 feet southeast of the Site and within the San Juan River alluvial aquifer. Additionally, a cathodic protection well is located on the Howell K #4 well pad (API Number 30-045-09510) approximately 2,460 feet west of the site and at an elevation 30 feet higher than the Site. The well was advanced to a depth of 200 feet with no water encountered during drilling (Appendix A).

No wellhead protection areas or springs are located within a 0.5-mile radius from the Site. 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 low 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 the *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): 2,500 mg/kg
- GRO+DRO: 1,000 mg/kg
- Chloride: 20,000 mg/kg

However, Hilcorp will use the most stringent Closure Criteria of 100 mg/kg TPH and 600 mg/kg chloride for this release in lieu of drilling a boring to further assess depth to water. If a future release occurs at the Site, a depth to water boring may be drilled to determine Site specific conditions in order to use less stringent Closure Criteria.

## 2024 SOIL SAMPLING ACTIVITIES

On July 10, 2024, Hilcorp personnel collected two soil samples (GS-01 and GS-02) to assess potential soil impacts resulting from the release at the Site. Two discrete samples were collected from the saturated soil, one from the well pad and the second from the access road where produced water had soaked into the soil (Figure 2).

The results of the initial sampling were below the applicable Closure Criteria for the Site; however, based on discussions with the NMOCD, two additional soil samples were requested to be collected to assess potential impacts in the release area; one 5-point composite sample from the on-pad area near GS-01 and one discrete sample just beyond the distal end of the release to delineate the release. As such, Hilcorp retained Ensolum to collect two soil samples (SS01 and SS02) on August 7, 2024, to confirm the soils within the release footprint and at the distal end of the release extent had been appropriately assessed and verify COC concentrations were below the Closure Criteria. One 5-point composite (SS01) was collected around the release footprint around the pump jack from depths of 0 to 6 inches bgs. In addition, one discrete soil sample (SS02) was collected at the distal end of the release along the roadway, also collected from depths of 0 to 6 inches bgs. This sampling plan was approved prior to implementation per the attached NMOCD correspondence, Appendix B. A sampling notification was also provided to the NMOCD prior to sample collection and is included in Appendix B.

Based on analytical results, all samples collected at the Site were in compliance with the applicable NMOCD Closure Criteria for all COCs. Soil sample analytical results are summarized in Table 1, with complete laboratory analytical reports attached as Appendix C. Photographs taken during field activities are attached as Appendix D.

## 2025 SOIL SAMPLING ACTIVITIES

Based on further discussions with the NMOCD in August 2025, additional delineation soil sampling was conducted on October 7, 2025. Specifically, 10 hand-auger borings (BH01 through BH10) were advanced at the Site. In accordance with 19.15.29.11.A(5)(d) NMAC, field screening for chloride and TPH constituents (including BTEX) was performed to assess for the presence of potential impacts. At each location, soil samples were collected at depths of 0 inches to 6 inches and at 1-foot bgs. Field screening was performed in the manner described below.

Chloride screening with Hach® chloride QuanTab® test strips was conducted by weighing out 25 grams of soil and placing in a jar with a water-tight screw top cap. A total of 100 milliliters of distilled water was added to the jar, preparing a 1 to 4 dilution. The mixture was agitated and allowed to settle. The solution was drawn into a poly-syringe and injected through a 0.45-micron filter to remove any additional sediments in the solution and placed into a decontaminated glass jar for measurement. Based on anticipated concentrations, a low range (30 parts per million [ppm] to 600 ppm) titrator strip was placed into the jar and allowed to wick the solution per manufacturer directions. Results of the strip readings were multiplied by four due to the dilution and results are noted on Table 1.

Field screening for volatile organic contaminants (VOCs, including BTEX and TPH constituents) was conducted using a photoionization detector (PID). Prior to screening, the PID was calibrated using 100 parts per million isobutylene. A new, labeled resealable plastic bag was filled  $\frac{1}{4}$  to  $\frac{1}{2}$  full with soil and sealed leaving headspace for volatilization. Large clumps of soil were also broken into smaller pieces once sealed. The bag was kept out of direct sunlight where possible. Volatilization time was generally between 2 to 10 minutes based on ambient air temperature (longer time when colder temperatures were encountered in the morning). Field screening was also performed prior to visible water vapor accumulating on the inside of the bag. To screen, the corner of the bag was opened only wide enough to insert the PID probe tip and filter into the bag, then resealed around the probe. Within 30 seconds of inserting the probe, the peak reading displayed on the PID was recorded in the field notes. PID results are also included in Table 1.

## CLOSURE REQUEST.

Soil sampling activities were conducted at the Site to assess the release of produced water discovered on July 10, 2024. As presented in Table 1, laboratory analytical results gathered in 2024, in conjunction with the PID and chloride field screening results collected on October 7, 2025, indicate COCs are not present at the Site in exceedance of the strictest NMOCD Table I Closure Criteria. As such, Hilcorp respectfully requests closure for Incident Number nAPP2419831640.

## 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  
Sampling Report and Closure Request  
Delhi Com 300

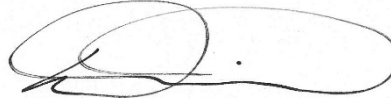
Page 4

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

Sincerely,  
**Ensolum, LLC**



Stuart Hyde, PG (licensed in WA & TX)  
Senior Managing Geologist  
(970) 903-1607  
shyde@ensolum.com



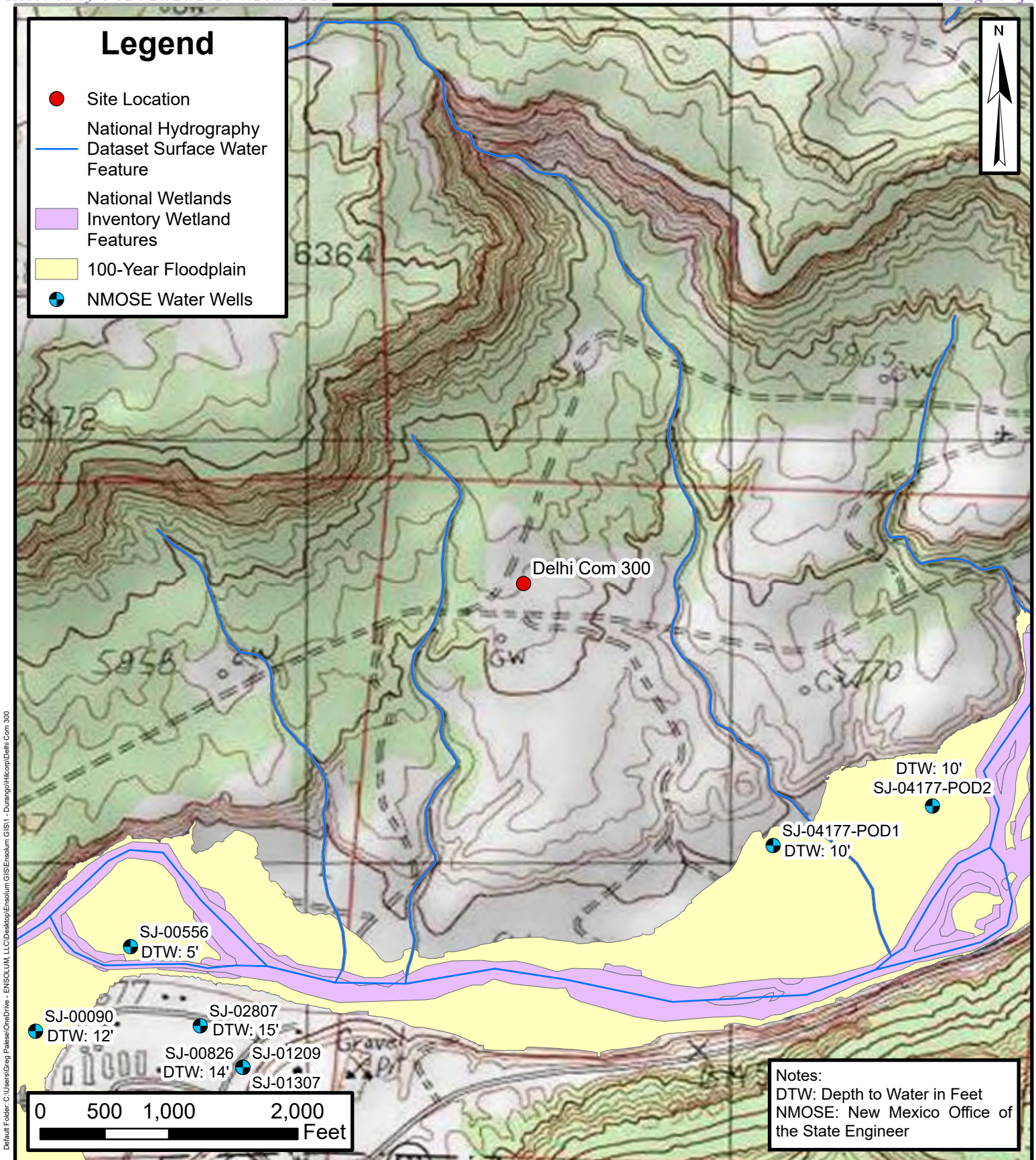
Daniel R. Moir, PG (licensed in WY & TX)  
Senior Managing Geologist  
(303) 887-2946  
dmoir@ensolum.com

