



April 13, 2026

New Mexico Oil Conservation Division

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

Re: Remediation Report and Closure Request

Crandell #003
Hilcorp Energy Company
NMOCD Incident No: nAPP2533424802

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Hilcorp Energy Company (Hilcorp), presents this *Remediation Report and Closure Request* for a release at the Crandell #003 natural gas production well (Site). The Site is located on Federal surface, managed by the Bureau of Land Management (BLM) in Unit C, Section 35, Township 31 North, Range 12 West, in San Juan County, New Mexico, (Figure 1). This report describes the excavation and confirmation soil sampling activities performed at the Site to remediate impacted soil originating from the release.

SITE BACKGROUND

On November 25, 2025, Hilcorp personnel discovered a release of approximately 19.8 barrels (bbls), consisting of 11.6 bbls of condensate and 8.2 bbls of produced water, at the Site. The release was identified during routine operations when a hole was observed approximately 4 inches above the bottom of a condensate storage tank. The failure was attributed to corrosion. Upon discovery, the operator immediately shut in the Site, secured the storage tank, and initiated fluid recovery efforts by mobilizing a water truck to remove remaining fluids from the tank. A third-party hauler was also dispatched the same day to assist with fluid removal below the load line. Released fluids remained within the secondary containment; however, no free fluids were recovered from the ground surface, and all released fluids infiltrated into the underlying soils beneath the storage tank.

Hilcorp notified the BLM and submitted the Notification of Release to the New Mexico Oil Conservation Division (NMOCD) on November 30, 2025. The Site was assigned Incident Number nAPP2533424802 by the NMOCD.

SITE CHARACTERIZATION

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). This information is further discussed below.

GEOLOGY AND HYDROGEOLOGY

The Site is located within the Nacimiento Geologic Formation. In the report titled “*Hydrogeology and Water Resources of San Juan Basin, New Mexico*” (Stone, et. al., 1983), the Nacimiento Formation is characterized by interbedded black carbonaceous mudstones and white, coarse-grained sandstones, which ranges in thickness from 418 feet to 2,232 feet. The hydrogeologic properties of the Nacimiento Formation display variable hydrogeologic properties 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).

POTENTIAL SENSITIVE RECEPTORS

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

The nearest significant watercourse to the Site is a dry wash located approximately 366 feet west of the well pad. The nearest fresh water well is NMOSE permitted well SJ-02021 (Appendix A), located approximately 5,848 feet southeast of the Site with a recorded depth to water of 250 feet below ground surface (bgs). The Site is greater than 200 feet from any lakebed, sinkhole, or playa lake, and within 300 feet from any wetland. No wellhead protection areas, springs, or domestic/stock wells are located within a ½-mile 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 BLM). Schools, hospitals, institutions, churches, and/or other occupied permanent residence or structures are not located within 300 feet of the Site. A Site receptor map is shown on Figure 1.

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): 100 mg/kg
- Chloride: 600 mg/kg

DELINEATION AND SOIL SAMPLING ACTIVITIES

Upon discovery of the release, Hilcorp retained Ensolum to conduct pothole delineation activities on December 17, 2025. A total of six potholes (PH01 through PH06) were advanced at the Site to depths of up to 8 feet bgs (Figure 2). Potholes PH01 through PH03 were advanced within the containment area (source of the release) to assess soils with the highest potential for impact. Potholes PH04 through PH06 were advanced outside of containment to field screen and delineate the lateral and vertical extent of potential impacts.

During delineation activities, Ensolum personnel logged soil lithology and field screened for the presence of volatile organic compounds (VOCs) using a calibrated photoionization detector (PID) and chloride using Hach® QuanTab® chloride test strips. Soil descriptions and field screening

results were noted in the field book. Photographs taken during delineation activities are provided in Appendix B. PID field screening results are included in Table 1.

Two soil samples were collected from each pothole in order to delineate the vertical impacts at the Site: one at the depth interval indicating the greatest VOC concentration based on PID field screening results and a second soil sample collected at the terminus of each pothole. Soil samples were collected directly into laboratory-provided jars and immediately placed on ice. Samples were submitted to Eurofins Environment Testing for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B, TPH following Method 8015M/D, and chloride following EPA Method 300.0.

In general, Site lithology consisted of brown sand with gravel to the terminal depths of each pothole. Based on laboratory analytical results, total BTEX and TPH concentrations exceeding NMOCD Closure Criteria were identified in pothole PH03. At 6 feet bgs, total BTEX (126 mg/kg) exceeded the Closure Criteria, and total TPH was reported at 2,530 mg/kg, exceeding the Closure Criteria. At 8 feet bgs, total BTEX concentrations were below applicable Closure Criteria; however, total TPH remained above the applicable Closure Criteria, with a reported concentration of 110 mg/kg. All other samples collected at the Site indicated BTEX, TPH, and chloride concentrations were either not detected above laboratory reporting limits or were below applicable NMOCD Closure Criteria. A summary of analytical results is provided in Table 1. The locations of the potholes are depicted on Figure 2. Complete laboratory analytical reports are included in Appendix C.

EXCAVATION SOIL SAMPLING ACTIVITIES

Based on the delineation sampling activities described above, Hilcorp proposed excavation of impacted soil at the Site for off-site disposal at the Envirotech Landfarm in San Juan County, New Mexico. Excavation activities were conducted on March 4, 2026. Notification was provided to the NMOCD at least two business days prior to remediation and sampling activities (Appendix D). To direct excavation activities, Ensolum personnel field screened soil for VOCs using a calibrated PID.

Once field screening indicated impacted soil had been removed, five-point composite soil samples were collected from the excavation floor (FS01 through FS05) and sidewalls (SW01 through SW05) at a frequency of one sample per 200 square feet. Floor samples were collected at a depth of 8 feet bgs, and sidewall samples were collected from ground surface to 8 feet bgs. Each five-point composite sample was collected by combining equal aliquots of soil into a resealable plastic bag and homogenizing thoroughly. Homogenized samples were then transferred into laboratory-provided containers and transported under proper chain-of-custody procedures to Eurofins for analysis of TPH, BTEX, and chloride using the methods described above.

Analytical results from excavation confirmation sampling indicated concentrations of BTEX, TPH, and chloride were compliant with NMOCD Table I Closure Criteria and applicable reclamation requirements in all samples. The excavation footprint measured approximately 250 square feet, with an estimated 140 cubic yards of impacted soil removed and transported to the Envirotech Landfarm in San Juan County, New Mexico. Photographs documenting excavation activities are provided in Appendix C. Confirmation soil analytical results are summarized in Table 2, with complete laboratory analytical reports included in Appendix D.

CLOSURE REQUEST

Excavation and confirmation sampling activities were conducted at the Site to address a release discovered on November 25, 2025. Laboratory analytical results from confirmation soil samples collected from the final excavation extent indicated all COC concentrations were compliant with

applicable Site Closure Criteria and reclamation requirements. Based on these results, no further remedial action is warranted.

Excavation of impacted soil has effectively mitigated Site impacts and is protective of human health, the environment, and groundwater. Accordingly, Hilcorp respectfully requests closure of Incident Number nAPP2533424802.

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

Sincerely,
Ensolum, LLC



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Senior Geologist
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shyde@ensolum.com

Attachments:

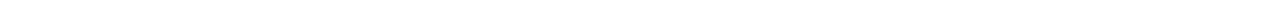
- Figure 1: Site Receptor Map
- Figure 2: Delineation Soil Sample Locations
- Figure 3: Excavation Soil Sample Locations

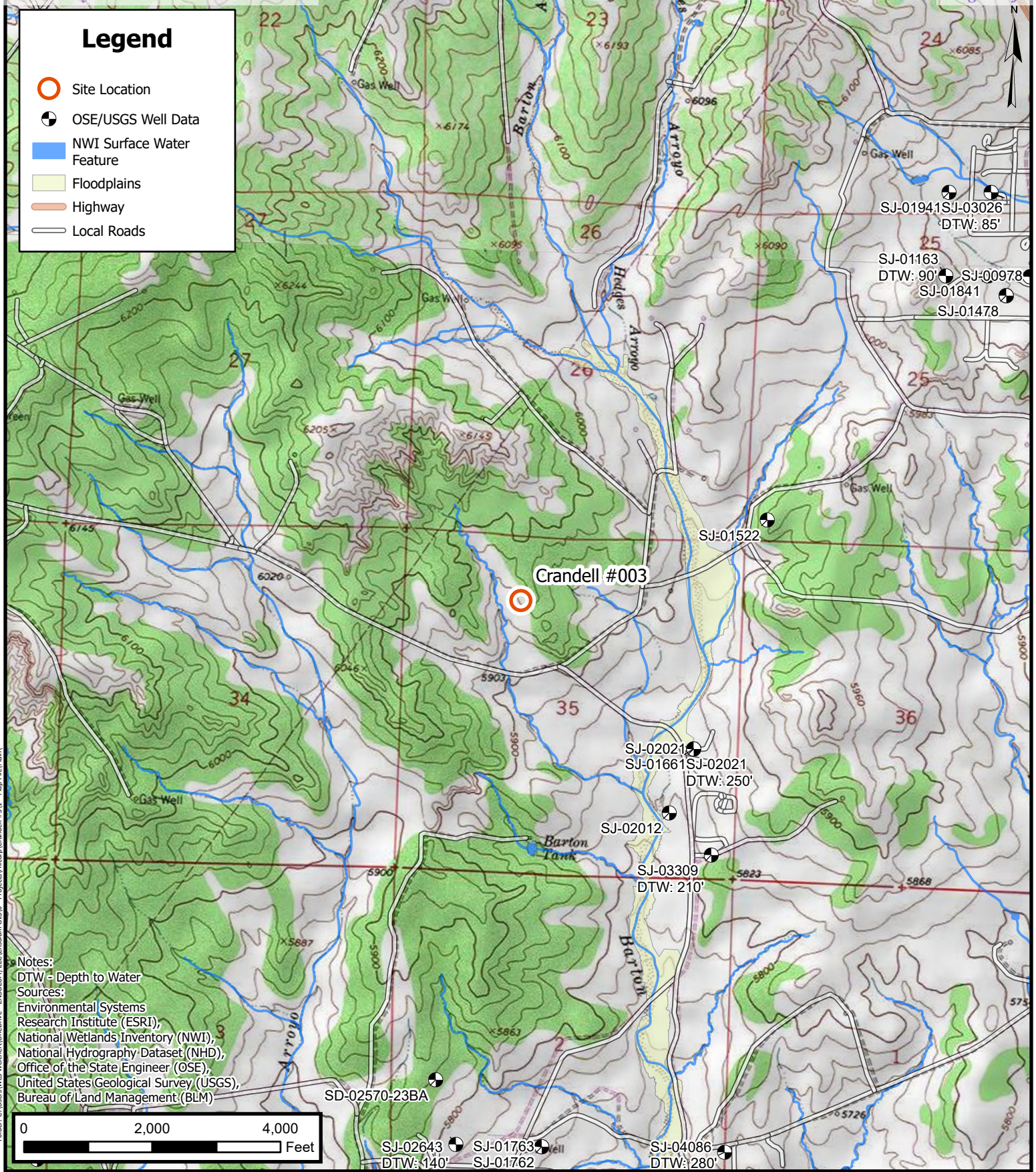
- Table 1: Delineation Soil Analytical Results
- Table 2: Excavation Soil Sample Analytical Results

- Appendix A: Depth to Water Determination
- Appendix B: Photographic Log
- Appendix C: Laboratory Analytical Reports
- Appendix D: Agency Correspondence



FIGURES



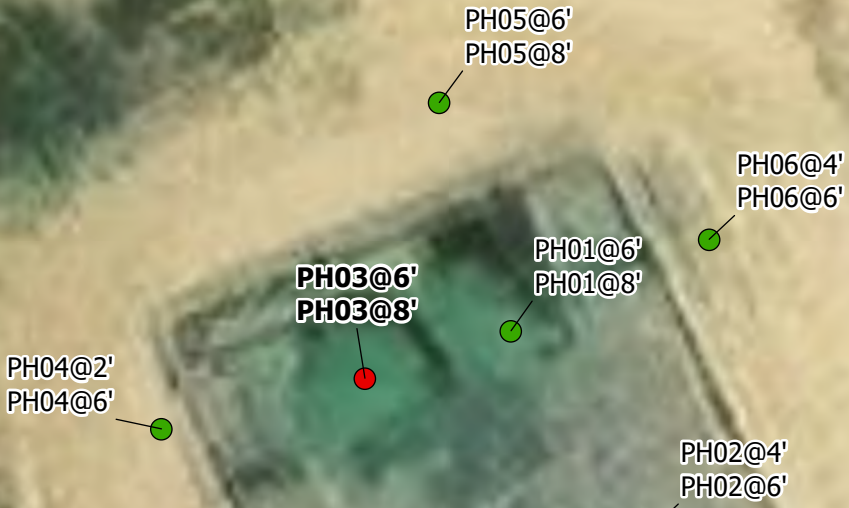


Site Receptor Map
Hilcorp Energy Company
Crandell #003
Incident Number: nAPP2533424802
36.8598976, -108.0708466
San Juan County, New Mexico

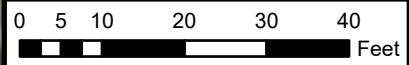
FIGURE
1

Legend

- Soil Sample Compliant with Closure Criteria
- Soil Sample Exceeding Closure Criteria



Notes:
 Sample ID @ Depth Below Ground Surface.



