



May 22, 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: Closure Request

San Juan 31-6 Unit #216
Hilcorp Energy Company
NMOCD Incident Nos: nAPP2521726503 and nAPP2528243479

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Hilcorp Energy Company (Hilcorp), presents this *Closure Request* for two releases at the San Juan 31-6 Unit #216 natural gas production well (Site). The Site is located on federal land managed by the Bureau of Land Management (BLM) in Unit A, Section 35, Township 31 North, Range 6 West, Rio Arriba County, New Mexico (Figure 1). This report describes the excavation and confirmation soil sampling activities performed at the Site to remediate impacted soil associated with the releases.

SITE BACKGROUND

On August 2, 2025, Hilcorp personnel discovered a release of 10.5 barrels (bbls) of produced water at the Site. Specifically, while driving through the Site, a lease operator observed standing water in the bermed area, which led to the discovery of a failed flowline gasket. The release was contained within the bermed area and did not migrate horizontally outside of the secondary containment. A vacuum truck was dispatched to the Site and recovered 5 bbls of produced water. Hilcorp submitted a *Notification of Release* to the New Mexico Oil Conservation Division (NMOCD) on August 5, 2025, and the Site was assigned Incident Number nAPP2521726503. Initial delineation soil samples were collected on August 20, 2025, to evaluate potential soil impacts associated with the release. The soil sampling results are discussed below.

On October 7, 2025, prior to conducting remediation activities, a second release was discovered after a lease operator again observed standing water within the bermed area. Hilcorp personnel determined that corrosion in the fire tube caused a release of approximately 8 bbls of produced water. Similar to the August 2025 release, fluids from the second release did not migrate horizontally outside of the bermed area. A vacuum truck was dispatched to the Site and 3 bbls of produced water were recovered. Hilcorp submitted a second *Notification of Release* to the NMOCD, and the Site was assigned an additional Incident Number nAPP2528243479.

SITE CHARACTERIZATION

As part of the Site investigation, 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.

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.

A cathodic protection well, completed on April 30, 1992, is located at the Site. At the time of completion, the depth to water was documented at 190 feet below ground surface (bgs). Due to the age of the cathodic protection well depth-to-water observation, a new depth-to-water borehole (BH01) was advanced at the Site on October 30, 2025. During drilling, saturated soil was observed at approximately 30 feet bgs. The borehole was advanced an additional 5 feet to a total depth of 35 feet bgs, and a water-level indicator was used to gauge any standing water in the borehole. Depth-to-water was measured at approximately 30 feet bgs immediately after reaching a total depth of 35 feet bgs, indicating groundwater beneath the Site is less than 50 feet bgs. Documentation related to the depth-to-water borehole is attached as Appendix A. Lastly, the nearest permitted NMOSE well is SJ-04225, located 7,490 feet north of the Site with a recorded depth-to-water of 60 feet bgs.

The nearest significant watercourse to the Site is a dry wash located approximately 1,525 feet northwest of the Site. The Site is greater than 200 feet from any sinkhole, or playa lake, and greater than 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 medium or high 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

After discovery of the first release in August 2025, Hilcorp personnel conducted initial hand auger delineation activities on August 20, 2025. A total of 13 samples were collected from five locations (S-1 through S-5) within the bermed area to depths up to 4 feet bgs. Samples were submitted to Eurofins Environment Testing (Eurofins) for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B, TPH following EPA Method 8015M/D, and chloride following EPA Method 300.0. Laboratory analytical data indicated all five borehole locations contained chloride concentrations exceeding the NMOCD Table I Closure Criteria in shallow soil samples collected from the ground surface to a depth of 1-foot bgs.

Upon discovery of the second release in October 2025, Hilcorp retained Ensolum to conduct additional hand auger delineation activities on October 30, 2025. A notification of sampling

activities was provided to the NMOCD at least two business days prior to the delineation work and is attached as Appendix B. In total, nine boreholes (HA01 through HA09) were advanced at the Site to depths up to 2 feet bgs (Figure 2). Boreholes HA01 through HA05 were advanced to field screen and delineate the lateral and vertical extents of potential impacts within the secondary containment berm. Due to standing water in the bermed area from recent rainfall, samples from boreholes HA04 and HA05 were only collected from the top 6 inches of soil, as water continued to fill the borehole and saturate soil below that depth. Boreholes HA06 through HA09 were advanced immediately outside of the berm on each side to assess whether impacts were present outside of the secondary containment berm. All boreholes encountered refusal between 1-foot and 2 feet bgs.