**Attachments:**

Figure 1: Site Receptor Map  
Figure 2: Soil Sample Locations and Results  
  
Table 1: Soil Delineation and Confirmation Sampling Results  
  
Appendix A: Depth to Water Determination  
Appendix B: NMOCD Correspondence  
Appendix C: Laboratory Analytical Reports  
Appendix D: Photographic Log



FIGURES

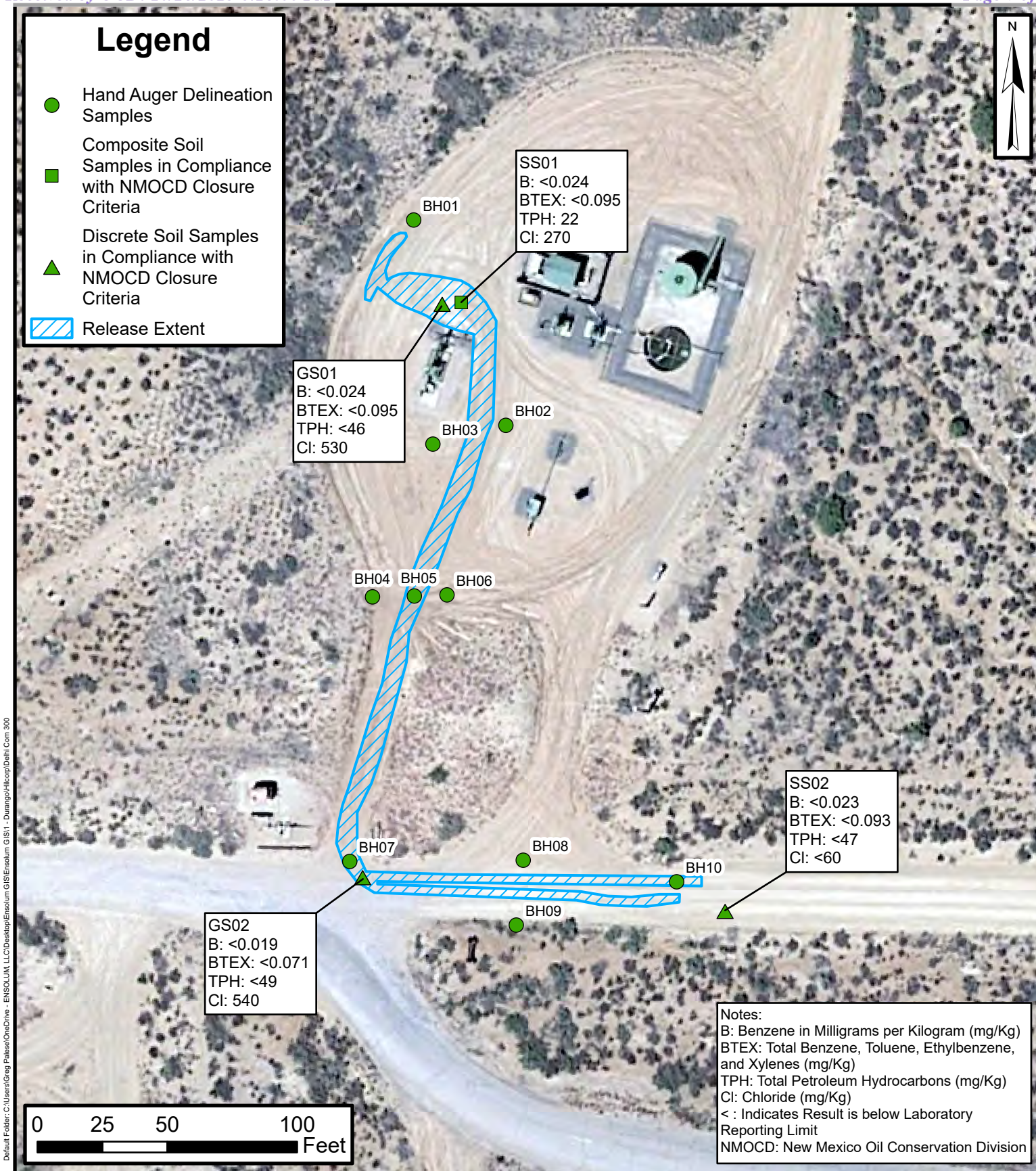


## Site Receptor Map

Delhi Com 300  
 Hilcorp Energy Company

36.816350, -107.685340  
 San Juan County, New Mexico

**FIGURE**  
**1**





TABLES



TABLE 1 SOIL DELINEATION AND CONFIRMATION SAMPLING RESULTS Delhi Com 300 Hilcorp Energy Company San Juan County, New Mexico																
Sample Identification	Date	Depth (feet bgs)	Sample Type	PID (ppm)	Chloride Field Screening (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)	GRO + DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Closure Criteria for Soils Impacted by a Release			NE	NE	NE	10	NE	NE	NE	50	NE	NE	1,000	NE	2,500	20,000
GS-01	7/10/2024	0-0.5	Discrete	--	--	< 0.024	< 0.047	< 0.047	< 0.095	< 0.095	< 4.7	< 9.1	< 9.1	< 46	< 46	530
GS-02	7/10/2024	0-0.5	Discrete	--	--	< 0.019	< 0.036	< 0.036	< 0.071	< 0.071	< 3.6	< 9.8	< 9.8	< 49	< 49	540
SS01	8/7/2024	0-0.5	Composite	--	--	< 0.024	< 0.048	< 0.048	< 0.095	< 0.095	< 4.8	22	22	< 50	22	270
SS02	8/7/2024	0-0.5	Discrete	--	--	< 0.023	< 0.047	< 0.047	< 0.093	< 0.093	< 4.7	< 9.3	< 9.3	< 47	< 47	< 60
BH01@0-6"	10/7/2025	0-0.5	Discrete	122.5	344	--	--	--	--	--	--	--	--	--	--	--
BH01@1'	10/7/2025	1	Discrete	152.7	240	--	--	--	--	--	--	--	--	--	--	--
BH02@0-6"	10/7/2025	0-0.5	Discrete	99.3	80	--	--	--	--	--	--	--	--	--	--	--
BH02@1'	10/7/2025	1	Discrete	28.7	112	--	--	--	--	--	--	--	--	--	--	--
BH03@0-6"	10/7/2025	0-0.5	Discrete	22.4	112	--	--	--	--	--	--	--	--	--	--	--
BH03@1'	10/7/2025	1	Discrete	31.2	128	--	--	--	--	--	--	--	--	--	--	--
BH04@0-6"	10/7/2025	0-0.5	Discrete	1.6	128	--	--	--	--	--	--	--	--	--	--	--
BH04@1'	10/7/2025	1	Discrete	1.7	112	--	--	--	--	--	--	--	--	--	--	--
BH05@0-6"	10/7/2025	0-0.5	Discrete	1.4	136	--	--	--	--	--	--	--	--	--	--	--
BH05@1'	10/7/2025	1	Discrete	0.2	128	--	--	--	--	--	--	--	--	--	--	--
BH06@0-6"	10/7/2025	0-0.5	Discrete	0.4	112	--	--	--	--	--	--	--	--	--	--	--
BH06@1'	10/7/2025	1	Discrete	0.2	112	--	--	--	--	--	--	--	--	--	--	--
BH07@0-6"	10/7/2025	0-0.5	Discrete	5.1	336	--	--	--	--	--	--	--	--	--	--	--
BH07@1'	10/7/2025	1	Discrete	3.9	297	--	--	--	--	--	--	--	--	--	--	--
BH08@0-6"	10/7/2025	0-0.5	Discrete	14.9	157	--	--	--	--	--	--	--	--	--	--	--
BH08@1'	10/7/2025	1	Discrete	3.7	<156	--	--	--	--	--	--	--	--	--	--	--
BH09@0-6"	10/7/2025	0-0.5	Discrete	11.2	<156	--	--	--	--	--	--	--	--	--	--	--
BH09@1'	10/7/2025	1	Discrete	4.1	<156	--	--	--	--	--	--	--	--	--	--	--
BH10@0-6"	10/7/2025	0-0.5	Discrete	7.1	297	--	--	--	--	--	--	--	--	--	--	--
BH10@1'	10/7/2025	1	Discrete	1.1	258	--	--	--	--	--	--	--	--	--	--	--

**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

< : indicates result less than the stated laboratory reporting limit (RL)

--: Not tested



## APPENDIX A

### Depth to Water Determination

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30-045-09510

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS  
NORTHWESTERN NEW MEXICO  
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit NE Sec. 17 Twp 30 Rng 8

Name of Well/Wells or Pipeline Serviced HOWELL K #4

cps 9w

Elevation 6857' Completion Date 6/9/61 Total Depth 200' Land Type\* N/A

Casing, Sizes, Types & Depths N/A

If Casing is cemented, show amounts & types used N/A

If Cement or Bentonite Plugs have been placed, show depths & amounts used  
N/A

Depths & thickness of water zones with description of water when possible:  
Fresh, Clear, Salty, Sulphur, Etc. N/A

Depths gas encountered: N/A

Type & amount of coke breeze used: 7 1/4 SACKS

Depths anodes placed: 200', 150', 135', 120', 105'

Depths vent pipes placed: N/A

Vent pipe perforations: N/A