Sources: Environmental Systems Research Institute (ESRI)






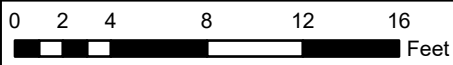
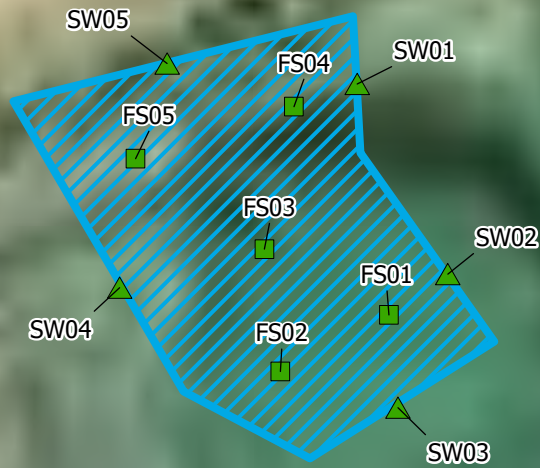
Delineation Soil Sample Locations

Hilcorp Energy Company
 Crandell #003
 Incident Number: nAPP2533424802
 36.8598976, -108.0708466
 San Juan County, New Mexico

FIGURE
2

Legend

-  Confirmation Sidewall Soil Sample Compliant with Closure Criteria
-  Confirmation Floor Soil Sample Compliant with Closure Criteria
-  Excavation Extent



Sources: Environmental Systems Research Institute (ESRI)



Confirmation Soil Sample Locations

Hilcorp Energy Company
 Crandell #3
 Incident Number: nAPP2533424802
 36.8598976, -108.0708466
 San Juan County, New Mexico

FIGURE

3



TABLES



TABLE 1 DELINEATION SOIL ANALYTICAL RESULTS Crandell #003 Hilcorp Energy Company San Juan County, New Mexico													
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)
NMOCDC Closure Criteria for Soils Impacted by a Release			NE	10	NE	NE	NE	50	NE	NE	NE	100	600
DELINEATION SAMPLES													
PH01@6'	12/17/2025	6	3,072	0.037	0.49	<0.049	0.37	0.90	27	<9.7	<49	27	<49
PH01@8'	12/17/2025	8	2,770	<0.023	0.57	0.052	0.59	1.21	17	<9.3	<46	17	<51
PH02@4'	12/17/2025	4	1.6	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.6	<48	<48	<50
PH02@6'	12/17/2025	6	1.1	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.9	<50	<50	<50
PH03@6'	12/17/2025	6	2,857	1.5	65	4.9	55	126	2,300	230	<46	2,530	<51
PH03@8'	12/17/2025	8	4,428	0.036	1.0	0.23	2.5	3.8	110	<9.2	<46	110	<49
PH04@2'	12/17/2025	2	34.1	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.4	<47	<47	<50
PH04@6'	12/17/2025	6	7.2	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.9	<49	<49	<49
PH05@6'	12/17/2025	6	3,353	<0.023	0.14	<0.047	0.16	0.30	<4.7	<9.7	<48	<48	<50
PH05@8'	12/17/2025	8	1,604	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<10	<50	<50	<50
PH06@4'	12/17/2025	4	4.4	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.6	<48	<48	<51
PH06@6'	12/17/2025	6	2.8	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<9.7	<49	<49	<50

Notes:

bgs: Below ground surface
 BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
 mg/kg: Milligrams per kilogram
 NE: Not Established
 NMOCDC: 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)

Concentrations in **bold** and shaded exceed the New Mexico Oil Conservation Division Table I Closure Criteria for Soils Impacted by a Release



TABLE 2 EXCAVATION SOIL SAMPLE ANALYTICAL RESULTS Crandell #003 Hilcorp Energy Company San Juan County, New Mexico													
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)
NMOCDC Closure Criteria for Soils Impacted by a Release			NE	10	NE	NE	NE	50	NE	NE	NE	100	600
Sidewall Soil Samples													
SW01	3/4/2026	0 - 8	30.4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.4	<47	<47	<50
SW02	3/4/2026	0 - 8	89.7	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	10	<48	10	<50
SW03	3/4/2026	0 - 8	503.3	<0.024	0.22	<0.048	0.12	0.34	<4.8	11	<47	11	<50
SW04	3/4/2026	0 - 8	631.0	<0.024	0.27	0.12	0.94	1.33	46	25	<46	71	<49
SW05	3/4/2026	0 - 8	166.1	<0.024	0.050	<0.048	<0.096	0.050	<4.8	<9.9	<49	<49	<50
Floor Soil Samples													
FS01	3/4/2026	8	375.9	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.8	<49	<49	<50
FS02	3/4/2026	8	603.5	<0.023	0.058	<0.047	0.12	0.17	12	11	<48	23	<50
FS03	3/4/2026	8	351.0	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.5	<47	<47	<50
FS04	3/4/2026	8	131.2	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<9.3	<47	<47	<50
FS05	3/4/2026	8	550.5	<0.023	<0.046	<0.046	<0.093	<0.093	<4.9	12	<49	12	<49

Notes:

bgs: Below ground surface
 BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
 mg/kg: Milligrams per kilogram
 NE: Not Established
 NMOCDC: 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)



APPENDIX A

Depth to Water Determination

STATE ENGINEER OFFICE
WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well M. L. WATSON HUNT Owner's Well No. _____
Street or Post Office Address PO 873
City and State FLORA VISTA, NM

Well was drilled under Permit No. SJ-2021-X and is located in the:

- a. $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 35 Township 31 Range 12 N.M.P.M.
- b. Tract No. _____ of Map No. _____ of the _____
- c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.
- d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor TERRY HOOD License No. WD-717

Address FLORA VISTA, NM 87415

Drilling Began 5-14-91 Completed 5-17-91 Type tools _____ Size of hole 6 in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 290 ft.

Completed well is shallow artesian. Depth to water upon completion of well 250 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
<u>280</u>	<u>290</u>	<u>10</u>	<u>BLUE SANDSTONE</u>	<u>1</u>

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To
<u>4 1/2</u>	<u>PVC</u>		<u>0</u>	<u>10</u>	<u>10</u>		<u>46</u>	

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by: _____
State Engineer Representative

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received 5-23-91 Quad S 1/2 NE 1/4 SE 1/4 FWL _____ FSL _____
File No. SJ-2021-X Use Dom Location No. 31N.12W.35



APPENDIX B

Photographic Log



Photographic Log
Hilcorp Energy Company
Crandell #003
San Juan County, New Mexico

East Elevation

☉ 279°W (T) • 36.860123, -108.070655 ±8m ▲ 1801m



17 Dec 2025 9:03:55 AM

Photograph: 1 Date: 12/17/2025
Description: Approximate location of the release area and former aboveground storage tank (AST) following removal.
View: East

North Elevation

☉ 190°S (T) • 36.860117, -108.07068 ±2m ▲ 1802m



17 Dec 2025 9:04:06 AM

Photograph: 2 Date: 12/17/2025
Description: Release area and former AST location within secondary containment following tank removal.
View: North

West Elevation

☉ 56°NE (T) • 36.860092, -108.070759 ±3m ▲ 1797m



17 Dec 2025 9:12:32 AM

Photograph: 3 Date: 12/17/2025
Description: Potholing activities
View: West

West Elevation

☉ 81°E (T) • 36.860171, -108.070606 ±9m ▲ 1792m



17 Dec 2025 9:54:45 AM

Photograph: 4 Date: 12/17/2025
Description: Minor staining observed at PH03
View: West



Photographic Log
Hilcorp Energy Company
Crandell #003
San Juan County, New Mexico



Photograph: 5 Date: 03/04/2026
Description: Excavation underneath bermed area
View: North



Photograph: 6 Date: 03/04/2026
Description: Excavation activities.
View: North



Photograph: 7 Date: 03/04/2026
Description: Excavation sidewall
View: North



Photograph: 8 Date: 03/04/2026
Description: Final excavation extent
View: Northwest



APPENDIX C

Laboratory Analytical Reports



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mitch Killough
Hilcorp Energy
PO BOX 4700
Farmington, New Mexico 87499
Generated 12/31/2025 12:19:51 PM

JOB DESCRIPTION

Crandell 3

JOB NUMBER

885-39895-1

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
12/31/2025 12:19:51 PM

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

- 1
- 2
- 3
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- 9
- 10
- 11

Client: Hilcorp Energy
Project/Site: Crandell 3

Laboratory Job ID: 885-39895-1



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Definitions/Glossary

Client: Hilcorp Energy
Project/Site: Crandell 3

Job ID: 885-39895-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

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

Case Narrative

Client: Hilcorp Energy
Project: Crandell 3

Job ID: 885-39895-1

Job ID: 885-39895-1

Eurofins Albuquerque

Job Narrative 885-39895-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 12/18/2025 8:20 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 3.6°C.

Gasoline Range Organics

Method 8015D_GRO: MSD does not appear to be spiked. Analyst error.

(885-39895-A-1-C MSD)

Method 8015D_GRO: Surrogate recovery for the following sample was outside control limits: PH03@8' (885-39895-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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: Crandell 3

Job ID: 885-39895-1

Client Sample ID: PH01@6'

Lab Sample ID: 885-39895-1

Date Collected: 12/17/25 09:51

Matrix: Solid

Date Received: 12/18/25 08:20

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	27	F1 F2	4.9	mg/Kg		12/18/25 15:53	12/25/25 08:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		15 - 150			12/18/25 15:53	12/25/25 08:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.037		0.025	mg/Kg		12/18/25 15:53	12/25/25 08:11	1
Ethylbenzene	ND		0.049	mg/Kg		12/18/25 15:53	12/25/25 08:11	1
Toluene	0.49		0.049	mg/Kg		12/18/25 15:53	12/25/25 08:11	1
Xylenes, Total	0.37		0.099	mg/Kg		12/18/25 15:53	12/25/25 08:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		15 - 150			12/18/25 15:53	12/25/25 08:11	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		9.7	mg/Kg		12/19/25 10:25	12/19/25 17:16	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		12/19/25 10:25	12/19/25 17:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	99		62 - 134			12/19/25 10:25	12/19/25 17:16	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49	mg/Kg		12/19/25 12:48	12/21/25 14:42	10

Client Sample Results

Client: Hilcorp Energy
 Project/Site: Crandell 3

Job ID: 885-39895-1

Client Sample ID: PH01@8'

Lab Sample ID: 885-39895-2

Date Collected: 12/17/25 10:11

Matrix: Solid

Date Received: 12/18/25 08:20

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	17		4.7	mg/Kg		12/18/25 15:53	12/25/25 09:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		15 - 150			12/18/25 15:53	12/25/25 09:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		12/18/25 15:53	12/25/25 09:22	1
Ethylbenzene	0.052		0.047	mg/Kg		12/18/25 15:53	12/25/25 09:22	1
Toluene	0.57		0.047	mg/Kg		12/18/25 15:53	12/25/25 09:22	1
Xylenes, Total	0.59		0.094	mg/Kg		12/18/25 15:53	12/25/25 09:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		15 - 150			12/18/25 15:53	12/25/25 09:22	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		12/19/25 10:25	12/19/25 17:27	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		12/19/25 10:25	12/19/25 17:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	101		62 - 134			12/19/25 10:25	12/19/25 17:27	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		12/19/25 12:48	12/21/25 14:56	10

Client Sample Results

Client: Hilcorp Energy
 Project/Site: Crandell 3

Job ID: 885-39895-1

Client Sample ID: PH02@4'

Lab Sample ID: 885-39895-3

Date Collected: 12/17/25 10:43

Matrix: Solid

Date Received: 12/18/25 08:20

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		12/18/25 15:53	12/25/25 10:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			12/18/25 15:53	12/25/25 10:33	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		12/18/25 15:53	12/25/25 10:33	1
Ethylbenzene	ND		0.048	mg/Kg		12/18/25 15:53	12/25/25 10:33	1
Toluene	ND		0.048	mg/Kg		12/18/25 15:53	12/25/25 10:33	1
Xylenes, Total	ND		0.097	mg/Kg		12/18/25 15:53	12/25/25 10:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			12/18/25 15:53	12/25/25 10:33	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		9.6	mg/Kg		12/19/25 10:25	12/19/25 17:37	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/19/25 10:25	12/19/25 17:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	99		62 - 134			12/19/25 10:25	12/19/25 17:37	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		12/19/25 12:48	12/21/25 15:09	10

Client Sample Results

Client: Hilcorp Energy
Project/Site: Crandell 3

Job ID: 885-39895-1

Client Sample ID: PH02@6'

Lab Sample ID: 885-39895-4

Date Collected: 12/17/25 10:57

Matrix: Solid

Date Received: 12/18/25 08:20

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		12/18/25 15:53	12/25/25 10:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			12/18/25 15:53	12/25/25 10:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		12/18/25 15:53	12/25/25 10:56	1
Ethylbenzene	ND		0.048	mg/Kg		12/18/25 15:53	12/25/25 10:56	1
Toluene	ND		0.048	mg/Kg		12/18/25 15:53	12/25/25 10:56	1
Xylenes, Total	ND		0.097	mg/Kg		12/18/25 15:53	12/25/25 10:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			12/18/25 15:53	12/25/25 10:56	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		9.9	mg/Kg		12/19/25 10:25	12/19/25 17:48	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		12/19/25 10:25	12/19/25 17:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	99		62 - 134			12/19/25 10:25	12/19/25 17:48	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		12/19/25 12:48	12/21/25 15:23	10

Client Sample Results

Client: Hilcorp Energy
 Project/Site: Crandell 3

Job ID: 885-39895-1

Client Sample ID: PH03@6'

Lab Sample ID: 885-39895-5

Date Collected: 12/17/25 12:10

Matrix: Solid

Date Received: 12/18/25 08:20

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	2300		230	mg/Kg		12/18/25 15:53	12/26/25 08:59	50
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		15 - 150			12/18/25 15:53	12/26/25 08:59	50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.5		0.11	mg/Kg		12/18/25 15:53	12/25/25 11:20	5
Ethylbenzene	4.9		0.23	mg/Kg		12/18/25 15:53	12/25/25 11:20	5
Toluene	65		2.3	mg/Kg		12/18/25 15:53	12/26/25 08:59	50
Xylenes, Total	55		4.6	mg/Kg		12/18/25 15:53	12/26/25 08:59	50
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145		15 - 150			12/18/25 15:53	12/25/25 11:20	5

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	230		9.1	mg/Kg		12/19/25 10:25	12/19/25 17:59	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		12/19/25 10:25	12/19/25 17:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	97		62 - 134			12/19/25 10:25	12/19/25 17:59	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		12/19/25 12:48	12/21/25 15:36	10

Client Sample Results

Client: Hilcorp Energy
 Project/Site: Crandell 3

Job ID: 885-39895-1

Client Sample ID: PH03@8'

Lab Sample ID: 885-39895-6

Date Collected: 12/17/25 12:32

Matrix: Solid

Date Received: 12/18/25 08:20

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	110		4.6	mg/Kg		12/18/25 15:53	12/25/25 12:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	189	S1+	15 - 150			12/18/25 15:53	12/25/25 12:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.036		0.023	mg/Kg		12/18/25 15:53	12/25/25 12:07	1
Ethylbenzene	0.23		0.046	mg/Kg		12/18/25 15:53	12/25/25 12:07	1
Toluene	1.0		0.046	mg/Kg		12/18/25 15:53	12/25/25 12:07	1
Xylenes, Total	2.5		0.091	mg/Kg		12/18/25 15:53	12/25/25 12:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		15 - 150			12/18/25 15:53	12/25/25 12:07	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		9.2	mg/Kg		12/19/25 10:25	12/19/25 18:09	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		12/19/25 10:25	12/19/25 18:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	123		62 - 134			12/19/25 10:25	12/19/25 18:09	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49	mg/Kg		12/19/25 12:48	12/21/25 16:17	10