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 documented in the field book. PID and chloride field screening results are included in Table 1.

With the exception of HA04 and HA05, two soil samples were collected from each borehole to delineate the vertical extent of impacts at the Site: one from the ground surface interval of 0 to 6 inches bgs and a second sample from the terminal depth of each borehole at 1-foot to 2 feet bgs. Soil samples were collected directly into laboratory-provided jars and immediately placed on ice. Samples were submitted to Envirotech, Inc. (Envirotech) for analysis of BTEX, TPH, and chloride following the methods described above. Based on the laboratory analytical results from the October 2025 delineation event, BTEX, TPH, and/or chloride were either not detected above laboratory reporting limits or were below the applicable Closure Criteria in all analyzed samples.

Photographs taken during delineation activities are provided in Appendix C. Analytical results from both delineation events are summarized in Table 1 and Figure 2, with complete laboratory reports attached in Appendix D.

EXCAVATION SOIL SAMPLING ACTIVITIES

Based on the delineation results, estimated volume of impacted soil, and the extent of the release, excavation and off-site disposal were determined to be the most appropriate remedial strategy. Excavation activities were conducted on April 20, 2026. Notification to the NMOCD was provided at least two business days prior to conducting remediation and sampling work, with correspondence also attached in Appendix B. To direct excavation activities, Ensolum personnel field screened soil for chloride and VOCs.

Once field screening indicated impacted soil had been removed, five-point composite soil samples were collected from the floor (FS01 through FS07) of the excavation at a frequency of one sample per 200 square feet. All floor samples were collected at a depth of 1-foot to 1.5 feet bgs. Due to the shallow nature of the excavation, sidewall samples were not collected; however, each 200-square-foot floor confirmation sampling interval incorporated soil from the adjacent sidewalls. Excavation soil sample locations are depicted on Figure 3. Five-point composite samples were collected by placing five equivalent aliquots of soil taken from the floor and sidewall of each sampling interval into a resealable plastic bag and homogenizing the samples by thoroughly mixing. The soil samples were placed 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 the excavation indicated concentrations of TPH, BTEX, and chloride were compliant with NMOCD Table I Closure Criteria and the reclamation requirement in all confirmation samples. In total, approximately 75 cubic yards of impacted soil was removed and transported to the Envirotech Landfarm located in San Juan County, New Mexico. Soil sample

results are summarized in Table 1, with complete laboratory analytical reports attached as Appendix D. Photographs taken by Ensolum during the excavation work are presented in Appendix C.

CLOSURE REQUEST

Excavation and sampling activities were conducted at the Site to address the two releases discovered on August 2 and October 7, 2025. Laboratory analytical results for the excavation confirmation soil samples collected from the final excavation extent indicated all COC concentrations were compliant with the Site Closure Criteria and the reclamation requirement, and no further remediation is required. Excavation of impacted soil has mitigated impacts at the Site, and these remedial actions have been protective of human health, the environment, and groundwater. As such, Hilcorp respectfully requests closure for Incident Numbers nAPP2521726503 and nAPP2528243479.

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



Zach Myers
Staff Geologist
(614) 323-4728
zmyers@ensolum.com



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

Attachments:

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

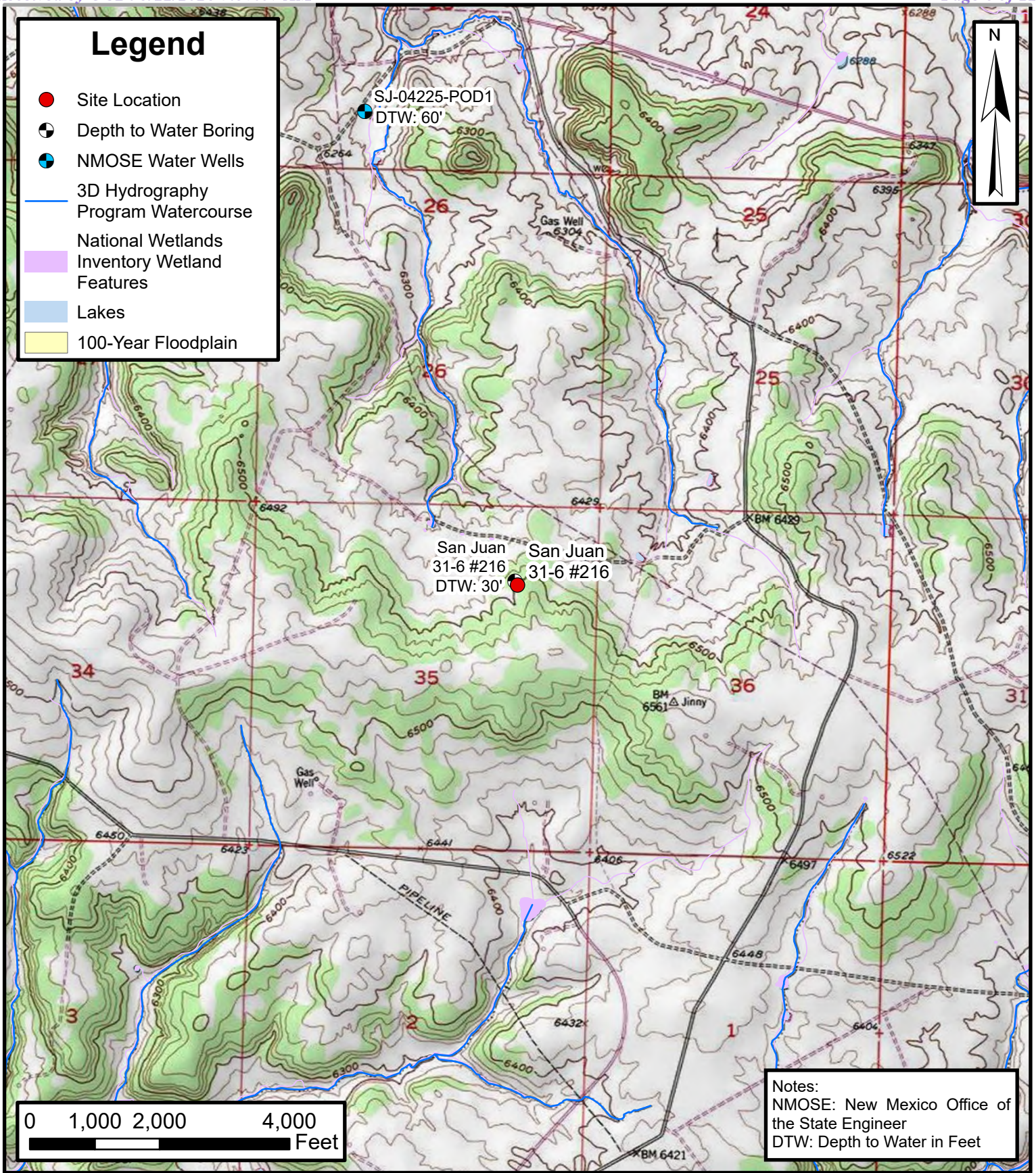
- Table 1: Excavation Soil Sample Analytical Results