Remarks: \_\_\_\_\_

RECEIVED  
MAY 31 1991  
OIL CON. DIST.

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

\*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.  
If Federal or Indian, add Lease Number.



## APPENDIX B

### NMOCD Correspondence

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**From:** [OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us)  
**To:** [Stuart Hyde](#)  
**Subject:** The Oil Conservation Division (OCD) has accepted the application, Application ID: 369426  
**Date:** Thursday, August 1, 2024 1:16:51 PM

---

[ \*\*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#) nAPP2419831640.

The sampling event is expected to take place:

**When:** 08/07/2024 @ 14:30

**Where:** D-16-30N-08W 790 FNL 1165 FWL (36.816364,-107.68471)

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

**Additional Instructions:** Hilcorp Delhi Com 300 well pad, coordinates 36.81635, -107.68534

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:** [Velez, Nelson, EMNRD](#)  
**To:** [Stuart Hyde](#)  
**Cc:** [Kate Kaufman](#)  
**Subject:** Re: [EXTERNAL] Hilcorp Delhi Com 300 Sampling Plan  
**Date:** Wednesday, July 31, 2024 9:54:28 AM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[image003.png](#)  
[Outlook-04ecdelt.png](#)

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[ \*\*EXTERNAL EMAIL\*\* ]

Good morning Stuart,

Thank you for the correspondence. The proposed sampling plan is approved. You may proceed as instructed.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

**Nelson Velez** • Environmental Specialist - Adv  
Environmental Bureau | EMNRD - Oil Conservation Division  
1000 Rio Brazos Road | Aztec, NM 87410  
(505) 469-6146 | [nelson.velez@emnrd.nm.gov](mailto:nelson.velez@emnrd.nm.gov)  
<http://www.emnrd.nm.gov/oed>



---

**From:** Stuart Hyde <[shyde@ensolum.com](mailto:shyde@ensolum.com)>  
**Sent:** Tuesday, July 30, 2024 4:23 PM  
**To:** Velez, Nelson, EMNRD <[Nelson.Velez@emnrd.nm.gov](mailto:Nelson.Velez@emnrd.nm.gov)>  
**Cc:** Kate Kaufman <[kkaufman@hilcorp.com](mailto:kkaufman@hilcorp.com)>  
**Subject:** [EXTERNAL] Hilcorp Delhi Com 300 Sampling Plan

CAUTION: This email originated outside of our organization. Exercise caution prior to

clicking on links or opening attachments.

Nelson,

The Delhi Com 300 is the site I was referring to on the phone earlier. I wanted to follow up to make sure we are on the same page for closure sampling. As you can see in the photos, the release originated on the pad, ran down the hill in the wheel tracks and onto the access road. Again, two discrete samples were collected from the saturated soil, one from the pad and one from the road, where water pooled and soaked into the surface soils. Both samples indicated that TPH, BTEX, and chloride concentrations were all below the most stringent closure criteria/reclamation requirement.

Based on these results, we plan to submit a sampling notification and collect one 5-point composite from within the release footprint on well pad (around the pump jack) from depths between 0 and 6 inches (approximately depth of saturated soil). In addition, we will collect one additional discrete soil sample for delineation purposes just outside of the terminal end of the release on the roadway. This sample will also be collected from soil at a depth of 0 to 6 inches.

Please reach out with any questions or comments regarding this sampling plan. Thanks again for your assistance and talk to you soon.



**Stuart Hyde, PG**

(Licensed in WA/TX)

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](mailto:OCDOnline@state.nm.us)  
**To:** [Stuart Hyde](#)  
**Subject:** The Oil Conservation Division (OCD) has accepted the application, Application ID: 511547  
**Date:** Thursday, October 2, 2025 9:42:06 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#) nAPP2419831640.