Client Sample Results

Client: Hilcorp Energy
 Project/Site: Crandell 3

Job ID: 885-39895-1

Client Sample ID: PH04@2'

Lab Sample ID: 885-39895-7

Date Collected: 12/17/25 12:42

Matrix: Solid

Date Received: 12/18/25 08:20

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		12/18/25 15:53	12/25/25 12:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			12/18/25 15:53	12/25/25 12:31	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		12/18/25 15:53	12/25/25 12:31	1
Ethylbenzene	ND		0.049	mg/Kg		12/18/25 15:53	12/25/25 12:31	1
Toluene	ND		0.049	mg/Kg		12/18/25 15:53	12/25/25 12:31	1
Xylenes, Total	ND		0.099	mg/Kg		12/18/25 15:53	12/25/25 12:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			12/18/25 15:53	12/25/25 12:31	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		9.4	mg/Kg		12/19/25 10:25	12/19/25 18:20	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		12/19/25 10:25	12/19/25 18:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	100		62 - 134			12/19/25 10:25	12/19/25 18:20	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		12/19/25 12:48	12/21/25 16:31	10

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
 Project/Site: Crandell 3

Job ID: 885-39895-1

Client Sample ID: PH04@6'

Lab Sample ID: 885-39895-8

Date Collected: 12/17/25 12:55

Matrix: Solid

Date Received: 12/18/25 08:20

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		12/18/25 15:53	12/25/25 12:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			12/18/25 15:53	12/25/25 12:55	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		12/18/25 15:53	12/25/25 12:55	1
Ethylbenzene	ND		0.047	mg/Kg		12/18/25 15:53	12/25/25 12:55	1
Toluene	ND		0.047	mg/Kg		12/18/25 15:53	12/25/25 12:55	1
Xylenes, Total	ND		0.094	mg/Kg		12/18/25 15:53	12/25/25 12:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			12/18/25 15:53	12/25/25 12:55	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		9.9	mg/Kg		12/19/25 10:25	12/19/25 18:31	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		12/19/25 10:25	12/19/25 18:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	102		62 - 134			12/19/25 10:25	12/19/25 18:31	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49	mg/Kg		12/19/25 12:48	12/21/25 16:45	10

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
 Project/Site: Crandell 3

Job ID: 885-39895-1

Client Sample ID: PH05@6'

Lab Sample ID: 885-39895-9

Date Collected: 12/17/25 13:17

Matrix: Solid

Date Received: 12/18/25 08:20

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		12/18/25 15:53	12/25/25 13:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			12/18/25 15:53	12/25/25 13:18	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		12/18/25 15:53	12/25/25 13:18	1
Ethylbenzene	ND		0.047	mg/Kg		12/18/25 15:53	12/25/25 13:18	1
Toluene	0.14		0.047	mg/Kg		12/18/25 15:53	12/25/25 13:18	1
Xylenes, Total	0.16		0.093	mg/Kg		12/18/25 15:53	12/25/25 13:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			12/18/25 15:53	12/25/25 13:18	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		9.7	mg/Kg		12/19/25 10:25	12/19/25 18:52	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/19/25 10:25	12/19/25 18:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	103		62 - 134			12/19/25 10:25	12/19/25 18:52	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		12/19/25 12:48	12/21/25 16:58	10

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
Project/Site: Crandell 3

Job ID: 885-39895-1

Client Sample ID: PH05@8'

Lab Sample ID: 885-39895-10

Date Collected: 12/17/25 13:27

Matrix: Solid

Date Received: 12/18/25 08:20

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		12/18/25 15:53	12/25/25 13:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			12/18/25 15:53	12/25/25 13:42	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		12/18/25 15:53	12/25/25 13:42	1
Ethylbenzene	ND		0.050	mg/Kg		12/18/25 15:53	12/25/25 13:42	1
Toluene	ND		0.050	mg/Kg		12/18/25 15:53	12/25/25 13:42	1
Xylenes, Total	ND		0.10	mg/Kg		12/18/25 15:53	12/25/25 13:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			12/18/25 15:53	12/25/25 13:42	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		10	mg/Kg		12/19/25 10:25	12/19/25 19:03	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		12/19/25 10:25	12/19/25 19:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	105		62 - 134			12/19/25 10:25	12/19/25 19:03	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		12/19/25 12:48	12/21/25 17:12	10

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Client Sample Results

Client: Hilcorp Energy
 Project/Site: Crandell 3

Job ID: 885-39895-1

Client Sample ID: PH06@4'

Lab Sample ID: 885-39895-11

Date Collected: 12/17/25 13:55

Matrix: Solid

Date Received: 12/18/25 08:20

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		12/18/25 15:53	12/25/25 14:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			12/18/25 15:53	12/25/25 14:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		12/18/25 15:53	12/25/25 14:29	1
Ethylbenzene	ND		0.047	mg/Kg		12/18/25 15:53	12/25/25 14:29	1
Toluene	ND		0.047	mg/Kg		12/18/25 15:53	12/25/25 14:29	1
Xylenes, Total	ND		0.093	mg/Kg		12/18/25 15:53	12/25/25 14:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			12/18/25 15:53	12/25/25 14:29	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		9.6	mg/Kg		12/19/25 10:25	12/19/25 19:13	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/19/25 10:25	12/19/25 19:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	108		62 - 134			12/19/25 10:25	12/19/25 19:13	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		12/19/25 12:48	12/21/25 17:26	10

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Client Sample Results

Client: Hilcorp Energy
 Project/Site: Crandell 3

Job ID: 885-39895-1

Client Sample ID: PH06@6'

Lab Sample ID: 885-39895-12

Date Collected: 12/17/25 14:53

Matrix: Solid

Date Received: 12/18/25 08:20

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		12/18/25 15:53	12/25/25 14:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			12/18/25 15:53	12/25/25 14:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		12/18/25 15:53	12/25/25 14:53	1
Ethylbenzene	ND		0.046	mg/Kg		12/18/25 15:53	12/25/25 14:53	1
Toluene	ND		0.046	mg/Kg		12/18/25 15:53	12/25/25 14:53	1
Xylenes, Total	ND		0.092	mg/Kg		12/18/25 15:53	12/25/25 14:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			12/18/25 15:53	12/25/25 14:53	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]	ND		9.7	mg/Kg		12/19/25 10:25	12/19/25 19:24	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		12/19/25 10:25	12/19/25 19:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	119		62 - 134			12/19/25 10:25	12/19/25 19:24	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		12/26/25 10:49	12/26/25 12:31	10

Client Sample Results

Client: Hilcorp Energy
 Project/Site: Crandell 3

Job ID: 885-39895-1

Client Sample ID: PH01@9.25'

Lab Sample ID: 885-39895-13

Date Collected: 12/17/25 15:17

Matrix: Solid

Date Received: 12/18/25 08:20

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	34		4.9	mg/Kg		12/18/25 15:53	12/25/25 15:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145		15 - 150			12/18/25 15:53	12/25/25 15:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		12/18/25 15:53	12/25/25 15:16	1
Ethylbenzene	0.089		0.049	mg/Kg		12/18/25 15:53	12/25/25 15:16	1
Toluene	0.41		0.049	mg/Kg		12/18/25 15:53	12/25/25 15:16	1
Xylenes, Total	1.1		0.098	mg/Kg		12/18/25 15:53	12/25/25 15:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		15 - 150			12/18/25 15:53	12/25/25 15:16	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]	29		9.2	mg/Kg		12/19/25 10:25	12/19/25 19:35	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		12/19/25 10:25	12/19/25 19:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	116		62 - 134			12/19/25 10:25	12/19/25 19:35	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		12/26/25 10:49	12/26/25 13:12	10

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QC Sample Results

Client: Hilcorp Energy
Project/Site: Crandell 3

Job ID: 885-39895-1

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

Lab Sample ID: MB 885-40185/1-A
Matrix: Solid
Analysis Batch: 40477

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40185

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		12/18/25 15:53	12/25/25 07:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150	12/18/25 15:53	12/25/25 07:47	1

Lab Sample ID: LCS 885-40185/2-A
Matrix: Solid
Analysis Batch: 40477

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40185

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	18.8		mg/Kg		75	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	188		15 - 150

Lab Sample ID: 885-39895-1 MS
Matrix: Solid
Analysis Batch: 40477

Client Sample ID: PH01@6'
Prep Type: Total/NA
Prep Batch: 40185

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	27	F1 F2	24.6	53.4		mg/Kg		106	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	208		15 - 150

Lab Sample ID: 885-39895-1 MSD
Matrix: Solid
Analysis Batch: 40477

Client Sample ID: PH01@6'
Prep Type: Total/NA
Prep Batch: 40185

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	27	F1 F2	24.9	23.8	F1 F2	mg/Kg		-14	70 - 130	77	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	204		15 - 150

Lab Sample ID: 885-39895-1 MSD
Matrix: Solid
Analysis Batch: 40489

Client Sample ID: PH01@6'
Prep Type: Total/NA
Prep Batch: 40185

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	140		15 - 150

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QC Sample Results

Client: Hilcorp Energy
Project/Site: Crandell 3

Job ID: 885-39895-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-40185/1-A
Matrix: Solid
Analysis Batch: 40478

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40185

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	ND		0.025	mg/Kg		12/18/25 15:53	12/25/25 07:47	1
Ethylbenzene	ND		0.050	mg/Kg		12/18/25 15:53	12/25/25 07:47	1
Toluene	ND		0.050	mg/Kg		12/18/25 15:53	12/25/25 07:47	1
Xylenes, Total	ND		0.10	mg/Kg		12/18/25 15:53	12/25/25 07:47	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	102		15 - 150	12/18/25 15:53	12/25/25 07:47	1

Lab Sample ID: LCS 885-40185/3-A
Matrix: Solid
Analysis Batch: 40478

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40185

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	1.00	0.949		mg/Kg		95	70 - 130
Toluene	1.00	0.967		mg/Kg		97	70 - 130
Xylenes, Total	3.00	2.90		mg/Kg		97	70 - 130
o-Xylene	1.00	0.938		mg/Kg		94	70 - 130
m&p-Xylene	2.00	1.96		mg/Kg		98	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	100		15 - 150

Lab Sample ID: 885-39895-2 MS
Matrix: Solid
Analysis Batch: 40478

Client Sample ID: PH01@8'
Prep Type: Total/NA
Prep Batch: 40185

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.052		0.927	0.815		mg/Kg		82	70 - 130
Toluene	0.57		0.927	1.33		mg/Kg		82	70 - 130
Xylenes, Total	0.59		2.78	2.92		mg/Kg		84	70 - 130
o-Xylene	0.12		0.927	0.896		mg/Kg		84	70 - 130
m&p-Xylene	0.47		1.85	2.02		mg/Kg		84	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	113		15 - 150

Lab Sample ID: 885-39895-2 MSD
Matrix: Solid
Analysis Batch: 40478

Client Sample ID: PH01@8'
Prep Type: Total/NA
Prep Batch: 40185

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
										RPD	Limit
Benzene	ND		0.930	0.808		mg/Kg		85	70 - 130	8	20
Ethylbenzene	0.052		0.930	0.832		mg/Kg		84	70 - 130	2	20
Toluene	0.57		0.930	1.54		mg/Kg		104	70 - 130	15	20
Xylenes, Total	0.59		2.79	3.18		mg/Kg		93	70 - 130	9	20
o-Xylene	0.12		0.930	0.945		mg/Kg		89	70 - 130	5	20

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QC Sample Results

Client: Hilcorp Energy
Project/Site: Crandell 3

Job ID: 885-39895-1

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

Lab Sample ID: 885-39895-2 MSD
Matrix: Solid
Analysis Batch: 40478

Client Sample ID: PH01@8*
Prep Type: Total/NA
Prep Batch: 40185

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m&p-Xylene	0.47		1.86	2.24		mg/Kg		95	70 - 130	10	20
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	120		15 - 150								

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

Lab Sample ID: MB 885-40216/1-A
Matrix: Solid
Analysis Batch: 40243

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40216

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		12/19/25 10:25	12/19/25 16:55	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		12/19/25 10:25	12/19/25 16:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	97		62 - 134			12/19/25 10:25	12/19/25 16:55	1

Lab Sample ID: LCS 885-40216/2-A
Matrix: Solid
Analysis Batch: 40243

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40216

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	52.9		mg/Kg		106	51 - 148
Surrogate	%Recovery	Qualifier	Limits				
Di-n-octyl phthalate (Surr)	98		62 - 134				

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-40234/1-A
Matrix: Solid
Analysis Batch: 40272

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40234

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		4.9	mg/Kg		12/19/25 12:48	12/21/25 10:28	1

Lab Sample ID: LCS 885-40234/2-A
Matrix: Solid
Analysis Batch: 40272

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40234

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	49.7	47.7		mg/Kg		96	90 - 110

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QC Sample Results

Client: Hilcorp Energy
 Project/Site: Crandell 3

Job ID: 885-39895-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 885-40496/1-A
 Matrix: Solid
 Analysis Batch: 40501

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 40496

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.0	mg/Kg		12/26/25 10:49	12/26/25 12:03	1

Lab Sample ID: LCS 885-40496/2-A
 Matrix: Solid
 Analysis Batch: 40501

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 40496

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	47.2		mg/Kg		94	90 - 110

Lab Sample ID: 885-39895-12 MS
 Matrix: Solid
 Analysis Batch: 40501

Client Sample ID: PH06@6'
 Prep Type: Total/NA
 Prep Batch: 40496

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	ND		49.8	54.8		mg/Kg		NC	50 - 150

Lab Sample ID: 885-39895-12 MSD
 Matrix: Solid
 Analysis Batch: 40501

Client Sample ID: PH06@6'
 Prep Type: Total/NA
 Prep Batch: 40496

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	ND		49.8	55.0		mg/Kg		NC	50 - 150	0	20

Lab Sample ID: 885-39895-13 MS
 Matrix: Solid
 Analysis Batch: 40501

Client Sample ID: PH01@9.25'
 Prep Type: Total/NA
 Prep Batch: 40496

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	ND		50.3	54.9		mg/Kg		109	50 - 150