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



FIGURES





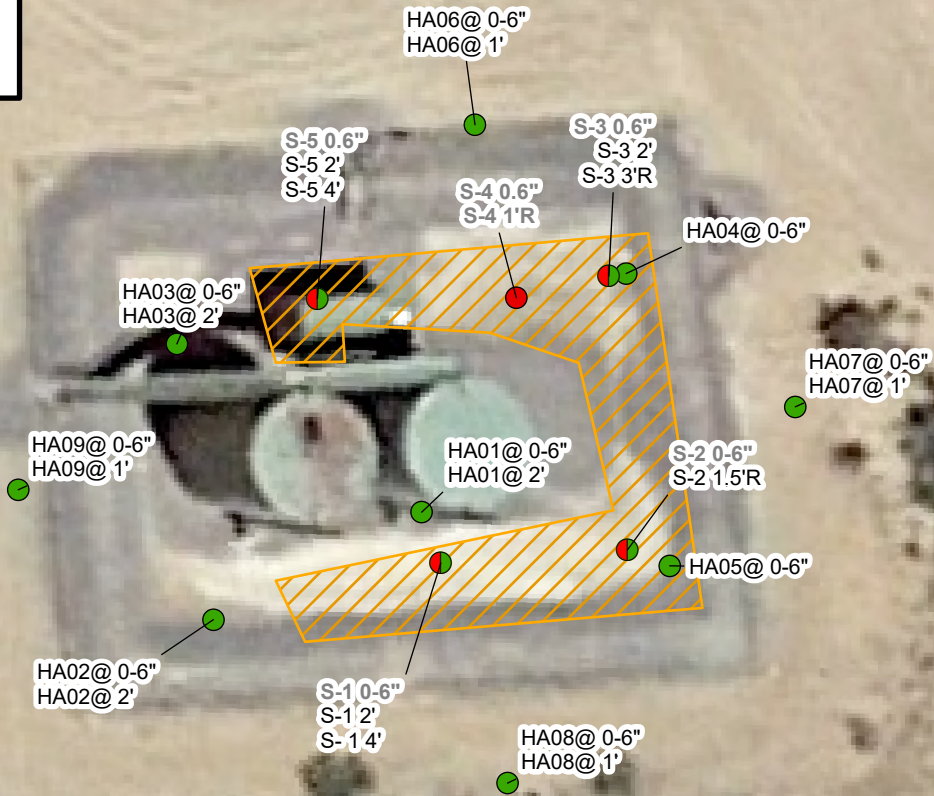
Site Location Map

San Juan 31-6 #216
 Hilcorp Energy Company
 36.859884, -107.427523
 Rio Arriba County, New Mexico

FIGURE 1

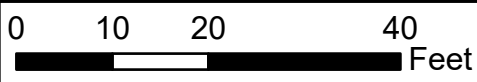
Legend

- Delineation Soil Sample in Compliance with NMOCD Closure Criteria
- Delineation Soil Sample with Terminus in Compliance with NMOCD Closure Criteria
- Delineation Soil Sample Exceeding NMOCD Closure Criteria
- Release Extent



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Notes:
Bold: Indicates Results Exceed NMOCD Closure Criteria
 Grey: Indicates Sample was Removed During Excavation Activities.
 NMOCD: New Mexico Oil Conservation Division



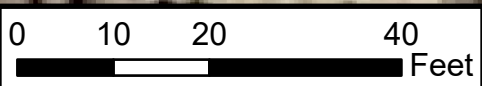
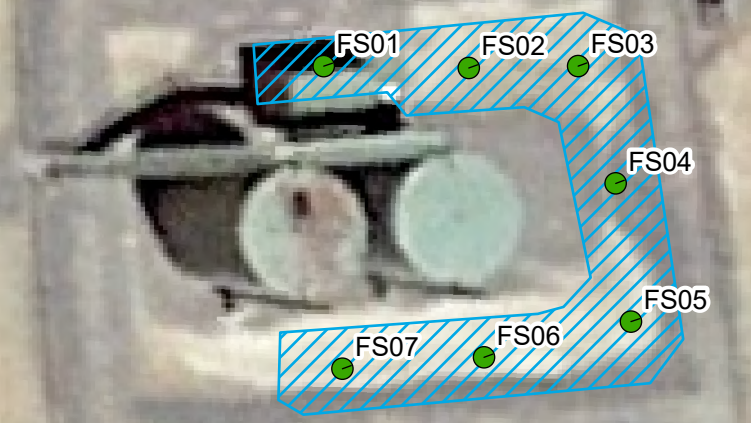
Delineation Soil Sample Locations

San Juan 31-6 #216
 Hilcorp Energy Company
 36.859884, -107.427523
 Rio Arriba County, New Mexico

FIGURE
2

Legend

- Excavation Floor Sample Location in Compliance with NMOCD Closure Criteria
- Excavation Extent



Notes:
NMOCD: New Mexico Oil Conservation Division

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Excavation Soil Sample Locations

San Juan 31-6 #216
Hilcorp Energy Company
36.859884, -107.427523
Rio Arriba County, New Mexico