The sampling event is expected to take place:

**When:** 10/07/2025 @ 10:00

**Where:** D-16-30N-08W 790 FNL 1165 FWL (36.816364,-107.68471)

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

**Additional Instructions:** Delhi Com 300 well pad, coordinates 36.81635, -107.68534

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

**From:** [Velez, Nelson, EMNRD](#)  
**To:** [Stuart Hyde](#)  
**Cc:** [Kate Kaufman](#); [Wes Weichert](#)  
**Subject:** Re: [EXTERNAL] Delhi Com 300 Delineation Sample Results  
**Date:** Wednesday, October 15, 2025 11:19:01 AM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[image003.png](#)  
[Outlook-psxuasfa.png](#)

---

[ \*\*EXTERNAL EMAIL\*\* ]

Good morning Stuart,

Thank you for the correspondence.

I do concur with the data provided.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

Regards,

**Nelson Velez** • Environmental Specialist - Adv  
Environmental Bureau | EMNRD - Oil Conservation Division  
1000 Rio Brazos Road | Aztec, NM 87410  
(505) 469-6146 | [nelson.velez@emnrd.nm.gov](mailto:nelson.velez@emnrd.nm.gov)  
<http://www.emnrd.nm.gov/oed>



---

**From:** Stuart Hyde <[shyde@ensolum.com](mailto:shyde@ensolum.com)>  
**Sent:** Thursday, October 9, 2025 2:24 PM  
**To:** Velez, Nelson, EMNRD <[Nelson.Velez@emnrd.nm.gov](mailto:Nelson.Velez@emnrd.nm.gov)>  
**Cc:** Kate Kaufman <[kkaufman@hilcorp.com](mailto:kkaufman@hilcorp.com)>; Wes Weichert <[wweichert@ensolum.com](mailto:wweichert@ensolum.com)>  
**Subject:** [EXTERNAL] Delhi Com 300 Delineation Sample Results

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

Nelson,

Ensolum conducted delineation sampling at the Delhi Com 300 site on October 7, 2025. As

discussed with you on September 11, delineation points were advanced in the locations shown on the attached figure with green dots representing lateral delineation points and the red dots representing locations within the release extent.

Chloride screening with Hach® chloride QuanTab® test strips was conducted by weighing out 25 grams of soil and placing in a jar with a water-tight screw top cap. A total of 100 milliliters of distilled water was added to the jar, preparing a 1 to 4 dilution. The mixture was agitated for approximately one minute and allowed to settle. The solution was drawn into a poly-syringe and injected through a 0.45-micron filter to remove any additional sediments in the solution and placed into a decontaminated glass jar for measurement. Based on anticipated concentrations, a low range (30 ppm to 600 ppm) titrator strip was placed into the jar and allowed to wick the solution per manufacturer directions. Results of the strip readings were multiplied by four due to the dilution and results are noted on Table 1.

Field screening for volatile organic contaminants (VOCs, including BTEX and total petroleum hydrocarbon constituents) was conducted using a photoionization detector (PID). Prior to screening, the PID was calibrated using 100 parts per million isobutylene. A new, labeled one-gallon resealable plastic bag was filled  $\frac{1}{4}$  to  $\frac{1}{2}$  full with soil and sealed leaving headspace for volatilization. Large clumps of soil were also broken into smaller pieces once sealed. The bag was kept out of direct sunlight where possible. Volatilization time was generally between 2 to 10 based on ambient air temperature (longer time when colder temperatures were encountered in the morning). Field screening was also performed prior to visible water vapor accumulating on the inside of the bag. To screen, the corner of the bag was opened only wide enough to insert the PID probe tip and filter into the bag, then resealed around the probe. Within 30 seconds of inserting the probe, the peak reading displayed on the PID was recorded in the field notes. PID results are also included in Table 1.

As presented in the table, PID and chloride field screening results collected on October 7, 2025, in conjunction with the laboratory analytical results gathered in 2024, indicate that constituents of concern are not present at the site in exceedance of the NMOCD Table I closure criteria.

If you concur, we will prepare the updated closure request and submit the final report through the portal. Thank you again for assisting us on this project and please reach out with any questions.



**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*



## APPENDIX C

# Laboratory Analytical Reports

---



Environment Testing

- 1
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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Kate Kaufman  
Hilcorp Energy  
PO BOX 4700  
Farmington, New Mexico 87499

Generated 7/23/2024 3:53:16 PM

## JOB DESCRIPTION

Delhi Com 300

## JOB NUMBER

885-7738-1

Eurofins Albuquerque  
4901 Hawkins NE  
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# 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



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Client: Hilcorp Energy  
Project/Site: Delhi Com 300

Laboratory Job ID: 885-7738-1

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Definitions/Glossary

Client: Hilcorp Energy  
Project/Site: Delhi Com 300

Job ID: 885-7738-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

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

## Case Narrative

Client: Hilcorp Energy  
Project: Delhi Com 300

Job ID: 885-7738-1

**Job ID: 885-7738-1**

**Eurofins Albuquerque**

### Job Narrative 885-7738-1

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 7/11/2024 6:25 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 4.8°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.

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Client Sample Results

Client: Hilcorp Energy  
Project/Site: Delhi Com 300

Job ID: 885-7738-1

Client Sample ID: GS-01  
Date Collected: 07/10/24 11:47  
Date Received: 07/11/24 06:25

Lab Sample ID: 885-7738-1  
Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		07/11/24 08:30	07/11/24 12:33		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	96		35 - 166			07/11/24 08:30	07/11/24 12:33		1
Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.024	mg/Kg		07/11/24 08:30	07/11/24 12:33		1
Ethylbenzene	ND		0.047	mg/Kg		07/11/24 08:30	07/11/24 12:33		1
Toluene	ND		0.047	mg/Kg		07/11/24 08:30	07/11/24 12:33		1
Xylenes, Total	ND		0.095	mg/Kg		07/11/24 08:30	07/11/24 12:33		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	90		48 - 145			07/11/24 08:30	07/11/24 12:33		1
Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		07/11/24 08:28	07/11/24 10:09		1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		07/11/24 08:28	07/11/24 10:09		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
Di-n-octyl phthalate (Surr)	86		62 - 134			07/11/24 08:28	07/11/24 10:09		1
Method: EPA 300.0 - Anions, Ion Chromatography									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	530		60	mg/Kg		07/11/24 10:42	07/11/24 12:45		20

Client Sample Results

Client: Hilcorp Energy  
Project/Site: Delhi Com 300

Job ID: 885-7738-1

Client Sample ID: GS-02

Lab Sample ID: 885-7738-2

Date Collected: 07/10/24 11:51

Matrix: Solid

Date Received: 07/11/24 06:25

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics [C6 - C10]	ND		3.6	mg/Kg		07/11/24 08:30	07/11/24 13:38	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	108		35 - 166			07/11/24 08:30	07/11/24 13:38	1	
Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.018	mg/Kg		07/11/24 08:30	07/11/24 13:38	1	
Ethylbenzene	ND		0.036	mg/Kg		07/11/24 08:30	07/11/24 13:38	1	
Toluene	ND		0.036	mg/Kg		07/11/24 08:30	07/11/24 13:38	1	
Xylenes, Total	ND		0.071	mg/Kg		07/11/24 08:30	07/11/24 13:38	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	92		48 - 145			07/11/24 08:30	07/11/24 13:38	1	
Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		07/11/24 08:28	07/11/24 10:20	1	
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		07/11/24 08:28	07/11/24 10:20	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
Di-n-octyl phthalate (Surr)	87		62 - 134			07/11/24 08:28	07/11/24 10:20	1	
Method: EPA 300.0 - Anions, Ion Chromatography									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	540		61	mg/Kg		07/11/24 10:42	07/11/24 12:58	20	