Lab Sample ID: 885-39895-13 MSD
 Matrix: Solid
 Analysis Batch: 40501

Client Sample ID: PH01@9.25'
 Prep Type: Total/NA
 Prep Batch: 40496

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	ND		49.3	56.6		mg/Kg		115	50 - 150	3	20

QC Association Summary

Client: Hilcorp Energy
 Project/Site: Crandell 3

Job ID: 885-39895-1

GC VOA

Prep Batch: 40185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39895-1	PH01@6'	Total/NA	Solid	5030C	
885-39895-2	PH01@8'	Total/NA	Solid	5030C	
885-39895-3	PH02@4'	Total/NA	Solid	5030C	
885-39895-4	PH02@6'	Total/NA	Solid	5030C	
885-39895-5	PH03@6'	Total/NA	Solid	5030C	
885-39895-6	PH03@8'	Total/NA	Solid	5030C	
885-39895-7	PH04@2'	Total/NA	Solid	5030C	
885-39895-8	PH04@6'	Total/NA	Solid	5030C	
885-39895-9	PH05@6'	Total/NA	Solid	5030C	
885-39895-10	PH05@8'	Total/NA	Solid	5030C	
885-39895-11	PH06@4'	Total/NA	Solid	5030C	
885-39895-12	PH06@6'	Total/NA	Solid	5030C	
885-39895-13	PH01@9.25'	Total/NA	Solid	5030C	
MB 885-40185/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-40185/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-40185/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-39895-1 MS	PH01@6'	Total/NA	Solid	5030C	
885-39895-1 MSD	PH01@6'	Total/NA	Solid	5030C	
885-39895-2 MS	PH01@8'	Total/NA	Solid	5030C	
885-39895-2 MSD	PH01@8'	Total/NA	Solid	5030C	

Analysis Batch: 40477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39895-1	PH01@6'	Total/NA	Solid	8015M/D	40185
885-39895-2	PH01@8'	Total/NA	Solid	8015M/D	40185
885-39895-3	PH02@4'	Total/NA	Solid	8015M/D	40185
885-39895-4	PH02@6'	Total/NA	Solid	8015M/D	40185
885-39895-6	PH03@8'	Total/NA	Solid	8015M/D	40185
885-39895-7	PH04@2'	Total/NA	Solid	8015M/D	40185
885-39895-8	PH04@6'	Total/NA	Solid	8015M/D	40185
885-39895-9	PH05@6'	Total/NA	Solid	8015M/D	40185
885-39895-10	PH05@8'	Total/NA	Solid	8015M/D	40185
885-39895-11	PH06@4'	Total/NA	Solid	8015M/D	40185
885-39895-12	PH06@6'	Total/NA	Solid	8015M/D	40185
885-39895-13	PH01@9.25'	Total/NA	Solid	8015M/D	40185
MB 885-40185/1-A	Method Blank	Total/NA	Solid	8015M/D	40185
LCS 885-40185/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	40185
885-39895-1 MS	PH01@6'	Total/NA	Solid	8015M/D	40185
885-39895-1 MSD	PH01@6'	Total/NA	Solid	8015M/D	40185

Analysis Batch: 40478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39895-1	PH01@6'	Total/NA	Solid	8021B	40185
885-39895-2	PH01@8'	Total/NA	Solid	8021B	40185
885-39895-3	PH02@4'	Total/NA	Solid	8021B	40185
885-39895-4	PH02@6'	Total/NA	Solid	8021B	40185
885-39895-5	PH03@6'	Total/NA	Solid	8021B	40185
885-39895-6	PH03@8'	Total/NA	Solid	8021B	40185
885-39895-7	PH04@2'	Total/NA	Solid	8021B	40185
885-39895-8	PH04@6'	Total/NA	Solid	8021B	40185
885-39895-9	PH05@6'	Total/NA	Solid	8021B	40185

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QC Association Summary

Client: Hilcorp Energy
 Project/Site: Crandell 3

Job ID: 885-39895-1

GC VOA (Continued)

Analysis Batch: 40478 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39895-10	PH05@8'	Total/NA	Solid	8021B	40185
885-39895-11	PH06@4'	Total/NA	Solid	8021B	40185
885-39895-12	PH06@6'	Total/NA	Solid	8021B	40185
885-39895-13	PH01@9.25'	Total/NA	Solid	8021B	40185
MB 885-40185/1-A	Method Blank	Total/NA	Solid	8021B	40185
LCS 885-40185/3-A	Lab Control Sample	Total/NA	Solid	8021B	40185
885-39895-2 MS	PH01@8'	Total/NA	Solid	8021B	40185
885-39895-2 MSD	PH01@8'	Total/NA	Solid	8021B	40185

Analysis Batch: 40489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39895-5	PH03@6'	Total/NA	Solid	8015M/D	40185
885-39895-1 MSD	PH01@6'	Total/NA	Solid	8015M/D	40185

Analysis Batch: 40490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39895-5	PH03@6'	Total/NA	Solid	8021B	40185

GC Semi VOA

Prep Batch: 40216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39895-1	PH01@6'	Total/NA	Solid	SHAKE	
885-39895-2	PH01@8'	Total/NA	Solid	SHAKE	
885-39895-3	PH02@4'	Total/NA	Solid	SHAKE	
885-39895-4	PH02@6'	Total/NA	Solid	SHAKE	
885-39895-5	PH03@6'	Total/NA	Solid	SHAKE	
885-39895-6	PH03@8'	Total/NA	Solid	SHAKE	
885-39895-7	PH04@2'	Total/NA	Solid	SHAKE	
885-39895-8	PH04@6'	Total/NA	Solid	SHAKE	
885-39895-9	PH05@6'	Total/NA	Solid	SHAKE	
885-39895-10	PH05@8'	Total/NA	Solid	SHAKE	
885-39895-11	PH06@4'	Total/NA	Solid	SHAKE	
885-39895-12	PH06@6'	Total/NA	Solid	SHAKE	
885-39895-13	PH01@9.25'	Total/NA	Solid	SHAKE	
MB 885-40216/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-40216/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 40243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39895-1	PH01@6'	Total/NA	Solid	8015M/D	40216
885-39895-2	PH01@8'	Total/NA	Solid	8015M/D	40216
885-39895-3	PH02@4'	Total/NA	Solid	8015M/D	40216
885-39895-4	PH02@6'	Total/NA	Solid	8015M/D	40216
885-39895-5	PH03@6'	Total/NA	Solid	8015M/D	40216
885-39895-6	PH03@8'	Total/NA	Solid	8015M/D	40216
885-39895-7	PH04@2'	Total/NA	Solid	8015M/D	40216
885-39895-8	PH04@6'	Total/NA	Solid	8015M/D	40216
885-39895-9	PH05@6'	Total/NA	Solid	8015M/D	40216
885-39895-10	PH05@8'	Total/NA	Solid	8015M/D	40216
885-39895-11	PH06@4'	Total/NA	Solid	8015M/D	40216

Eurofins Albuquerque

QC Association Summary

Client: Hilcorp Energy
Project/Site: Crandell 3

Job ID: 885-39895-1

GC Semi VOA (Continued)

Analysis Batch: 40243 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39895-12	PH06@6'	Total/NA	Solid	8015M/D	40216
885-39895-13	PH01@9.25'	Total/NA	Solid	8015M/D	40216
MB 885-40216/1-A	Method Blank	Total/NA	Solid	8015M/D	40216
LCS 885-40216/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	40216

HPLC/IC

Prep Batch: 40234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39895-1	PH01@6'	Total/NA	Solid	300_Prep	
885-39895-2	PH01@8'	Total/NA	Solid	300_Prep	
885-39895-3	PH02@4'	Total/NA	Solid	300_Prep	
885-39895-4	PH02@6'	Total/NA	Solid	300_Prep	
885-39895-5	PH03@6'	Total/NA	Solid	300_Prep	
885-39895-6	PH03@8'	Total/NA	Solid	300_Prep	
885-39895-7	PH04@2'	Total/NA	Solid	300_Prep	
885-39895-8	PH04@6'	Total/NA	Solid	300_Prep	
885-39895-9	PH05@6'	Total/NA	Solid	300_Prep	
885-39895-10	PH05@8'	Total/NA	Solid	300_Prep	
885-39895-11	PH06@4'	Total/NA	Solid	300_Prep	
MB 885-40234/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-40234/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 40272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39895-1	PH01@6'	Total/NA	Solid	300.0	40234
885-39895-2	PH01@8'	Total/NA	Solid	300.0	40234
885-39895-3	PH02@4'	Total/NA	Solid	300.0	40234
885-39895-4	PH02@6'	Total/NA	Solid	300.0	40234
885-39895-5	PH03@6'	Total/NA	Solid	300.0	40234
885-39895-6	PH03@8'	Total/NA	Solid	300.0	40234
885-39895-7	PH04@2'	Total/NA	Solid	300.0	40234
885-39895-8	PH04@6'	Total/NA	Solid	300.0	40234
885-39895-9	PH05@6'	Total/NA	Solid	300.0	40234
885-39895-10	PH05@8'	Total/NA	Solid	300.0	40234
885-39895-11	PH06@4'	Total/NA	Solid	300.0	40234
MB 885-40234/1-A	Method Blank	Total/NA	Solid	300.0	40234
LCS 885-40234/2-A	Lab Control Sample	Total/NA	Solid	300.0	40234

Prep Batch: 40496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39895-12	PH06@6'	Total/NA	Solid	300_Prep	
885-39895-13	PH01@9.25'	Total/NA	Solid	300_Prep	
MB 885-40496/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-40496/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-39895-12 MS	PH06@6'	Total/NA	Solid	300_Prep	
885-39895-12 MSD	PH06@6'	Total/NA	Solid	300_Prep	
885-39895-13 MS	PH01@9.25'	Total/NA	Solid	300_Prep	
885-39895-13 MSD	PH01@9.25'	Total/NA	Solid	300_Prep	

Eurofins Albuquerque

QC Association Summary

Client: Hilcorp Energy
Project/Site: Crandell 3

Job ID: 885-39895-1

HPLC/IC

Analysis Batch: 40501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39895-12	PH06@6'	Total/NA	Solid	300.0	40496
885-39895-13	PH01@9.25'	Total/NA	Solid	300.0	40496
MB 885-40496/1-A	Method Blank	Total/NA	Solid	300.0	40496
LCS 885-40496/2-A	Lab Control Sample	Total/NA	Solid	300.0	40496
885-39895-12 MS	PH06@6'	Total/NA	Solid	300.0	40496
885-39895-12 MSD	PH06@6'	Total/NA	Solid	300.0	40496
885-39895-13 MS	PH01@9.25'	Total/NA	Solid	300.0	40496
885-39895-13 MSD	PH01@9.25'	Total/NA	Solid	300.0	40496

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Lab Chronicle

Client: Hilcorp Energy
 Project/Site: Crandell 3

Job ID: 885-39895-1

Client Sample ID: PH01@6'

Lab Sample ID: 885-39895-1

Date Collected: 12/17/25 09:51

Matrix: Solid

Date Received: 12/18/25 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40185	JP	EET ALB	12/18/25 15:53
Total/NA	Analysis	8015M/D		1	40477	VP	EET ALB	12/25/25 08:11
Total/NA	Prep	5030C			40185	JP	EET ALB	12/18/25 15:53
Total/NA	Analysis	8021B		1	40478	VP	EET ALB	12/25/25 08:11
Total/NA	Prep	SHAKE			40216	MB	EET ALB	12/19/25 10:25
Total/NA	Analysis	8015M/D		1	40243	BV	EET ALB	12/19/25 17:16
Total/NA	Prep	300_Prep			40234	JR	EET ALB	12/19/25 12:48
Total/NA	Analysis	300.0		10	40272	JT	EET ALB	12/21/25 14:42

Client Sample ID: PH01@8'

Lab Sample ID: 885-39895-2

Date Collected: 12/17/25 10:11

Matrix: Solid

Date Received: 12/18/25 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40185	JP	EET ALB	12/18/25 15:53
Total/NA	Analysis	8015M/D		1	40477	VP	EET ALB	12/25/25 09:22
Total/NA	Prep	5030C			40185	JP	EET ALB	12/18/25 15:53
Total/NA	Analysis	8021B		1	40478	VP	EET ALB	12/25/25 09:22
Total/NA	Prep	SHAKE			40216	MB	EET ALB	12/19/25 10:25
Total/NA	Analysis	8015M/D		1	40243	BV	EET ALB	12/19/25 17:27
Total/NA	Prep	300_Prep			40234	JR	EET ALB	12/19/25 12:48
Total/NA	Analysis	300.0		10	40272	JT	EET ALB	12/21/25 14:56

Client Sample ID: PH02@4'

Lab Sample ID: 885-39895-3

Date Collected: 12/17/25 10:43

Matrix: Solid

Date Received: 12/18/25 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40185	JP	EET ALB	12/18/25 15:53
Total/NA	Analysis	8015M/D		1	40477	VP	EET ALB	12/25/25 10:33
Total/NA	Prep	5030C			40185	JP	EET ALB	12/18/25 15:53
Total/NA	Analysis	8021B		1	40478	VP	EET ALB	12/25/25 10:33
Total/NA	Prep	SHAKE			40216	MB	EET ALB	12/19/25 10:25
Total/NA	Analysis	8015M/D		1	40243	BV	EET ALB	12/19/25 17:37
Total/NA	Prep	300_Prep			40234	JR	EET ALB	12/19/25 12:48
Total/NA	Analysis	300.0		10	40272	JT	EET ALB	12/21/25 15:09

Client Sample ID: PH02@6'

Lab Sample ID: 885-39895-4

Date Collected: 12/17/25 10:57

Matrix: Solid

Date Received: 12/18/25 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40185	JP	EET ALB	12/18/25 15:53
Total/NA	Analysis	8015M/D		1	40477	VP	EET ALB	12/25/25 10:56

Eurofins Albuquerque

Lab Chronicle

Client: Hilcorp Energy
Project/Site: Crandell 3

Job ID: 885-39895-1

Client Sample ID: PH02@6'

Lab Sample ID: 885-39895-4

Date Collected: 12/17/25 10:57

Matrix: Solid

Date Received: 12/18/25 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40185	JP	EET ALB	12/18/25 15:53
Total/NA	Analysis	8021B		1	40478	VP	EET ALB	12/25/25 10:56
Total/NA	Prep	SHAKE			40216	MB	EET ALB	12/19/25 10:25
Total/NA	Analysis	8015M/D		1	40243	BV	EET ALB	12/19/25 17:48
Total/NA	Prep	300_Prep			40234	JR	EET ALB	12/19/25 12:48
Total/NA	Analysis	300.0		10	40272	JT	EET ALB	12/21/25 15:23