FIGURE
3



TABLES



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS San Juan 31-6 Unit 216 Hilcorp Energy Company Rio Arriba County, New Mexico														
Sample Identification	Date	Depth (feet bgs)	Chloride Field Test (ppm)	PID (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Closure Criteria for Soils Impacted by a Release			NE	NE	10	NE	NE	NE	50	NE	NE	NE	100	600
INITIAL SOIL SAMPLES														
S-1 0-6"	8/20/2025	0-0.5	--	--	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<48	<48	950
S-1 2'	8/20/2025	2	--	--	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.8	<49	<49	390
S-1 4'	8/20/2025	4	--	--	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.5	<48	<48	370
S-2 0-6"	8/20/2025	0-0.5	--	--	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.5	<48	<48	1,800
S-2 1.5'R	8/20/2025	1.5	--	--	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.9	<49	<49	140
S-3 0-6"	8/20/2025	0-0.5	--	--	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<10	<50	<50	880
S-3 2'	8/20/2025	2	--	--	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.2	<46	<46	370
S-3 3'R	8/20/2025	3	--	--	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<9.5	<48	<48	210
S-4 0-6"	8/20/2025	0-0.5	--	--	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.7	<48	<48	4,000
S-4 1'R	8/20/2025	4	--	--	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.6	<48	<48	960
S-5 0-6"	8/20/2025	0-0.5	--	--	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.5	<48	<48	740
S-5 2'	8/20/2025	2	--	--	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<9.9	<50	<50	78
S-5 4'	8/20/2025	4	--	--	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	18	<47	18	53
HAND AUGER SAMPLES														
HA01@ 0-6"	10/30/2025	0 - 0.5	<128	34.8	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	139
HA01@ 2'	10/30/2025	2	<128	21.2	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	35.6
HA02@ 0-6"	10/30/2025	0 - 0.5	<128	0.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
HA02@ 2'	10/30/2025	2	<128	0.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
HA03@ 0-6"	10/30/2025	0 - 0.5	<128	0.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
HA03@ 2'	10/30/2025	2	<128	0.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
HA04@ 0-6"	10/30/2025	0-0.5	<128	0.1	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	280
HA05@ 0-6"	10/30/2025	0-0.5	<128	0.1	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	354
HA06@ 0-6"	10/30/2025	0 - 0.5	<128	0.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
HA06@ 1'	10/30/2025	1	<128	0.1	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
HA07@ 0-6"	10/30/2025	0 - 0.5	<128	0.1	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	41.4
HA07@ 1'	10/30/2025	1	<128	0.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	87.1
HA08@ 0-6"	10/30/2025	0 - 0.5	<128	0.1	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
HA08@ 1'	10/30/2025	1	<128	0.1	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
HA09@ 0-6"	10/30/2025	0 - 0.5	<128	0.2	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
HA09@ 1'	10/30/2025	1	<128	0.2	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
EXCAVATION SAMPLES														
FS01	4/20/2026	1	<179	2.2	<0.022	<0.044	<0.044	<0.044	<0.044	<4.4	<9.4	<47	<47	110
FS02	4/20/2026	1.5	<179	1.6	<0.016	<0.032	<0.032	<0.032	<0.032	<3.2	<9.7	<48	<48	230
FS03	4/20/2026	1.5	<179	2	<0.020	<0.039	<0.039	<0.039	<0.039	<3.9	<9.2	<46	<46	210
FS04	4/20/2026	1.5	<179	1.9	<0.021	<0.042	<0.042	<0.042	<0.042	<4.2	<9.2	<46	<46	140
FS05	4/20/2026	1.5	<179	1.4	<0.021	<0.042	<0.042	<0.042	<0.042	<4.2	<9.4	<47	<47	140
FS06	4/20/2026	1.25	179	2.7	<0.019	<0.038	<0.038	<0.038	<0.038	<3.8	<9.5	<47	<47	280
FS07	4/20/2026	1.25	<179	1.7	<0.019	<0.038	<0.038	<0.038	<0.038	<3.8	<9.6	<48	<48	150

Notes:

bgs: Below ground surface
 BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
 mg/kg: Milligrams per kilogram
 NE: Not Established
 NMOCD: New Mexico Oil Conservation Division
 PID: Photoionization detector
 ppm: Parts per million

GRO: Gasoline Range Organics
 DRO: Diesel Range Organics
 MRO: Motor Oil/Lube Oil Range Organics
 TPH: Total Petroleum Hydrocarbon
 ': Feet

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


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

Grey and strikethrough text represents soil sample areas that have been excavated