## QC Sample Results

Client: Hilcorp Energy  
Project/Site: Delhi Com 300

Job ID: 885-7738-1

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

Lab Sample ID: MB 885-8217/1-A

Matrix: Solid

Analysis Batch: 8271

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8217

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		07/11/24 08:30	07/11/24 12:11	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		35 - 166			07/11/24 08:30	07/11/24 12:11	1

Lab Sample ID: LCS 885-8217/2-A

Matrix: Solid

Analysis Batch: 8271

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8217

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	25.0	23.7		mg/Kg		95	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	208	S1+	35 - 166				

Lab Sample ID: 885-7738-1 MS

Matrix: Solid

Analysis Batch: 8271

Client Sample ID: GS-01

Prep Type: Total/NA

Prep Batch: 8217

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	ND		23.7	21.6		mg/Kg		91	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	199	S1+	35 - 166						

Lab Sample ID: 885-7738-1 MSD

Matrix: Solid

Analysis Batch: 8271

Client Sample ID: GS-01

Prep Type: Total/NA

Prep Batch: 8217

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	ND		23.7	21.7		mg/Kg		92	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	200	S1+	35 - 166								

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

Lab Sample ID: MB 885-8217/1-A

Matrix: Solid

Analysis Batch: 8272

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8217

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		07/11/24 08:30	07/11/24 12:11	1
Ethylbenzene	ND		0.050	mg/Kg		07/11/24 08:30	07/11/24 12:11	1
Toluene	ND		0.050	mg/Kg		07/11/24 08:30	07/11/24 12:11	1

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## QC Sample Results

Client: Hilcorp Energy  
Project/Site: Delhi Com 300

Job ID: 885-7738-1

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

Lab Sample ID: MB 885-8217/1-A

Matrix: Solid

Analysis Batch: 8272

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8217

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.10	mg/Kg		07/11/24 08:30	07/11/24 12:11	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		48 - 145			07/11/24 08:30	07/11/24 12:11	1

Lab Sample ID: LCS 885-8217/3-A

Matrix: Solid

Analysis Batch: 8272

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8217

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.960		mg/Kg		96	70 - 130
Ethylbenzene	1.00	0.961		mg/Kg		96	70 - 130
m&p-Xylene	2.00	1.90		mg/Kg		95	70 - 130
o-Xylene	1.00	0.962		mg/Kg		96	70 - 130
Toluene	1.00	0.951		mg/Kg		95	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	95		48 - 145				

Lab Sample ID: 885-7738-2 MS

Matrix: Solid

Analysis Batch: 8272

Client Sample ID: GS-02

Prep Type: Total/NA

Prep Batch: 8217

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		0.712	0.595		mg/Kg		84	70 - 130
Ethylbenzene	ND		0.712	0.618		mg/Kg		87	70 - 130
m&p-Xylene	ND		1.42	1.23		mg/Kg		87	70 - 130
o-Xylene	ND		0.712	0.616		mg/Kg		87	70 - 130
Toluene	ND		0.712	0.608		mg/Kg		85	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	89		48 - 145						

Lab Sample ID: 885-7738-2 MSD

Matrix: Solid

Analysis Batch: 8272

Client Sample ID: GS-02

Prep Type: Total/NA

Prep Batch: 8217

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.712	0.598		mg/Kg		84	70 - 130	0	20
Ethylbenzene	ND		0.712	0.619		mg/Kg		87	70 - 130	0	20
m&p-Xylene	ND		1.42	1.23		mg/Kg		87	70 - 130	0	20
o-Xylene	ND		0.712	0.623		mg/Kg		88	70 - 130	1	20
Toluene	ND		0.712	0.608		mg/Kg		85	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	88		48 - 145								

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QC Sample Results

Client: Hilcorp Energy  
Project/Site: Delhi Com 300

Job ID: 885-7738-1

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

Lab Sample ID: MB 885-8216/1-A						Client Sample ID: Method Blank			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 8225						Prep Batch: 8216			
Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		07/11/24 08:28	07/11/24 09:47	1	
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		07/11/24 08:28	07/11/24 09:47	1	
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac	
Di-n-octyl phthalate (Surr)	83		62 - 134			07/11/24 08:28	07/11/24 09:47	1	

Lab Sample ID: LCS 885-8216/2-A						Client Sample ID: Lab Control Sample			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 8225						Prep Batch: 8216			
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]			50.0	46.9		mg/Kg		94	60 - 135
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
Di-n-octyl phthalate (Surr)	89		62 - 134						

Lab Sample ID: 885-7738-2 MS						Client Sample ID: GS-02			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 8225						Prep Batch: 8216			
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND		48.8	45.0		mg/Kg		92	44 - 136
Surrogate	MS %Recovery	MS Qualifier	Limits						
Di-n-octyl phthalate (Surr)	90		62 - 134						

Lab Sample ID: 885-7738-2 MSD									Client Sample ID: GS-02		
Matrix: Solid									Prep Type: Total/NA		
Analysis Batch: 8225									Prep Batch: 8216		
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		47.8	43.5		mg/Kg		91	44 - 136	3	32
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Di-n-octyl phthalate (Surr)	90		62 - 134								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-8233/2-A						Client Sample ID: Method Blank			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 8273						Prep Batch: 8233			
Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	ND		3.0	mg/Kg		07/11/24 10:42	07/11/24 12:06	1	

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QC Sample Results

Client: Hilcorp Energy  
Project/Site: Delhi Com 300

Job ID: 885-7738-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-8233/3-A				Client Sample ID: Lab Control Sample			
Matrix: Solid				Prep Type: Total/NA			
Analysis Batch: 8273				Prep Batch: 8233			
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	31.2		mg/Kg		104	90 - 110

Lab Sample ID: MRL 885-8233/1-A				Client Sample ID: Lab Control Sample			
Matrix: Solid				Prep Type: Total/NA			
Analysis Batch: 8273				Prep Batch: 8233			
Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3.00	3.30		mg/L		110	50 - 150

QC Association Summary

Client: Hilcorp Energy  
Project/Site: Delhi Com 300

Job ID: 885-7738-1

GC VOA

Prep Batch: 8217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7738-1	GS-01	Total/NA	Solid	5035	
885-7738-2	GS-02	Total/NA	Solid	5035	
MB 885-8217/1-A	Method Blank	Total/NA	Solid	5035	
LCS 885-8217/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 885-8217/3-A	Lab Control Sample	Total/NA	Solid	5035	
885-7738-1 MS	GS-01	Total/NA	Solid	5035	
885-7738-1 MSD	GS-01	Total/NA	Solid	5035	
885-7738-2 MS	GS-02	Total/NA	Solid	5035	
885-7738-2 MSD	GS-02	Total/NA	Solid	5035	

Analysis Batch: 8271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7738-1	GS-01	Total/NA	Solid	8015M/D	8217
885-7738-2	GS-02	Total/NA	Solid	8015M/D	8217
MB 885-8217/1-A	Method Blank	Total/NA	Solid	8015M/D	8217
LCS 885-8217/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	8217
885-7738-1 MS	GS-01	Total/NA	Solid	8015M/D	8217
885-7738-1 MSD	GS-01	Total/NA	Solid	8015M/D	8217

Analysis Batch: 8272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7738-1	GS-01	Total/NA	Solid	8021B	8217
885-7738-2	GS-02	Total/NA	Solid	8021B	8217
MB 885-8217/1-A	Method Blank	Total/NA	Solid	8021B	8217
LCS 885-8217/3-A	Lab Control Sample	Total/NA	Solid	8021B	8217
885-7738-2 MS	GS-02	Total/NA	Solid	8021B	8217
885-7738-2 MSD	GS-02	Total/NA	Solid	8021B	8217