Client Sample ID: PH03@6'

Lab Sample ID: 885-39895-5

Date Collected: 12/17/25 12:10

Matrix: Solid

Date Received: 12/18/25 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40185	JP	EET ALB	12/18/25 15:53
Total/NA	Analysis	8015M/D		50	40489	VP	EET ALB	12/26/25 08:59
Total/NA	Prep	5030C			40185	JP	EET ALB	12/18/25 15:53
Total/NA	Analysis	8021B		5	40478	VP	EET ALB	12/25/25 11:20
Total/NA	Prep	5030C			40185	JP	EET ALB	12/18/25 15:53
Total/NA	Analysis	8021B		50	40490	VP	EET ALB	12/26/25 08:59
Total/NA	Prep	SHAKE			40216	MB	EET ALB	12/19/25 10:25
Total/NA	Analysis	8015M/D		1	40243	BV	EET ALB	12/19/25 17:59
Total/NA	Prep	300_Prep			40234	JR	EET ALB	12/19/25 12:48
Total/NA	Analysis	300.0		10	40272	JT	EET ALB	12/21/25 15:36

Client Sample ID: PH03@8'

Lab Sample ID: 885-39895-6

Date Collected: 12/17/25 12:32

Matrix: Solid

Date Received: 12/18/25 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40185	JP	EET ALB	12/18/25 15:53
Total/NA	Analysis	8015M/D		1	40477	VP	EET ALB	12/25/25 12:07
Total/NA	Prep	5030C			40185	JP	EET ALB	12/18/25 15:53
Total/NA	Analysis	8021B		1	40478	VP	EET ALB	12/25/25 12:07
Total/NA	Prep	SHAKE			40216	MB	EET ALB	12/19/25 10:25
Total/NA	Analysis	8015M/D		1	40243	BV	EET ALB	12/19/25 18:09
Total/NA	Prep	300_Prep			40234	JR	EET ALB	12/19/25 12:48
Total/NA	Analysis	300.0		10	40272	JT	EET ALB	12/21/25 16:17

Client Sample ID: PH04@2'

Lab Sample ID: 885-39895-7

Date Collected: 12/17/25 12:42

Matrix: Solid

Date Received: 12/18/25 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40185	JP	EET ALB	12/18/25 15:53
Total/NA	Analysis	8015M/D		1	40477	VP	EET ALB	12/25/25 12:31

Eurofins Albuquerque

Lab Chronicle

Client: Hilcorp Energy
 Project/Site: Crandell 3

Job ID: 885-39895-1

Client Sample ID: PH04@2'

Lab Sample ID: 885-39895-7

Date Collected: 12/17/25 12:42

Matrix: Solid

Date Received: 12/18/25 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40185	JP	EET ALB	12/18/25 15:53
Total/NA	Analysis	8021B		1	40478	VP	EET ALB	12/25/25 12:31
Total/NA	Prep	SHAKE			40216	MB	EET ALB	12/19/25 10:25
Total/NA	Analysis	8015M/D		1	40243	BV	EET ALB	12/19/25 18:20
Total/NA	Prep	300_Prep			40234	JR	EET ALB	12/19/25 12:48
Total/NA	Analysis	300.0		10	40272	JT	EET ALB	12/21/25 16:31

Client Sample ID: PH04@6'

Lab Sample ID: 885-39895-8

Date Collected: 12/17/25 12:55

Matrix: Solid

Date Received: 12/18/25 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40185	JP	EET ALB	12/18/25 15:53
Total/NA	Analysis	8015M/D		1	40477	VP	EET ALB	12/25/25 12:55
Total/NA	Prep	5030C			40185	JP	EET ALB	12/18/25 15:53
Total/NA	Analysis	8021B		1	40478	VP	EET ALB	12/25/25 12:55
Total/NA	Prep	SHAKE			40216	MB	EET ALB	12/19/25 10:25
Total/NA	Analysis	8015M/D		1	40243	BV	EET ALB	12/19/25 18:31
Total/NA	Prep	300_Prep			40234	JR	EET ALB	12/19/25 12:48
Total/NA	Analysis	300.0		10	40272	JT	EET ALB	12/21/25 16:45

Client Sample ID: PH05@6'

Lab Sample ID: 885-39895-9

Date Collected: 12/17/25 13:17

Matrix: Solid

Date Received: 12/18/25 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40185	JP	EET ALB	12/18/25 15:53
Total/NA	Analysis	8015M/D		1	40477	VP	EET ALB	12/25/25 13:18
Total/NA	Prep	5030C			40185	JP	EET ALB	12/18/25 15:53
Total/NA	Analysis	8021B		1	40478	VP	EET ALB	12/25/25 13:18
Total/NA	Prep	SHAKE			40216	MB	EET ALB	12/19/25 10:25
Total/NA	Analysis	8015M/D		1	40243	BV	EET ALB	12/19/25 18:52
Total/NA	Prep	300_Prep			40234	JR	EET ALB	12/19/25 12:48
Total/NA	Analysis	300.0		10	40272	JT	EET ALB	12/21/25 16:58

Client Sample ID: PH05@8'

Lab Sample ID: 885-39895-10

Date Collected: 12/17/25 13:27

Matrix: Solid

Date Received: 12/18/25 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40185	JP	EET ALB	12/18/25 15:53
Total/NA	Analysis	8015M/D		1	40477	VP	EET ALB	12/25/25 13:42
Total/NA	Prep	5030C			40185	JP	EET ALB	12/18/25 15:53
Total/NA	Analysis	8021B		1	40478	VP	EET ALB	12/25/25 13:42

Eurofins Albuquerque

Lab Chronicle

Client: Hilcorp Energy
Project/Site: Crandell 3

Job ID: 885-39895-1

Client Sample ID: PH05@8'

Lab Sample ID: 885-39895-10

Date Collected: 12/17/25 13:27

Matrix: Solid

Date Received: 12/18/25 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			40216	MB	EET ALB	12/19/25 10:25
Total/NA	Analysis	8015M/D		1	40243	BV	EET ALB	12/19/25 19:03
Total/NA	Prep	300_Prep			40234	JR	EET ALB	12/19/25 12:48
Total/NA	Analysis	300.0		10	40272	JT	EET ALB	12/21/25 17:12

Client Sample ID: PH06@4'

Lab Sample ID: 885-39895-11

Date Collected: 12/17/25 13:55

Matrix: Solid

Date Received: 12/18/25 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40185	JP	EET ALB	12/18/25 15:53
Total/NA	Analysis	8015M/D		1	40477	VP	EET ALB	12/25/25 14:29
Total/NA	Prep	5030C			40185	JP	EET ALB	12/18/25 15:53
Total/NA	Analysis	8021B		1	40478	VP	EET ALB	12/25/25 14:29
Total/NA	Prep	SHAKE			40216	MB	EET ALB	12/19/25 10:25
Total/NA	Analysis	8015M/D		1	40243	BV	EET ALB	12/19/25 19:13
Total/NA	Prep	300_Prep			40234	JR	EET ALB	12/19/25 12:48
Total/NA	Analysis	300.0		10	40272	JT	EET ALB	12/21/25 17:26

Client Sample ID: PH06@6'

Lab Sample ID: 885-39895-12

Date Collected: 12/17/25 14:53

Matrix: Solid

Date Received: 12/18/25 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40185	JP	EET ALB	12/18/25 15:53
Total/NA	Analysis	8015M/D		1	40477	VP	EET ALB	12/25/25 14:53
Total/NA	Prep	5030C			40185	JP	EET ALB	12/18/25 15:53
Total/NA	Analysis	8021B		1	40478	VP	EET ALB	12/25/25 14:53
Total/NA	Prep	SHAKE			40216	MB	EET ALB	12/19/25 10:25
Total/NA	Analysis	8015M/D		1	40243	BV	EET ALB	12/19/25 19:24
Total/NA	Prep	300_Prep			40496	MA	EET ALB	12/26/25 10:49
Total/NA	Analysis	300.0		10	40501	EH	EET ALB	12/26/25 12:31

Client Sample ID: PH01@9.25'

Lab Sample ID: 885-39895-13

Date Collected: 12/17/25 15:17

Matrix: Solid

Date Received: 12/18/25 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40185	JP	EET ALB	12/18/25 15:53
Total/NA	Analysis	8015M/D		1	40477	VP	EET ALB	12/25/25 15:16
Total/NA	Prep	5030C			40185	JP	EET ALB	12/18/25 15:53
Total/NA	Analysis	8021B		1	40478	VP	EET ALB	12/25/25 15:16
Total/NA	Prep	SHAKE			40216	MB	EET ALB	12/19/25 10:25
Total/NA	Analysis	8015M/D		1	40243	BV	EET ALB	12/19/25 19:35

Eurofins Albuquerque

Lab Chronicle

Client: Hilcorp Energy
Project/Site: Crandell 3

Job ID: 885-39895-1

Client Sample ID: PH01@9.25'

Lab Sample ID: 885-39895-13

Date Collected: 12/17/25 15:17

Matrix: Solid

Date Received: 12/18/25 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			40496	MA	EET ALB	12/26/25 10:49
Total/NA	Analysis	300.0		10	40501	EH	EET ALB	12/26/25 13:12

Laboratory References:

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



Accreditation/Certification Summary

Client: Hilcorp Energy
 Project/Site: Crandell 3

Job ID: 885-39895-1

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	02-25-26
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 (GRO)-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	02-25-26

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Eurofins Albuquerque
4901 Hawkins NE
Albuquerque, NM 87109
Phone (505) 345-3975

Chain of Custody Record



Client Information Client Contact: Mitch Killough Company: Hilcorp Energy Co Address: City: State, Zip: Phone: Email: Project Name: Crandell 3 Site:		Sampler: Tracy Dembrowski Phone: (720) 989-6175 E-Mail: tdembrowski@ensolum.com Lab PM: State of Origin: NM Carrier Tracking No(s): Job: 885-39895 COC	
Due Date Requested: TAT Requested (days): Standard Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No PO #: WO #: Project #: SSOV#:		Analysis Requested: Perform MS/MSD (Yes or No): Field Filtered Sample (Yes or No): Total Number of Containers:	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements: please cc wweicheft@ensolum.com	
Empty Kit Relinquished by:		Method of Shipment:	
Relinquished by: <i>[Signature]</i>		Date/Time: 12/17/25 1620	
Relinquished by: <i>[Signature]</i>		Date/Time: 12/17/25 1736	
Relinquished by: <i>[Signature]</i>		Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks: 3.3 to 3.0 °C clean	



Ver: 01/16/2019

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque, NM 87109
Phone (505) 345-3975

Chain of Custody Record



Environment Testing

Client Information Client Contact: Mitch Killough Company: Hilcorp Energy Co Address: City: State, Zip: Phone: Email: Project Name: Crandell 3 Site:		Lab PM: E-Mail: tademrowski@ensolum.com Phone: (720) 989-6175 PWDID: Due Date Requested: VAT Requested (days): Standard Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No PO #: MO #: Project #: SSOW #:		Sampler: Tracy Dembrowski Carier Tracking No(s): State of Origin: NM Page: 2 of 2 Job #:		COC No: Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecylhydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)		Total Number of containers: Special Instructions/Note:	
Sample Identification Sample Date: 12/17/25 Sample Time: 1453 Sample Type (C-comp, G-grab): G Matrix (W-water, S-soil, G-grab, O-other): S Field Filtered Sample (Yes or No): Perform RMRSC (Yes or No): Analysis Requested: RIFX 1 TPH Chlordc		Preservation Code: Sample Date: 12/17/25 Sample Time: 1517 Sample Type (C-comp, G-grab): G Matrix (W-water, S-soil, G-grab, O-other): S		Analysis Requested: RIFX 1 TPH Chlordc		Total Number of containers: Special Instructions/Note:			
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant Deliverable Requested: I, II, III, IV, Other (specify)		<input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained for more than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Dispose By Lab <input type="checkbox"/> Archive For _____ Months		Special Instructions/QC Requirements: Please CC: wweichert@ensolum.com			
Empty Kit Relinquished by: Relinquished by: [Signature] Date/Time: 12/17/25 1620		Date/Time: 12/17/25 1730 Relinquished by: [Signature] Date/Time:		Received by: [Signature] Date/Time: 12/17/25 1620 Company: Eurofins		Received by: [Signature] Date/Time: 12/18/25 820 Company: [Signature]			
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 3, 3, 10, 7, 7, 3, 10, 6		Ver: 01/16/2019			



Login Sample Receipt Checklist

Client: Hilcorp Energy

Job Number: 885-39895-1

Login Number: 39895

List Source: Eurofins Albuquerque

List Number: 1

Creator: McQuiston, Steven

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ 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 <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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/10/2026 4:39:32 PM

JOB DESCRIPTION

Crandell #3

JOB NUMBER

885-44664-1

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



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

Client: Hilcorp Energy
Project/Site: Crandell #3

Laboratory Job ID: 885-44664-1

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Definitions/Glossary

Client: Hilcorp Energy
Project/Site: Crandell #3

Job ID: 885-44664-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

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

Case Narrative

Client: Hilcorp Energy
Project: Crandell #3

Job ID: 885-44664-1

Job ID: 885-44664-1

Eurofins Albuquerque

Job Narrative 885-44664-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 3/5/2026 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 1.5°C.