APPENDIX A

Depth to Water Determination

				Client: Hilcorp Project Name: SJ 31-6 #216 Project Location: Project Manager:			BORING LOG NUMBER BH01 Project No.:	
				Date Sampled: 10-30 Drilled By: Enviro drill Driller: Rodney Bergoy Logged By: Zach Myers			Ground Surface Elevation: Top of Casing Elevation: North Coordinate: West Coordinate:	
DEPTH (FEET)	SAMPLE INTERVAL	BLOW COUNT	RECOVERY (%)	FID/PIID READING (PPM)	USCS SYMBOL	GEOLOGIC DESCRIPTION		BORING/WELL COMPLETION
0						Poorly Graded Sand		backfilled
1						fn - ml sand, med. dense		
2					SP	light tan, dry, non-plastic		
3						non-cohesive, NS-NO		
4								
5		17-35-40	90%					
6						Well Graded Sand w/ silt		
7					SW-SM	fn - ml sand w/ silt, dense		
8						tan, dry, non-plastic		
9						non-cohesive, NS-NO		
10		50	640%					
11						Well Graded Sand w/ silt		
12					SW-SM	SAA		
13								
14								
15		50	515%					
16						Well Graded Sand w/ silt		
17					SW-SM	SAA		
18								
19								
20		50	320%					
21						Well Graded Sand w/ silt		
22					SW-SM	SAA		
23								
24								
25		50	425%					

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					Client:		BORING LOG NUMBER	
					Project Name:			
Date Sampled: Drilled By: Driller: Logged By:					Project Location:		Project No.:	
					Project Manager:			
Ground Surface Elevation: Top of Casing Elevation: North Coordinate: West Coordinate:					Borehole Diameter:		Borehole Diameter:	
							Casing Diameter:	
					Well Materials:		Well Materials:	
							Surface Completion:	
					Boring Method:		Boring Method:	
DEPTH (FEET)	SAMPLE INTERVAL	BLOW COUNT	RECOVERY (%)	FTD/PTD READING (PPM)	USCS SYMBOL	GEOLOGIC DESCRIPTION		BORING/WELL COMPLETION
25						Well Graded Sand w/ silt		
26					SW-SM	-fine sand w/ silt, sandstone dense, tan/brown wet/saturated, non plastic cohesive, NS-NO		
27								
28								
29								
30		17-24-30						water @ 30'
31					ML	Sandy Silt -silt w/ fine sand dense, dk brown wet/saturated, non plastic cohesive, NS-NO		
32								
33								
34								
35		16-50-34	30%					
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APPENDIX B

Agency Correspondence

From: OCDOnline@state.nm.us
To: [Stuart Hyde](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 518495
Date: Tuesday, October 21, 2025 9:09:41 AM

[**EXTERNAL EMAIL**]

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

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2521726503.

The sampling event is expected to take place:

When: 10/30/2025 @ 10:00

Where: A-35-31N-06W 1162 FNL 1200 FEL (36.860300001,-107.42663)

Additional Information: Stuart Hyde, 970-903-1607

Additional Instructions: San Juan 31-6 #216, coordinates 36.85983, -107.42747, hand auger delineation to be conducted

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

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

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

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

From: OCDOnline@state.nm.us
To: [Stuart Hyde](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 518502
Date: Tuesday, October 21, 2025 9:14:12 AM

[**EXTERNAL EMAIL**]

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

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2528243479.

The sampling event is expected to take place:

When: 10/30/2025 @ 10:00

Where: A-35-31N-06W 1162 FNL 1200 FEL (36.8603,-107.42663)

Additional Information: Stuart Hyde, 970-903-1607

Additional Instructions: San Juan 31-6 #216, coordinates 36.85983, -107.42747, hand auger delineation to be conducted

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

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

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

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

From: [Wells, Shelly, EMNRD](#)
To: [Stuart Hyde](#)
Cc: [Kate Kaufman](#); [Zach Myers](#); [Wes Weichert](#)
Subject: RE: [EXTERNAL] napp2521726503 - San Juan 31-6 #216 Reporting Extension Request
Date: Wednesday, October 29, 2025 2:29:05 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)

[**EXTERNAL EMAIL**]

Good afternoon Stuart,

An extension is approved for nAPP2521726503 SAN JUAN 31-6 #216. A remediation plan or remediation closure report must be submitted to the OCD Permitting website no later than January 5, 2026. Please include a copy of this and all notifications in the report to ensure the notifications are documented in the project file.