GC Semi VOA

Prep Batch: 8216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7738-1	GS-01	Total/NA	Solid	SHAKE	
885-7738-2	GS-02	Total/NA	Solid	SHAKE	
MB 885-8216/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-8216/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-7738-2 MS	GS-02	Total/NA	Solid	SHAKE	
885-7738-2 MSD	GS-02	Total/NA	Solid	SHAKE	

Analysis Batch: 8225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7738-1	GS-01	Total/NA	Solid	8015M/D	8216
885-7738-2	GS-02	Total/NA	Solid	8015M/D	8216
MB 885-8216/1-A	Method Blank	Total/NA	Solid	8015M/D	8216
LCS 885-8216/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	8216
885-7738-2 MS	GS-02	Total/NA	Solid	8015M/D	8216
885-7738-2 MSD	GS-02	Total/NA	Solid	8015M/D	8216

QC Association Summary

Client: Hilcorp Energy  
Project/Site: Delhi Com 300

Job ID: 885-7738-1

HPLC/IC

Prep Batch: 8233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7738-1	GS-01	Total/NA	Solid	300_Prep	
885-7738-2	GS-02	Total/NA	Solid	300_Prep	
MB 885-8233/2-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-8233/3-A	Lab Control Sample	Total/NA	Solid	300_Prep	
MRL 885-8233/1-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 8273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7738-1	GS-01	Total/NA	Solid	300.0	8233
885-7738-2	GS-02	Total/NA	Solid	300.0	8233
MB 885-8233/2-A	Method Blank	Total/NA	Solid	300.0	8233
LCS 885-8233/3-A	Lab Control Sample	Total/NA	Solid	300.0	8233
MRL 885-8233/1-A	Lab Control Sample	Total/NA	Solid	300.0	8233

Lab Chronicle

Client: Hilcorp Energy  
Project/Site: Delhi Com 300

Job ID: 885-7738-1

Client Sample ID: GS-01  
Date Collected: 07/10/24 11:47  
Date Received: 07/11/24 06:25

Lab Sample ID: 885-7738-1  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			8217	AT	EET ALB	07/11/24 08:30
Total/NA	Analysis	8015M/D		1	8271	RA	EET ALB	07/11/24 12:33
Total/NA	Prep	5035			8217	AT	EET ALB	07/11/24 08:30
Total/NA	Analysis	8021B		1	8272	RA	EET ALB	07/11/24 12:33
Total/NA	Prep	SHAKE			8216	KR	EET ALB	07/11/24 08:28
Total/NA	Analysis	8015M/D		1	8225	KR	EET ALB	07/11/24 10:09
Total/NA	Prep	300_Prep			8233	RC	EET ALB	07/11/24 10:42
Total/NA	Analysis	300.0		20	8273	JT	EET ALB	07/11/24 12:45

Client Sample ID: GS-02  
Date Collected: 07/10/24 11:51  
Date Received: 07/11/24 06:25

Lab Sample ID: 885-7738-2  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			8217	AT	EET ALB	07/11/24 08:30
Total/NA	Analysis	8015M/D		1	8271	RA	EET ALB	07/11/24 13:38
Total/NA	Prep	5035			8217	AT	EET ALB	07/11/24 08:30
Total/NA	Analysis	8021B		1	8272	RA	EET ALB	07/11/24 13:38
Total/NA	Prep	SHAKE			8216	KR	EET ALB	07/11/24 08:28
Total/NA	Analysis	8015M/D		1	8225	KR	EET ALB	07/11/24 10:20
Total/NA	Prep	300_Prep			8233	RC	EET ALB	07/11/24 10:42
Total/NA	Analysis	300.0		20	8273	JT	EET ALB	07/11/24 12:58

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

Accreditation/Certification Summary

Client: Hilcorp Energy  
Project/Site: Delhi Com 300

Job ID: 885-7738-1

Laboratory: Eurofins Albuquerque

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

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
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
Oregon	NELAP	NM100001	02-26-25

Released to Imaging: 12/22/2025 10:00:45 AM

☐ EDD (Type) \_\_\_\_\_

HEAL No

Received by: Via: runner Date: 7/11/24 Time: 12:25

885-7738 COC

1000000

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

## Login Sample Receipt Checklist

Client: Hilcorp Energy

Job Number: 885-7738-1

Login Number: 7738

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Kate Kaufman  
Hilcorp Energy  
PO BOX 4700

Farmington, New Mexico 87499

Generated 8/14/2024 10:52:06 AM Revision 1

## JOB DESCRIPTION

Delhi Com 300

## JOB NUMBER

885-9423-1

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



Authorized for release by  
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(505)345-3975

Generated  
8/14/2024 10:52:06 AM  
Revision 1

Client: Hilcorp Energy  
Project/Site: Delhi Com 300

Laboratory Job ID: 885-9423-1

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## Definitions/Glossary

Client: Hilcorp Energy  
Project/Site: Delhi Com 300

Job ID: 885-9423-1

## Glossary

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

Eurofins Albuquerque

Case Narrative

Client: Hilcorp Energy  
Project: Delhi Com 300

Job ID: 885-9423-1

Job ID: 885-9423-1

Eurofins Albuquerque

Job Narrative  
885-9423-1

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 8/8/2024 6:30 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 3.5°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

Client Sample Results

Client: Hilcorp Energy  
Project/Site: Delhi Com 300

Job ID: 885-9423-1

Client Sample ID: SS01  
Date Collected: 08/07/24 11:10  
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9423-1  
Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		08/08/24 15:16	08/12/24 17:53	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	109		35 - 166			08/08/24 15:16	08/12/24 17:53	1	
Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.024	mg/Kg		08/08/24 15:16	08/12/24 17:53	1	
Ethylbenzene	ND		0.048	mg/Kg		08/08/24 15:16	08/12/24 17:53	1	
Toluene	ND		0.048	mg/Kg		08/08/24 15:16	08/12/24 17:53	1	
Xylenes, Total	ND		0.095	mg/Kg		08/08/24 15:16	08/12/24 17:53	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	101		48 - 145			08/08/24 15:16	08/12/24 17:53	1	
Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Diesel Range Organics [C10-C28]	22		9.9	mg/Kg		08/09/24 11:42	08/09/24 17:19	1	
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/09/24 11:42	08/09/24 17:19	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
Di-n-octyl phthalate (Surr)	124		62 - 134			08/09/24 11:42	08/09/24 17:19	1	
Method: EPA 300.0 - Anions, Ion Chromatography									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	270		60	mg/Kg		08/09/24 12:49	08/09/24 19:39	20	

Client Sample Results

Client: Hilcorp Energy  
Project/Site: Delhi Com 300

Job ID: 885-9423-1

Client Sample ID: SS02  
Date Collected: 08/07/24 11:15  
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9423-2  
Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		08/08/24 15:16	08/12/24 18:15	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	105		35 - 166			08/08/24 15:16	08/12/24 18:15	1	
Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.023	mg/Kg		08/08/24 15:16	08/12/24 18:15	1	
Ethylbenzene	ND		0.047	mg/Kg		08/08/24 15:16	08/12/24 18:15	1	
Toluene	ND		0.047	mg/Kg		08/08/24 15:16	08/12/24 18:15	1	
Xylenes, Total	ND		0.093	mg/Kg		08/08/24 15:16	08/12/24 18:15	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	98		48 - 145			08/08/24 15:16	08/12/24 18:15	1	
Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		08/09/24 11:42	08/09/24 17:32	1	
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/09/24 11:42	08/09/24 17:32	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
Di-n-octyl phthalate (Surr)	123		62 - 134			08/09/24 11:42	08/09/24 17:32	1	
Method: EPA 300.0 - Anions, Ion Chromatography									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	ND		60	mg/Kg		08/09/24 15:31	08/09/24 19:32	20	