Gasoline Range Organics

Method 8015M/D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 885-44450 and analytical batch 885-44475 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015M/D: Surrogate recovery for the following sample was outside control limits: SW04 (885-44664-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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: Crandell #3

Job ID: 885-44664-1

Client Sample ID: SW01

Lab Sample ID: 885-44664-1

Date Collected: 03/04/26 11:29

Matrix: Solid

Date Received: 03/05/26 06:30

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		5.0	mg/Kg		03/06/26 09:56	03/08/26 03:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		15 - 150			03/06/26 09:56	03/08/26 03:06	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/06/26 09:56	03/08/26 03:06	1
Ethylbenzene	ND		0.050	mg/Kg		03/06/26 09:56	03/08/26 03:06	1
Toluene	ND		0.050	mg/Kg		03/06/26 09:56	03/08/26 03:06	1
Xylenes, Total	ND		0.099	mg/Kg		03/06/26 09:56	03/08/26 03:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		15 - 150			03/06/26 09:56	03/08/26 03:06	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		9.4	mg/Kg		03/06/26 11:12	03/06/26 21:08	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		03/06/26 11:12	03/06/26 21:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	86		62 - 134			03/06/26 11:12	03/06/26 21:08	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		03/06/26 14:15	03/06/26 18:49	10

Client Sample Results

Client: Hilcorp Energy
 Project/Site: Crandell #3

Job ID: 885-44664-1

Client Sample ID: SW02

Lab Sample ID: 885-44664-2

Date Collected: 03/04/26 13:00

Matrix: Solid

Date Received: 03/05/26 06:30

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		03/06/26 09:56	03/08/26 03:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		15 - 150			03/06/26 09:56	03/08/26 03:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/06/26 09:56	03/08/26 03:29	1
Ethylbenzene	ND		0.048	mg/Kg		03/06/26 09:56	03/08/26 03:29	1
Toluene	ND		0.048	mg/Kg		03/06/26 09:56	03/08/26 03:29	1
Xylenes, Total	ND		0.095	mg/Kg		03/06/26 09:56	03/08/26 03:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		15 - 150			03/06/26 09:56	03/08/26 03:29	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]	10		9.6	mg/Kg		03/06/26 11:12	03/06/26 21:20	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		03/06/26 11:12	03/06/26 21:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87		62 - 134			03/06/26 11:12	03/06/26 21:20	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		03/06/26 14:15	03/06/26 19:00	10

Client Sample Results

Client: Hilcorp Energy
 Project/Site: Crandell #3

Job ID: 885-44664-1

Client Sample ID: SW03

Lab Sample ID: 885-44664-3

Date Collected: 03/04/26 11:39

Matrix: Solid

Date Received: 03/05/26 06:30

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		03/06/26 09:56	03/09/26 09:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			03/06/26 09:56	03/09/26 09:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/06/26 09:56	03/09/26 09:03	1
Ethylbenzene	ND		0.048	mg/Kg		03/06/26 09:56	03/09/26 09:03	1
Toluene	0.22		0.048	mg/Kg		03/06/26 09:56	03/09/26 09:03	1
Xylenes, Total	0.12		0.096	mg/Kg		03/06/26 09:56	03/09/26 09:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		15 - 150			03/06/26 09:56	03/09/26 09:03	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]	11		9.5	mg/Kg		03/06/26 11:12	03/06/26 21:32	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		03/06/26 11:12	03/06/26 21:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87		62 - 134			03/06/26 11:12	03/06/26 21:32	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		03/06/26 14:15	03/06/26 19:10	10

Client Sample Results

Client: Hilcorp Energy
 Project/Site: Crandell #3

Job ID: 885-44664-1

Client Sample ID: SW04

Lab Sample ID: 885-44664-4

Date Collected: 03/04/26 13:04

Matrix: Solid

Date Received: 03/05/26 06:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	46		4.9	mg/Kg		03/06/26 09:56	03/09/26 09:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	160	S1+	15 - 150			03/06/26 09:56	03/09/26 09:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/06/26 09:56	03/09/26 09:26	1
Ethylbenzene	0.12		0.049	mg/Kg		03/06/26 09:56	03/09/26 09:26	1
Toluene	0.27		0.049	mg/Kg		03/06/26 09:56	03/09/26 09:26	1
Xylenes, Total	0.94		0.097	mg/Kg		03/06/26 09:56	03/09/26 09:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 150			03/06/26 09:56	03/09/26 09:26	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]	25		9.3	mg/Kg		03/06/26 11:12	03/06/26 21:44	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		03/06/26 11:12	03/06/26 21:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	86		62 - 134			03/06/26 11:12	03/06/26 21:44	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49	mg/Kg		03/06/26 14:15	03/06/26 19:20	10

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
 Project/Site: Crandell #3

Job ID: 885-44664-1

Client Sample ID: SW05

Lab Sample ID: 885-44664-5

Date Collected: 03/04/26 11:42

Matrix: Solid

Date Received: 03/05/26 06:30

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		03/06/26 09:56	03/09/26 09:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			03/06/26 09:56	03/09/26 09:50	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/06/26 09:56	03/09/26 09:50	1
Ethylbenzene	ND		0.048	mg/Kg		03/06/26 09:56	03/09/26 09:50	1
Toluene	0.050		0.048	mg/Kg		03/06/26 09:56	03/09/26 09:50	1
Xylenes, Total	ND		0.096	mg/Kg		03/06/26 09:56	03/09/26 09:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		15 - 150			03/06/26 09:56	03/09/26 09:50	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		9.9	mg/Kg		03/06/26 11:12	03/06/26 21:55	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		03/06/26 11:12	03/06/26 21:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87		62 - 134			03/06/26 11:12	03/06/26 21:55	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		03/06/26 14:15	03/06/26 19:31	10

Client Sample Results

Client: Hilcorp Energy
 Project/Site: Crandell #3

Job ID: 885-44664-1

Client Sample ID: FS01

Lab Sample ID: 885-44664-6

Date Collected: 03/04/26 11:43

Matrix: Solid

Date Received: 03/05/26 06:30

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		03/06/26 09:56	03/08/26 03:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			03/06/26 09:56	03/08/26 03:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/06/26 09:56	03/08/26 03:53	1
Ethylbenzene	ND		0.048	mg/Kg		03/06/26 09:56	03/08/26 03:53	1
Toluene	ND		0.048	mg/Kg		03/06/26 09:56	03/08/26 03:53	1
Xylenes, Total	ND		0.097	mg/Kg		03/06/26 09:56	03/08/26 03:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		15 - 150			03/06/26 09:56	03/08/26 03:53	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]	ND		9.8	mg/Kg		03/06/26 11:12	03/06/26 22:07	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		03/06/26 11:12	03/06/26 22:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	86		62 - 134			03/06/26 11:12	03/06/26 22:07	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		03/06/26 14:15	03/06/26 19:41	10

Client Sample Results

Client: Hilcorp Energy
 Project/Site: Crandell #3

Job ID: 885-44664-1

Client Sample ID: FS02

Lab Sample ID: 885-44664-7

Date Collected: 03/04/26 11:44

Matrix: Solid

Date Received: 03/05/26 06:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	12		4.7	mg/Kg		03/06/26 09:56	03/09/26 10:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		15 - 150			03/06/26 09:56	03/09/26 10:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		03/06/26 09:56	03/09/26 10:14	1
Ethylbenzene	ND		0.047	mg/Kg		03/06/26 09:56	03/09/26 10:14	1
Toluene	0.058		0.047	mg/Kg		03/06/26 09:56	03/09/26 10:14	1
Xylenes, Total	0.12		0.093	mg/Kg		03/06/26 09:56	03/09/26 10:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		15 - 150			03/06/26 09:56	03/09/26 10:14	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]	11		9.5	mg/Kg		03/06/26 11:12	03/06/26 22:19	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		03/06/26 11:12	03/06/26 22:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87		62 - 134			03/06/26 11:12	03/06/26 22:19	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		03/06/26 14:15	03/06/26 19:51	10

Client Sample Results

Client: Hilcorp Energy
 Project/Site: Crandell #3

Job ID: 885-44664-1

Client Sample ID: FS03

Lab Sample ID: 885-44664-8

Date Collected: 03/04/26 11:46

Matrix: Solid

Date Received: 03/05/26 06:30

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		03/06/26 09:56	03/08/26 04:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		15 - 150			03/06/26 09:56	03/08/26 04:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		03/06/26 09:56	03/08/26 04:16	1
Ethylbenzene	ND		0.047	mg/Kg		03/06/26 09:56	03/08/26 04:16	1
Toluene	ND		0.047	mg/Kg		03/06/26 09:56	03/08/26 04:16	1
Xylenes, Total	ND		0.093	mg/Kg		03/06/26 09:56	03/08/26 04:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		15 - 150			03/06/26 09:56	03/08/26 04:16	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		9.5	mg/Kg		03/06/26 11:12	03/06/26 22:42	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		03/06/26 11:12	03/06/26 22:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	88		62 - 134			03/06/26 11:12	03/06/26 22:42	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		03/06/26 14:15	03/06/26 20:02	10

Client Sample Results

Client: Hilcorp Energy
 Project/Site: Crandell #3

Job ID: 885-44664-1

Client Sample ID: FS04

Lab Sample ID: 885-44664-9

Date Collected: 03/04/26 11:47

Matrix: Solid

Date Received: 03/05/26 06:30

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		4.6	mg/Kg		03/06/26 09:56	03/08/26 04:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			03/06/26 09:56	03/08/26 04:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		03/06/26 09:56	03/08/26 04:40	1
Ethylbenzene	ND		0.046	mg/Kg		03/06/26 09:56	03/08/26 04:40	1
Toluene	ND		0.046	mg/Kg		03/06/26 09:56	03/08/26 04:40	1
Xylenes, Total	ND		0.092	mg/Kg		03/06/26 09:56	03/08/26 04:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		15 - 150			03/06/26 09:56	03/08/26 04:40	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		03/06/26 11:12	03/06/26 22:54	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		03/06/26 11:12	03/06/26 22:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	88		62 - 134			03/06/26 11:12	03/06/26 22:54	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		03/06/26 14:15	03/06/26 20:12	10

Client Sample Results

Client: Hilcorp Energy
 Project/Site: Crandell #3

Job ID: 885-44664-1

Client Sample ID: FS05

Lab Sample ID: 885-44664-10

Date Collected: 03/04/26 11:48

Matrix: Solid

Date Received: 03/05/26 06:30

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		4.6	mg/Kg		03/06/26 15:30	03/08/26 06:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			03/06/26 15:30	03/08/26 06:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		03/06/26 15:30	03/08/26 06:14	1
Ethylbenzene	ND		0.046	mg/Kg		03/06/26 15:30	03/08/26 06:14	1
Toluene	ND		0.046	mg/Kg		03/06/26 15:30	03/08/26 06:14	1
Xylenes, Total	ND		0.093	mg/Kg		03/06/26 15:30	03/08/26 06:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		15 - 150			03/06/26 15:30	03/08/26 06:14	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]	12		9.8	mg/Kg		03/09/26 11:48	03/09/26 16:36	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		03/09/26 11:48	03/09/26 16:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	127		62 - 134			03/09/26 11:48	03/09/26 16:36	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49	mg/Kg		03/08/26 11:17	03/08/26 15:03	10

QC Sample Results

Client: Hilcorp Energy
Project/Site: Crandell #3

Job ID: 885-44664-1

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

Lab Sample ID: MB 885-44400/1-A
Matrix: Solid
Analysis Batch: 44470

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44400

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		03/06/26 09:56	03/07/26 16:37	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			03/06/26 09:56	03/07/26 16:37	1

Lab Sample ID: LCS 885-44400/2-A
Matrix: Solid
Analysis Batch: 44470

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44400

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)	206		15 - 150				

Lab Sample ID: MB 885-44450/1-A
Matrix: Solid
Analysis Batch: 44475

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44450

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		03/06/26 15:30	03/08/26 05:51	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			03/06/26 15:30	03/08/26 05:51	1

Lab Sample ID: LCS 885-44450/2-A
Matrix: Solid
Analysis Batch: 44475

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44450

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	25.0	22.4		mg/Kg		90	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	189		15 - 150				

Lab Sample ID: 885-44664-10 MS
Matrix: Solid
Analysis Batch: 44475

Client Sample ID: FS05
Prep Type: Total/NA
Prep Batch: 44450

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	ND		23.4	33.3	F1	mg/Kg		143	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	223		15 - 150						

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QC Sample Results

Client: Hilcorp Energy
Project/Site: Crandell #3

Job ID: 885-44664-1

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

Lab Sample ID: 885-44664-10 MSD
Matrix: Solid
Analysis Batch: 44475

Client Sample ID: FS05
Prep Type: Total/NA
Prep Batch: 44450

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	30.7		mg/Kg		129	70 - 130	8	20
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	215		15 - 150								

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-44400/1-A
Matrix: Solid
Analysis Batch: 44471

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44400

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/06/26 09:56	03/07/26 16:37	1
Ethylbenzene	ND		0.050	mg/Kg		03/06/26 09:56	03/07/26 16:37	1
Toluene	ND		0.050	mg/Kg		03/06/26 09:56	03/07/26 16:37	1
Xylenes, Total	ND		0.10	mg/Kg		03/06/26 09:56	03/07/26 16:37	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	84		15 - 150	03/06/26 09:56	03/07/26 16:37	1		

Lab Sample ID: LCS 885-44400/3-A
Matrix: Solid
Analysis Batch: 44471

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44400

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.891		mg/Kg		89	70 - 130
Ethylbenzene	1.00	0.891		mg/Kg		89	70 - 130
m&p-Xylene	2.00	1.85		mg/Kg		93	70 - 130
o-Xylene	1.00	0.905		mg/Kg		90	70 - 130
Toluene	1.00	0.912		mg/Kg		91	70 - 130
Xylenes, Total	3.00	2.76		mg/Kg		92	70 - 130
Surrogate	%Recovery	Qualifier	Limits				
4-Bromofluorobenzene (Surr)	86		15 - 150				

Lab Sample ID: MB 885-44450/1-A
Matrix: Solid
Analysis Batch: 44476

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44450

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/06/26 15:30	03/08/26 05:51	1
Ethylbenzene	ND		0.050	mg/Kg		03/06/26 15:30	03/08/26 05:51	1
Toluene	ND		0.050	mg/Kg		03/06/26 15:30	03/08/26 05:51	1
Xylenes, Total	ND		0.10	mg/Kg		03/06/26 15:30	03/08/26 05:51	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	83		15 - 150	03/06/26 15:30	03/08/26 05:51	1		

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QC Sample Results

Client: Hilcorp Energy
Project/Site: Crandell #3

Job ID: 885-44664-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: LCS 885-44450/3-A
Matrix: Solid
Analysis Batch: 44476

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44450

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene	1.00	0.823		mg/Kg		82	70 - 130	
Ethylbenzene	1.00	0.824		mg/Kg		82	70 - 130	
m&p-Xylene	2.00	1.69		mg/Kg		84	70 - 130	
o-Xylene	1.00	0.824		mg/Kg		82	70 - 130	
Toluene	1.00	0.851		mg/Kg		85	70 - 130	
Xylenes, Total	3.00	2.51		mg/Kg		84	70 - 130	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	84		15 - 150

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

Lab Sample ID: MB 885-44407/1-A
Matrix: Solid
Analysis Batch: 44505

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44407

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		03/06/26 11:12	03/09/26 12:53	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		03/06/26 11:12	03/09/26 12:53	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Di-n-octyl phthalate (Surr)	107		62 - 134	03/06/26 11:12	03/09/26 12:53	1