## QC Sample Results

Client: Hilcorp Energy  
Project/Site: Delhi Com 300

Job ID: 885-9423-1

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

Lab Sample ID: MB 885-9967/1-A

Matrix: Solid

Analysis Batch: 10126

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9967

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		08/08/24 15:16	08/12/24 14:13	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			08/08/24 15:16	08/12/24 14:13	1

Lab Sample ID: LCS 885-9967/2-A

Matrix: Solid

Analysis Batch: 10126

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9967

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	25.0	26.7		mg/Kg		107	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	215		35 - 166				

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

Lab Sample ID: MB 885-9967/1-A

Matrix: Solid

Analysis Batch: 10127

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9967

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/08/24 15:16	08/12/24 14:13	1
Ethylbenzene	ND		0.050	mg/Kg		08/08/24 15:16	08/12/24 14:13	1
Toluene	ND		0.050	mg/Kg		08/08/24 15:16	08/12/24 14:13	1
Xylenes, Total	ND		0.10	mg/Kg		08/08/24 15:16	08/12/24 14:13	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		48 - 145			08/08/24 15:16	08/12/24 14:13	1

Lab Sample ID: LCS 885-9967/3-A

Matrix: Solid

Analysis Batch: 10127

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9967

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	1.01		mg/Kg		101	70 - 130
Ethylbenzene	1.00	1.01		mg/Kg		101	70 - 130
m&p-Xylene	2.00	2.00		mg/Kg		100	70 - 130
o-Xylene	1.00	0.994		mg/Kg		99	70 - 130
Toluene	1.00	1.00		mg/Kg		100	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	103		48 - 145				

Eurofins Albuquerque

## QC Sample Results

Client: Hilcorp Energy  
Project/Site: Delhi Com 300

Job ID: 885-9423-1

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

Lab Sample ID: MB 885-10000/1-A

Matrix: Solid

Analysis Batch: 9998

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 10000

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		08/09/24 11:42	08/09/24 14:29	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/09/24 11:42	08/09/24 14:29	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	100		62 - 134			08/09/24 11:42	08/09/24 14:29	1

Lab Sample ID: LCS 885-10000/2-A

Matrix: Solid

Analysis Batch: 9998

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 10000

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	61.3		mg/Kg		123	60 - 135
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	95		62 - 134				

Lab Sample ID: 885-9423-2 MS

Matrix: Solid

Analysis Batch: 9998

Client Sample ID: SS02

Prep Type: Total/NA

Prep Batch: 10000

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND		48.0	36.2		mg/Kg		75	44 - 136
Surrogate	MS %Recovery	MS Qualifier	Limits						
Di-n-octyl phthalate (Surr)	92		62 - 134						

Lab Sample ID: 885-9423-2 MSD

Matrix: Solid

Analysis Batch: 9998

Client Sample ID: SS02

Prep Type: Total/NA

Prep Batch: 10000

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		48.4	41.3		mg/Kg		85	44 - 136	13	32
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Di-n-octyl phthalate (Surr)	94		62 - 134								

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-10037/34

Matrix: Solid

Analysis Batch: 10037

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	mg/Kg			08/09/24 20:04	1

Eurofins Albuquerque

## QC Sample Results

Client: Hilcorp Energy  
Project/Site: Delhi Com 300

Job ID: 885-9423-1

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MRL 885-10037/33

Matrix: Solid

Analysis Batch: 10037

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.536		mg/L		107	50 - 150

Lab Sample ID: MB 885-9985/1-A

Matrix: Solid

Analysis Batch: 10037

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9985

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.5	mg/Kg		08/09/24 09:54	08/09/24 14:06	1

Lab Sample ID: LCS 885-9985/2-A

Matrix: Solid

Analysis Batch: 10037

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9985

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	15.0	14.1		mg/Kg		94	90 - 110

Lab Sample ID: MB 885-9999/1-A

Matrix: Solid

Analysis Batch: 10026

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9999

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		08/09/24 11:18	08/09/24 12:40	1

Lab Sample ID: LCS 885-9999/2-A

Matrix: Solid

Analysis Batch: 10026

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9999

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	31.7		mg/Kg		106	90 - 110

Eurofins Albuquerque

## QC Association Summary

Client: Hilcorp Energy  
Project/Site: Delhi Com 300

Job ID: 885-9423-1

## GC VOA

## Prep Batch: 9967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9423-1	SS01	Total/NA	Solid	5030C	
885-9423-2	SS02	Total/NA	Solid	5030C	
MB 885-9967/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-9967/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-9967/3-A	Lab Control Sample	Total/NA	Solid	5030C	

## Analysis Batch: 10126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9423-1	SS01	Total/NA	Solid	8015M/D	9967
885-9423-2	SS02	Total/NA	Solid	8015M/D	9967
MB 885-9967/1-A	Method Blank	Total/NA	Solid	8015M/D	9967
LCS 885-9967/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	9967

## Analysis Batch: 10127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9423-1	SS01	Total/NA	Solid	8021B	9967
885-9423-2	SS02	Total/NA	Solid	8021B	9967
MB 885-9967/1-A	Method Blank	Total/NA	Solid	8021B	9967
LCS 885-9967/3-A	Lab Control Sample	Total/NA	Solid	8021B	9967

## GC Semi VOA

## Analysis Batch: 9998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9423-1	SS01	Total/NA	Solid	8015M/D	10000
885-9423-2	SS02	Total/NA	Solid	8015M/D	10000
MB 885-10000/1-A	Method Blank	Total/NA	Solid	8015M/D	10000
LCS 885-10000/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	10000
885-9423-2 MS	SS02	Total/NA	Solid	8015M/D	10000
885-9423-2 MSD	SS02	Total/NA	Solid	8015M/D	10000

## Prep Batch: 10000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9423-1	SS01	Total/NA	Solid	SHAKE	
885-9423-2	SS02	Total/NA	Solid	SHAKE	
MB 885-10000/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-10000/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-9423-2 MS	SS02	Total/NA	Solid	SHAKE	
885-9423-2 MSD	SS02	Total/NA	Solid	SHAKE	

## HPLC/IC

## Prep Batch: 9985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9423-1	SS01	Total/NA	Solid	300_Prep	
MB 885-9985/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-9985/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

## Prep Batch: 9999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9423-2	SS02	Total/NA	Solid	300_Prep	
MB 885-9999/1-A	Method Blank	Total/NA	Solid	300_Prep	

Eurofins Albuquerque

QC Association Summary

Client: Hilcorp Energy  
Project/Site: Delhi Com 300

Job ID: 885-9423-1

HPLC/IC (Continued)

Prep Batch: 9999 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-9999/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 10026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9423-2	SS02	Total/NA	Solid	300.0	9999
MB 885-9999/1-A	Method Blank	Total/NA	Solid	300.0	9999
LCS 885-9999/2-A	Lab Control Sample	Total/NA	Solid	300.0	9999

Analysis Batch: 10037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9423-1	SS01	Total/NA	Solid	300.0	9985
MB 885-10037/34	Method Blank	Total/NA	Solid	300.0	
MB 885-9985/1-A	Method Blank	Total/NA	Solid	300.0	9985
LCS 885-9985/2-A	Lab Control Sample	Total/NA	Solid	300.0	9985
MRL 885-10037/33	Lab Control Sample	Total/NA	Solid	300.0	