Lab Sample ID: LCS 885-44407/2-A
Matrix: Solid
Analysis Batch: 44391

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44407

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Diesel Range Organics [C10-C28]	50.0	58.3		mg/Kg		117	51 - 148	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Di-n-octyl phthalate (Surr)	92		62 - 134

Lab Sample ID: 885-44664-9 MS
Matrix: Solid
Analysis Batch: 44391

Client Sample ID: FS04
Prep Type: Total/NA
Prep Batch: 44407

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Diesel Range Organics [C10-C28]	ND		47.7	52.5		mg/Kg		110	44 - 136	

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
Di-n-octyl phthalate (Surr)	94		62 - 134

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QC Sample Results

Client: Hilcorp Energy
Project/Site: Crandell #3

Job ID: 885-44664-1

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

Lab Sample ID: 885-44664-9 MSD
Matrix: Solid
Analysis Batch: 44391

Client Sample ID: FS04
Prep Type: Total/NA
Prep Batch: 44407

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	49.2		mg/Kg		103	44 - 136	6	32
Surrogate	%Recovery	Qualifier	Limits								
Di-n-octyl phthalate (Surr)	92		62 - 134								

Lab Sample ID: MB 885-44515/1-A
Matrix: Solid
Analysis Batch: 44500

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44515

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		03/09/26 11:48	03/09/26 16:14	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		03/09/26 11:48	03/09/26 16:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	108		62 - 134			03/09/26 11:48	03/09/26 16:14	1

Lab Sample ID: LCS 885-44515/2-A
Matrix: Solid
Analysis Batch: 44500

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44515

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	59.8		mg/Kg		120	51 - 148
Surrogate	%Recovery	Qualifier	Limits				
Di-n-octyl phthalate (Surr)	107		62 - 134				

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-44439/1-A
Matrix: Solid
Analysis Batch: 44433

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44439

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.0	mg/Kg		03/06/26 14:15	03/06/26 15:12	1

Lab Sample ID: LCS 885-44439/2-A
Matrix: Solid
Analysis Batch: 44433

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44439

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.3	50.0		mg/Kg		99	90 - 110

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QC Sample Results

Client: Hilcorp Energy
 Project/Site: Crandell #3

Job ID: 885-44664-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 885-44481/1-A
 Matrix: Solid
 Analysis Batch: 44483

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 44481

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.1	mg/Kg		03/08/26 11:17	03/08/26 11:51	1

Lab Sample ID: LCS 885-44481/2-A
 Matrix: Solid
 Analysis Batch: 44483

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 44481

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	49.3	49.8		mg/Kg		101	90 - 110

QC Association Summary

Client: Hilcorp Energy
 Project/Site: Crandell #3

Job ID: 885-44664-1

GC VOA

Prep Batch: 44400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-44664-1	SW01	Total/NA	Solid	5030C	
885-44664-2	SW02	Total/NA	Solid	5030C	
885-44664-3	SW03	Total/NA	Solid	5030C	
885-44664-4	SW04	Total/NA	Solid	5030C	
885-44664-5	SW05	Total/NA	Solid	5030C	
885-44664-6	FS01	Total/NA	Solid	5030C	
885-44664-7	FS02	Total/NA	Solid	5030C	
885-44664-8	FS03	Total/NA	Solid	5030C	
885-44664-9	FS04	Total/NA	Solid	5030C	
MB 885-44400/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-44400/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-44400/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Prep Batch: 44450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-44664-10	FS05	Total/NA	Solid	5030C	
MB 885-44450/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-44450/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-44450/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-44664-10 MS	FS05	Total/NA	Solid	5030C	
885-44664-10 MSD	FS05	Total/NA	Solid	5030C	

Analysis Batch: 44470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-44664-1	SW01	Total/NA	Solid	8015M/D	44400
885-44664-2	SW02	Total/NA	Solid	8015M/D	44400
885-44664-6	FS01	Total/NA	Solid	8015M/D	44400
885-44664-8	FS03	Total/NA	Solid	8015M/D	44400
885-44664-9	FS04	Total/NA	Solid	8015M/D	44400
MB 885-44400/1-A	Method Blank	Total/NA	Solid	8015M/D	44400
LCS 885-44400/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	44400

Analysis Batch: 44471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-44664-1	SW01	Total/NA	Solid	8021B	44400
885-44664-2	SW02	Total/NA	Solid	8021B	44400
885-44664-6	FS01	Total/NA	Solid	8021B	44400
885-44664-8	FS03	Total/NA	Solid	8021B	44400
885-44664-9	FS04	Total/NA	Solid	8021B	44400
MB 885-44400/1-A	Method Blank	Total/NA	Solid	8021B	44400
LCS 885-44400/3-A	Lab Control Sample	Total/NA	Solid	8021B	44400

Analysis Batch: 44475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-44664-10	FS05	Total/NA	Solid	8015M/D	44450
MB 885-44450/1-A	Method Blank	Total/NA	Solid	8015M/D	44450
LCS 885-44450/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	44450
885-44664-10 MS	FS05	Total/NA	Solid	8015M/D	44450
885-44664-10 MSD	FS05	Total/NA	Solid	8015M/D	44450

Eurofins Albuquerque

QC Association Summary

Client: Hilcorp Energy
 Project/Site: Crandell #3

Job ID: 885-44664-1

GC VOA

Analysis Batch: 44476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-44664-10	FS05	Total/NA	Solid	8021B	44450
MB 885-44450/1-A	Method Blank	Total/NA	Solid	8021B	44450
LCS 885-44450/3-A	Lab Control Sample	Total/NA	Solid	8021B	44450

Analysis Batch: 44494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-44664-3	SW03	Total/NA	Solid	8015M/D	44400
885-44664-4	SW04	Total/NA	Solid	8015M/D	44400
885-44664-5	SW05	Total/NA	Solid	8015M/D	44400
885-44664-7	FS02	Total/NA	Solid	8015M/D	44400

Analysis Batch: 44495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-44664-3	SW03	Total/NA	Solid	8021B	44400
885-44664-4	SW04	Total/NA	Solid	8021B	44400
885-44664-5	SW05	Total/NA	Solid	8021B	44400
885-44664-7	FS02	Total/NA	Solid	8021B	44400

GC Semi VOA

Analysis Batch: 44391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-44664-1	SW01	Total/NA	Solid	8015M/D	44407
885-44664-2	SW02	Total/NA	Solid	8015M/D	44407
885-44664-3	SW03	Total/NA	Solid	8015M/D	44407
885-44664-4	SW04	Total/NA	Solid	8015M/D	44407
885-44664-5	SW05	Total/NA	Solid	8015M/D	44407
885-44664-6	FS01	Total/NA	Solid	8015M/D	44407
885-44664-7	FS02	Total/NA	Solid	8015M/D	44407
885-44664-8	FS03	Total/NA	Solid	8015M/D	44407
885-44664-9	FS04	Total/NA	Solid	8015M/D	44407
LCS 885-44407/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	44407
885-44664-9 MS	FS04	Total/NA	Solid	8015M/D	44407
885-44664-9 MSD	FS04	Total/NA	Solid	8015M/D	44407

Prep Batch: 44407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-44664-1	SW01	Total/NA	Solid	SHAKE	
885-44664-2	SW02	Total/NA	Solid	SHAKE	
885-44664-3	SW03	Total/NA	Solid	SHAKE	
885-44664-4	SW04	Total/NA	Solid	SHAKE	
885-44664-5	SW05	Total/NA	Solid	SHAKE	
885-44664-6	FS01	Total/NA	Solid	SHAKE	
885-44664-7	FS02	Total/NA	Solid	SHAKE	
885-44664-8	FS03	Total/NA	Solid	SHAKE	
885-44664-9	FS04	Total/NA	Solid	SHAKE	
MB 885-44407/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-44407/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-44664-9 MS	FS04	Total/NA	Solid	SHAKE	
885-44664-9 MSD	FS04	Total/NA	Solid	SHAKE	

Eurofins Albuquerque

QC Association Summary

Client: Hilcorp Energy
 Project/Site: Crandell #3

Job ID: 885-44664-1

GC Semi VOA

Analysis Batch: 44500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-44664-10	FS05	Total/NA	Solid	8015M/D	44515
MB 885-44515/1-A	Method Blank	Total/NA	Solid	8015M/D	44515
LCS 885-44515/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	44515

Analysis Batch: 44505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-44407/1-A	Method Blank	Total/NA	Solid	8015M/D	44407

Prep Batch: 44515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-44664-10	FS05	Total/NA	Solid	SHAKE	
MB 885-44515/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-44515/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

HPLC/IC

Analysis Batch: 44433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-44664-1	SW01	Total/NA	Solid	300.0	44439
885-44664-2	SW02	Total/NA	Solid	300.0	44439
885-44664-3	SW03	Total/NA	Solid	300.0	44439
885-44664-4	SW04	Total/NA	Solid	300.0	44439
885-44664-5	SW05	Total/NA	Solid	300.0	44439
885-44664-6	FS01	Total/NA	Solid	300.0	44439
885-44664-7	FS02	Total/NA	Solid	300.0	44439
885-44664-8	FS03	Total/NA	Solid	300.0	44439
885-44664-9	FS04	Total/NA	Solid	300.0	44439
MB 885-44439/1-A	Method Blank	Total/NA	Solid	300.0	44439
LCS 885-44439/2-A	Lab Control Sample	Total/NA	Solid	300.0	44439

Prep Batch: 44439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-44664-1	SW01	Total/NA	Solid	300_Prep	
885-44664-2	SW02	Total/NA	Solid	300_Prep	
885-44664-3	SW03	Total/NA	Solid	300_Prep	
885-44664-4	SW04	Total/NA	Solid	300_Prep	
885-44664-5	SW05	Total/NA	Solid	300_Prep	
885-44664-6	FS01	Total/NA	Solid	300_Prep	
885-44664-7	FS02	Total/NA	Solid	300_Prep	
885-44664-8	FS03	Total/NA	Solid	300_Prep	
885-44664-9	FS04	Total/NA	Solid	300_Prep	
MB 885-44439/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-44439/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Prep Batch: 44481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-44664-10	FS05	Total/NA	Solid	300_Prep	
MB 885-44481/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-44481/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Eurofins Albuquerque

QC Association Summary

Client: Hilcorp Energy
Project/Site: Crandell #3

Job ID: 885-44664-1

HPLC/IC

Analysis Batch: 44483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-44664-10	FS05	Total/NA	Solid	300.0	44481
MB 885-44481/1-A	Method Blank	Total/NA	Solid	300.0	44481
LCS 885-44481/2-A	Lab Control Sample	Total/NA	Solid	300.0	44481

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Lab Chronicle

Client: Hilcorp Energy
Project/Site: Crandell #3

Job ID: 885-44664-1

Client Sample ID: SW01

Lab Sample ID: 885-44664-1

Date Collected: 03/04/26 11:29

Matrix: Solid

Date Received: 03/05/26 06:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			44400	VP	EET ALB	03/06/26 09:56
Total/NA	Analysis	8015M/D		1	44470	VP	EET ALB	03/08/26 03:06
Total/NA	Prep	5030C			44400	VP	EET ALB	03/06/26 09:56
Total/NA	Analysis	8021B		1	44471	VP	EET ALB	03/08/26 03:06
Total/NA	Prep	SHAKE			44407	BV	EET ALB	03/06/26 11:12
Total/NA	Analysis	8015M/D		1	44391	BV	EET ALB	03/06/26 21:08
Total/NA	Prep	300_Prep			44439	EH	EET ALB	03/06/26 14:15
Total/NA	Analysis	300.0		10	44433	EH	EET ALB	03/06/26 18:49

Client Sample ID: SW02

Lab Sample ID: 885-44664-2

Date Collected: 03/04/26 13:00

Matrix: Solid

Date Received: 03/05/26 06:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			44400	VP	EET ALB	03/06/26 09:56
Total/NA	Analysis	8015M/D		1	44470	VP	EET ALB	03/08/26 03:29
Total/NA	Prep	5030C			44400	VP	EET ALB	03/06/26 09:56
Total/NA	Analysis	8021B		1	44471	VP	EET ALB	03/08/26 03:29
Total/NA	Prep	SHAKE			44407	BV	EET ALB	03/06/26 11:12
Total/NA	Analysis	8015M/D		1	44391	BV	EET ALB	03/06/26 21:20
Total/NA	Prep	300_Prep			44439	EH	EET ALB	03/06/26 14:15
Total/NA	Analysis	300.0		10	44433	EH	EET ALB	03/06/26 19:00

Client Sample ID: SW03

Lab Sample ID: 885-44664-3

Date Collected: 03/04/26 11:39

Matrix: Solid

Date Received: 03/05/26 06:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			44400	VP	EET ALB	03/06/26 09:56
Total/NA	Analysis	8015M/D		1	44494	VP	EET ALB	03/09/26 09:03
Total/NA	Prep	5030C			44400	VP	EET ALB	03/06/26 09:56
Total/NA	Analysis	8021B		1	44495	VP	EET ALB	03/09/26 09:03
Total/NA	Prep	SHAKE			44407	BV	EET ALB	03/06/26 11:12
Total/NA	Analysis	8015M/D		1	44391	BV	EET ALB	03/06/26 21:32
Total/NA	Prep	300_Prep			44439	EH	EET ALB	03/06/26 14:15
Total/NA	Analysis	300.0		10	44433	EH	EET ALB	03/06/26 19:10

Client Sample ID: SW04

Lab Sample ID: 885-44664-4

Date Collected: 03/04/26 13:04

Matrix: Solid

Date Received: 03/05/26 06:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			44400	VP	EET ALB	03/06/26 09:56
Total/NA	Analysis	8015M/D		1	44494	VP	EET ALB	03/09/26 09:26

Eurofins Albuquerque

Lab Chronicle

Client: Hilcorp Energy
 Project/Site: Crandell #3

Job ID: 885-44664-1

Client Sample ID: SW04
 Date Collected: 03/04/26 13:04
 Date Received: 03/05/26 06:30

Lab Sample ID: 885-44664-4
 Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			44400	VP	EET ALB	03/06/26 09:56
Total/NA	Analysis	8021B		1	44495	VP	EET ALB	03/09/26 09:26
Total/NA	Prep	SHAKE			44407	BV	EET ALB	03/06/26 11:12
Total/NA	Analysis	8015M/D		1	44391	BV	EET ALB	03/06/26 21:44
Total/NA	Prep	300_Prep			44439	EH	EET ALB	03/06/26 14:15
Total/NA	Analysis	300.0		10	44433	EH	EET ALB	03/06/26 19:20

Client Sample ID: SW05
 Date Collected: 03/04/26 11:42
 Date Received: 03/05/26 06:30

Lab Sample ID: 885-44664-5
 Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			44400	VP	EET ALB	03/06/26 09:56
Total/NA	Analysis	8015M/D		1	44494	VP	EET ALB	03/09/26 09:50
Total/NA	Prep	5030C			44400	VP	EET ALB	03/06/26 09:56
Total/NA	Analysis	8021B		1	44495	VP	EET ALB	03/09/26 09:50
Total/NA	Prep	SHAKE			44407	BV	EET ALB	03/06/26 11:12
Total/NA	Analysis	8015M/D		1	44391	BV	EET ALB	03/06/26 21:55
Total/NA	Prep	300_Prep			44439	EH	EET ALB	03/06/26 14:15
Total/NA	Analysis	300.0		10	44433	EH	EET ALB	03/06/26 19:31

Client Sample ID: FS01
 Date Collected: 03/04/26 11:43
 Date Received: 03/05/26 06:30

Lab Sample ID: 885-44664-6
 Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			44400	VP	EET ALB	03/06/26 09:56
Total/NA	Analysis	8015M/D		1	44470	VP	EET ALB	03/08/26 03:53
Total/NA	Prep	5030C			44400	VP	EET ALB	03/06/26 09:56
Total/NA	Analysis	8021B		1	44471	VP	EET ALB	03/08/26 03:53
Total/NA	Prep	SHAKE			44407	BV	EET ALB	03/06/26 11:12
Total/NA	Analysis	8015M/D		1	44391	BV	EET ALB	03/06/26 22:07
Total/NA	Prep	300_Prep			44439	EH	EET ALB	03/06/26 14:15
Total/NA	Analysis	300.0		10	44433	EH	EET ALB	03/06/26 19:41

Client Sample ID: FS02
 Date Collected: 03/04/26 11:44
 Date Received: 03/05/26 06:30

Lab Sample ID: 885-44664-7
 Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			44400	VP	EET ALB	03/06/26 09:56
Total/NA	Analysis	8015M/D		1	44494	VP	EET ALB	03/09/26 10:14
Total/NA	Prep	5030C			44400	VP	EET ALB	03/06/26 09:56
Total/NA	Analysis	8021B		1	44495	VP	EET ALB	03/09/26 10:14

Eurofins Albuquerque

Lab Chronicle

Client: Hilcorp Energy
 Project/Site: Crandell #3

Job ID: 885-44664-1

Client Sample ID: FS02

Lab Sample ID: 885-44664-7

Date Collected: 03/04/26 11:44

Matrix: Solid

Date Received: 03/05/26 06:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			44407	BV	EET ALB	03/06/26 11:12
Total/NA	Analysis	8015M/D		1	44391	BV	EET ALB	03/06/26 22:19
Total/NA	Prep	300_Prep			44439	EH	EET ALB	03/06/26 14:15
Total/NA	Analysis	300.0		10	44433	EH	EET ALB	03/06/26 19:51

Client Sample ID: FS03

Lab Sample ID: 885-44664-8

Date Collected: 03/04/26 11:46

Matrix: Solid

Date Received: 03/05/26 06:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			44400	VP	EET ALB	03/06/26 09:56
Total/NA	Analysis	8015M/D		1	44470	VP	EET ALB	03/08/26 04:16
Total/NA	Prep	5030C			44400	VP	EET ALB	03/06/26 09:56
Total/NA	Analysis	8021B		1	44471	VP	EET ALB	03/08/26 04:16
Total/NA	Prep	SHAKE			44407	BV	EET ALB	03/06/26 11:12
Total/NA	Analysis	8015M/D		1	44391	BV	EET ALB	03/06/26 22:42
Total/NA	Prep	300_Prep			44439	EH	EET ALB	03/06/26 14:15
Total/NA	Analysis	300.0		10	44433	EH	EET ALB	03/06/26 20:02

Client Sample ID: FS04

Lab Sample ID: 885-44664-9

Date Collected: 03/04/26 11:47

Matrix: Solid

Date Received: 03/05/26 06:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			44400	VP	EET ALB	03/06/26 09:56
Total/NA	Analysis	8015M/D		1	44470	VP	EET ALB	03/08/26 04:40
Total/NA	Prep	5030C			44400	VP	EET ALB	03/06/26 09:56
Total/NA	Analysis	8021B		1	44471	VP	EET ALB	03/08/26 04:40
Total/NA	Prep	SHAKE			44407	BV	EET ALB	03/06/26 11:12
Total/NA	Analysis	8015M/D		1	44391	BV	EET ALB	03/06/26 22:54
Total/NA	Prep	300_Prep			44439	EH	EET ALB	03/06/26 14:15
Total/NA	Analysis	300.0		10	44433	EH	EET ALB	03/06/26 20:12

Client Sample ID: FS05

Lab Sample ID: 885-44664-10

Date Collected: 03/04/26 11:48

Matrix: Solid

Date Received: 03/05/26 06:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			44450	JP	EET ALB	03/06/26 15:30
Total/NA	Analysis	8015M/D		1	44475	VP	EET ALB	03/08/26 06:14
Total/NA	Prep	5030C			44450	JP	EET ALB	03/06/26 15:30
Total/NA	Analysis	8021B		1	44476	VP	EET ALB	03/08/26 06:14
Total/NA	Prep	SHAKE			44515	BV	EET ALB	03/09/26 11:48
Total/NA	Analysis	8015M/D		1	44500	EM	EET ALB	03/09/26 16:36

Eurofins Albuquerque

Lab Chronicle

Client: Hilcorp Energy
Project/Site: Crandell #3

Job ID: 885-44664-1

Client Sample ID: FS05

Lab Sample ID: 885-44664-10

Date Collected: 03/04/26 11:48

Matrix: Solid

Date Received: 03/05/26 06:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			44481	JT	EET ALB	03/08/26 11:17
Total/NA	Analysis	300.0		10	44483	JT	EET ALB	03/08/26 15:03

Laboratory References:

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

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Accreditation/Certification Summary

Client: Hilcorp Energy
 Project/Site: Crandell #3

Job ID: 885-44664-1

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	02-25-26 *
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	02-25-27

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Chain-of-Custody Record

Client: Hilcorp Energy Company

Mailing Address: _____

Phone #: _____

email or Fax#: mkillough@hilcorp.com

QA/QC Package: Standard Level 4 (Full Validation)

Accreditation: Az Compliance Other

NELAC Other

EDD (Type) _____

Turn-Around Time: 5 day Standard Rush

Project Name: Crandell #3

Project #: Crandell #3

Project Manager: Mitch Killough

Sampler: Ari Schermer

On Ice: Yes No

of Coolers: 1

Cooler Temp (including CF): 1.3 x 0.2 = 1.5 (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
<u>3/4/26</u>	<u>1129</u>	<u>Soil</u>	<u>SW01</u>	<u>402.1</u>	<u>on ICE</u>	
	<u>1300</u>		<u>SW02</u>			
	<u>1139</u>		<u>SW03</u>			
	<u>1304</u>		<u>SW04</u>			
	<u>1142</u>		<u>SW05</u>			
	<u>1143</u>		<u>F501</u>			
	<u>1144</u>		<u>F502</u>			
	<u>1146</u>		<u>F503</u>			
	<u>1147</u>		<u>F504</u>			
	<u>1148</u>		<u>F505</u>			

Date: 3/4/26 Time: 1412


Date: 3/4/26 Time: 1730

Relinquished by: [Signature]

Relinquished by: [Signature]

Received by: [Signature] Date: 3/4/26 Time: 1412

Received by: [Signature] Date: 3/5/26 Time: 6:30



HALL ENVIRONM ANALYSIS LAB

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 871

Tel. 505-345-3975 Fax 505-345-4107

885-44664 COC

Analysis Request

<input checked="" type="checkbox"/> BTEX, MTBE / TMB's (8021)	
<input checked="" type="checkbox"/> TPH: B015D (GRO / DRO / MRO)	
8081 Pesticides/8082 PCB's	
EDB (Method 504.1)	
PAHs by 8310 or 8270SIMS	
RCA 8 Metals	
Cl ⁻ , F ⁻ , Br ⁻ , NO ₂ ⁻ , NO ₃ ⁻ , PO ₄ ³⁻ , SO ₄ ²⁻	
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	

Remarks: CC: shyde@ensolum.com
wweichert@ensolum.com
aschermer@ensolum.com

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.

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Login Sample Receipt Checklist

Client: Hilcorp Energy

Job Number: 885-44664-1

Login Number: 44664

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.	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	



APPENDIX D

Agency Correspondence

From: [Rodgers, Scott, EMNRD](#)
To: [Wes Weichert](#)
Cc: [Mitch Killough](#); [Stuart Hyde](#)
Subject: RE: [EXTERNAL] nAPP2533424802 - Crandell #3 Extension Request
Date: Monday, February 16, 2026 1:49:03 PM
Attachments: [image006.png](#)
[image007.png](#)
[image008.png](#)
[image009.png](#)

[**EXTERNAL EMAIL**]

Your time extension request is approved. Remediation Due date has been updated to May 24, 2026 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.

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/oed>



From: Wes Weichert <wweichert@ensolum.com>
Sent: Monday, February 16, 2026 12:23 PM
To: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Mitch Killough <mkillough@hilcorp.com>; Stuart Hyde <shyde@ensolum.com>
Subject: [EXTERNAL] nAPP2533424802 - Crandell #3 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, Ensolum respectfully requests a 90-day extension to the February 23, 2026, reporting deadline for the Crandell #3 (30-045-25411) release.

Pothole delineation activities have been completed and indicate that TPH impacts are limited to a small, localized area and confined to a depth of approximately 9-feet bgs. Figure and analytical summary attached. Based on these results, remediation can be effectively addressed through a limited excavation. Excavation and confirmation sampling is scheduled for tomorrow February 17 and 18, 2026. A sampling notification was submitted to the NMOCD last week. Given the proximity to the current reporting deadline, additional time is needed to receive laboratory analytical results and prepare a complete and defensible Closure Request.

Hilcorp therefore requests a 90-day extension, extending the reporting deadline to **May 24, 2026**.

Thank you for your consideration. Please let us know if any additional information is needed.

Best Regards



Wes Weichert, PG*

**Licensed in WY & TX*

Senior Geologist

816-266-8732

Ensolum, LLC

in f 

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

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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 557143

QUESTIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 557143
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2533424802
Incident Name	NAPP2533424802 CRANDELL 3 @ 30-045-25411
Incident Type	Release Other
Incident Status	Initial C-141 Approved
Incident Well	[30-045-25411] CRANDELL #003

Location of Release Source	
Site Name	CRANDELL 3
Date Release Discovered	11/25/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	1,000
What is the estimated number of samples that will be gathered	5
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/04/2026
Time sampling will commence	10:00 AM
Please provide any information necessary for observers to contact samplers	Contact PM Wes Weichert 816-266-8732 or Stuart Hyde 970-903-1607
Please provide any information necessary for navigation to sampling site	Crandell #3 (30-045-25411) 36.859897, -108.07084

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CONDITIONS

Action 557143

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 557143
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
shyde	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.	2/24/2026
shyde	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.	2/24/2026

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QUESTIONS

Action 574860

QUESTIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 574860
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2533424802
Incident Name	NAPP2533424802 CRANDELL 3 @ 30-045-25411
Incident Type	Release Other
Incident Status	Remediation Closure Report Received
Incident Well	[30-045-25411] CRANDELL #003

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	CRANDELL 3
Date Release Discovered	11/25/2025
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Release Other
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	
<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 Production Tank Produced Water Released: 8 BBL Recovered: 0 BBL Lost: 8 BBL.
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: 12 BBL Recovered: 0 BBL Lost: 12 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 11/25/2025 at 1:10 pm (MT), a lease operator discovered a 19.8-bbl release (8.2 bbls produced water / 11.6 bbls condensate) at a 210-bbl condensate storage tank while on location for a routine tank gauging visit. The operator discovered a hole approximately four inches above the bottom of the storage tank (and below the loadline). The operator was able to secure the spill source shortly after discovery and shut-in the site. Fluid Management was able to coordinate an emergency oil sale in order to get the remaining fluid below the loadline out of the storage tank. Although all fluids remained on the pad, no fluids could be recovered below the storage tank. Primary cause has been determined to be corrosion.

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QUESTIONS, Page 2

Action 574860

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 574860
	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	<i>Unavailable.</i>
<i>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.</i>	

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	<i>Not answered.</i>

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: 04/13/2026
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QUESTIONS, Page 3

Action 574860

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 574860
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<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	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 300 and 500 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1000 (ft.) and ½ (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 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1000 (ft.) and ½ (mi.)
A wetland	Between 300 and 500 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between ½ and 1 (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	No

Remediation Plan	
<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
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	0
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	2530
GRO+DRO (EPA SW-846 Method 8015M)	2530
BTEX (EPA SW-846 Method 8021B or 8260B)	126
Benzene (EPA SW-846 Method 8021B or 8260B)	1.5
<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	12/17/2025
On what date will (or did) the final sampling or liner inspection occur	03/04/2026
On what date will (or was) the remediation complete(d)	03/04/2026
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	250
What is the estimated volume (in cubic yards) that will be remediated	140
<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 574860

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 574860
	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.)	Yes
Which OCD approved facility will be used for off-site disposal	fSC0000000048 ENVIROTECH
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

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.

I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 04/13/2026
--	--

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.

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QUESTIONS, Page 5

Action 574860

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 574860
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
<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 574860

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 574860
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	557147
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/05/2026
What was the (estimated) number of samples that were to be gathered	10
What was the sampling surface area in square feet	1000

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
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	250
What was the total volume (cubic yards) remediated	140
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)	Laboratory analytical results from confirmation soil samples collected from the final excavation extent indicated all COC concentrations were compliant with Hilcorp Energy Company Remediation Report and Closure Request Crandell #003 Page 4 applicable Site Closure Criteria and reclamation requirements. Based on these results, no further remedial action is warranted. Excavation of impacted soil has effectively mitigated Site impacts and is protective of human health, the environment, and groundwater.
<i>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>	
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: 04/13/2026

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QUESTIONS, Page 7

Action 574860

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 574860
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 574860

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 574860
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	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".	5/29/2026