Lab Chronicle

Client: Hilcorp Energy  
Project/Site: Delhi Com 300

Job ID: 885-9423-1

Client Sample ID: SS01  
Date Collected: 08/07/24 11:10  
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9423-1  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9967	JP	EET ALB	08/08/24 15:16
Total/NA	Analysis	8015M/D		1	10126	AT	EET ALB	08/12/24 17:53
Total/NA	Prep	5030C			9967	JP	EET ALB	08/08/24 15:16
Total/NA	Analysis	8021B		1	10127	AT	EET ALB	08/12/24 17:53
Total/NA	Prep	SHAKE			10000	KR	EET ALB	08/09/24 11:42
Total/NA	Analysis	8015M/D		1	9998	KR	EET ALB	08/09/24 17:19
Total/NA	Prep	300_Prep			9985	EH	EET ALB	08/09/24 12:49
Total/NA	Analysis	300.0		20	10037	JT	EET ALB	08/09/24 19:39

Client Sample ID: SS02  
Date Collected: 08/07/24 11:15  
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9423-2  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9967	JP	EET ALB	08/08/24 15:16
Total/NA	Analysis	8015M/D		1	10126	AT	EET ALB	08/12/24 18:15
Total/NA	Prep	5030C			9967	JP	EET ALB	08/08/24 15:16
Total/NA	Analysis	8021B		1	10127	AT	EET ALB	08/12/24 18:15
Total/NA	Prep	SHAKE			10000	KR	EET ALB	08/09/24 11:42
Total/NA	Analysis	8015M/D		1	9998	KR	EET ALB	08/09/24 17:32
Total/NA	Prep	300_Prep			9999	EH	EET ALB	08/09/24 15:31
Total/NA	Analysis	300.0		20	10026	RC	EET ALB	08/09/24 19:32

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

Accreditation/Certification Summary

Client: Hilcorp Energy  
Project/Site: Delhi Com 300

Job ID: 885-9423-1

Laboratory: Eurofins Albuquerque

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

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0	300_Prep	Solid	Chloride
8015M/D	5030C	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	5030C	Solid	Benzene
8021B	5030C	Solid	Ethylbenzene
8021B	5030C	Solid	Toluene
8021B	5030C	Solid	Xylenes, Total
Oregon	NELAP	NM100001	02-26-25



## Login Sample Receipt Checklist

Client: Hilcorp Energy

Job Number: 885-9423-1

Login Number: 9423

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	








## APPENDIX D

### Photographic Log

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		<b>Photographic Log</b> Hilcorp Energy Company Delhi Com 300 San Juan County, New Mexico	
			
Photograph: 1 Description: Release Source - Pump Jack View: South	Date: 7/10/2024	Photograph: 2 Description: Release Source - Pump Jack View: Southwest	Date: 7/10/2024
			
Photograph: 3 Description: View of spill terminus View: East	Date: 7/10/2024	Photograph: 4 Description: Spill source from distal end View: North	Date: 7/10/2024

		<b>Photographic Log</b> Hilcorp Energy Company Delhi Com 300 San Juan County, New Mexico	
			
Photograph: 5 Description: View of spill terminus View: East	Date: 7/10/2024	Photograph: 6 Description: Resampled Release Source View: Southwest	Date: 8/7/2024
			
Photograph: 7 Description: View of spill terminus View: East	Date: 8/7/2024	Photograph: 8 Description: Spill source from distal end View: North	Date: 8/7/2024

		<b>Photographic Log</b> Hilcorp Energy Company Delhi Com 300 San Juan County, New Mexico	
			
Photograph: 9 Description: Delineation points SS02 View: East	Date: 8/7/2024	Photograph: 10 Description: Delineation points SS02 View: North	Date: 8/7/2024
			
Photograph: 11 Description: Hand auger location BH01 View: South	Date: 10/7/2025	Photograph: 12 Description: Hand auger location BH02 View: Northwest	Date: 10/7/2025



**Photographic Log**  
Hilcorp Energy Company  
Delhi Com 300  
San Juan County, New Mexico



Photograph: 13 Date: 10/7/2025  
Description: Hand auger location BH03  
View: North



Photograph: 14 Date: 10/7/2025  
Description: Hand auger location BH04  
View: North



Photograph: 15 Date: 10/7/2025  
Description: Hand auger location BH05  
View: North



Photograph: 16 Date: 10/7/2025  
Description: Hand auger location BH06  
View: North



**Photographic Log**  
Hilcorp Energy Company  
Delhi Com 300  
San Juan County, New Mexico



Photograph: 17 Date: 10/7/2025  
Description: Hand auger location BH08  
View: Northwest



Photograph: 18 Date: 10/7/2025  
Description: Hand auger location BH09  
View: Northwest



Photograph: 19 Date: 10/7/2025  
Description: Hand auger location BH10  
View: Northwest

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1220 S. St Francis Dr.  
Santa Fe, NM 87505

QUESTIONS

Action 520805

QUESTIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 520805
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2419831640
Incident Name	NAPP2419831640 DELHI COM 300 @ 30-045-27071
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-045-27071] DELHI COM #300

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	DELHI COM 300
Date Release Discovered	07/10/2024
Surface Owner	State

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water 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

<b>Nature and Volume of Release</b>	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Other (Specify)   Produced Water   Released: 18 BBL   Recovered: 8 BBL   Lost: 10 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
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)	Packing in stuffing box failed, causing release.

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QUESTIONS, Page 2

Action 520805

**QUESTIONS (continued)**

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 520805
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
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. 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 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	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 10/28/2025
--	--

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QUESTIONS, Page 3

Action 520805

**QUESTIONS (continued)**

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 520805
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Site Characterization</b>	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Attached Document
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (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 ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between ½ and 1 (mi.)
A wetland	Between 500 and 1000 (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 1000 (ft.) and ½ (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

<b>Remediation Plan</b>	
<i>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.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating 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.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	540
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	22
GRO+DRO (EPA SW-846 Method 8015M)	22
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>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>	
On what estimated date will the remediation commence	07/10/2024
On what date will (or did) the final sampling or liner inspection occur	10/07/2025
On what date will (or was) the remediation complete(d)	10/07/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	0
<i>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.</i>	
<i>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.</i>	

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QUESTIONS, Page 4

Action 520805

**QUESTIONS (continued)**

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 520805
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>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.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	<i>Not answered.</i>
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	<i>Not answered.</i>
(In Situ) Soil Vapor Extraction	<i>Not answered.</i>
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<i>Not answered.</i>
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<i>Not answered.</i>
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<i>Not answered.</i>
Ground Water Abatement pursuant to 19.15.30 NMAC	<i>Not answered.</i>
OTHER (Non-listed remedial process)	<b>Yes</b>
Other Non-listed Remedial Process. Please specify	<b>No remediation needed</b>
<i>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>	
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.	
I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 10/28/2025
<i>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.</i>	

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QUESTIONS, Page 5

Action 520805

**QUESTIONS (continued)**

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 520805
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Deferral Requests Only</b>	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 520805

**QUESTIONS (continued)**

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 520805
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	511547
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/07/2025
What was the (estimated) number of samples that were to be gathered	20
What was the sampling surface area in square feet	1000

**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.

I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 10/28/2025
--	--

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QUESTIONS, Page 7

Action 520805

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 520805
	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

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CONDITIONS

Action 520805

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 520805
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	12/22/2025