Kind regards,

Shelly

Shelly Wells * Senior Environmental Scientist
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Stuart Hyde <shyde@ensolum.com>
Sent: Wednesday, October 29, 2025 1:34 PM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: Kate Kaufman <kkaufman@hilcorp.com>; Zach Myers <zmyers@ensolum.com>; Wes Weichert <wweichert@ensolum.com>
Subject: [EXTERNAL] napp2521726503 - San Juan 31-6 #216 Reporting Extension Request

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

Shelly,

Thanks again for your assistance on the two spills at the San Juan 31-6 #216 site. The first release occurred on August 2, 2025 and the current reporting deadline is October 31st. Initial

delineation sampling was performed for the first release prior to the second release occurring on October 7, 2025. At this point, we are planning to drill a depth to water boring and conduct further delineation sampling tomorrow, October 30. As such, we would like to request an extension to the reporting deadline for the initial release to match the second release, which would be January 5, 2025. If approved, we would be on the same timeframe for reporting/remediation of the two releases and hopefully simplify future reporting.

Please reach out with any questions or concerns. Thanks much and talk to you soon.



Stuart Hyde, PG

(Licensed in TX, WA, & WY)

Senior Managing Geologist

970-903-1607

Ensolum, LLC

in f X

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

Operator: Hilcorp Energy Company
Well Name: San Juan 31-6 Unit #216/API: 3003925017
Legal Description: T31N, R6W, Sec 35, NENE

Conditions of Approval

Disclaimers: BLM's approval of the excavation plan does not relieve the lessee or an operator from obtaining any other authorizations that may be required by other jurisdictional entities. These COA's may reiterate COA's attached to original permit, and they do not negate any COA's attached to the original permit.

1. Hilcorp Energy Company will notify the BLM 24 hours prior to any confirmation soil sampling event. Contact Abiodun (Emmanuel) Adeloje at aadeloje@blm.gov or 505-564-7665 (office) or 505 635-0984 (cell).
2. Any disturbance of the interim reclaimed area will be appropriately reclaimed back to pre-project interim reclamation conditions. This approval does not permit surface disturbance beyond area requested. If it is determined that additional surface disturbance is required for sufficient remediation, a new request shall be submitted via Sundry (form 3160-005).
3. All cultural resources stipulations will be followed as indicated in the BLM Cultural Resource Records of Review and the Conditions of Approvals. These stipulations may include, but are not limited to, temporary or permanent fencing or other physical barriers, monitoring of earth-disturbing construction, project area reduction and/or specific construction avoidance zones, and employee education.
4. If, in its operations, operator/holder discovers any previously unidentified historic or prehistoric cultural resources, then work in the vicinity of the discovery will be suspended and the discovery promptly reported to BLM Field Manager. BLM-FFO will then specify what action is to be taken. If there is an approved "discovery plan" in place for the project, then the plan will be executed. In the absence of an approved plan, the BLM will evaluate the significance of the discovery in accordance with 36 CFR Section 800.13, in consultation with the appropriate State or Tribal Historic Preservation Officer(s) and Indian tribe(s) that might attach religious and cultural significance to the affected property, or in accordance with an approved program alternative. Minor recordation, stabilization, or data recovery may be performed by BLM or a third party acting on its behalf, such as a permitted cultural resources consultant. If warranted, more extensive archaeological or alternative mitigation, likely implemented by a permitted cultural resources consultant, may be required of the operator/holder prior to allowing the project to proceed. Further damage to significant cultural resources will not be allowed until any mitigations determined appropriate through the agency's Section 106 consultation are completed. Failure to notify the BLM-FFO about a discovery may result in civil or criminal penalties in accordance with the Archeological Resources Protection Act (ARPA) of 1979, as amended, the Native American Graves Protection and Repatriation Act (NAGRPA) of 1990, as amended, and other applicable laws.

5. If, in its operations, operator/holder damages, or is found to have damaged any previously documented or undocumented historic or prehistoric cultural resources, excluding "discoveries" as noted above, the operator/holder agrees at his/her expense to have a permitted cultural resources consultant prepare a BLM approved damage assessment and/or data recovery plan. The operator/holder agrees at his/her expense to implement a mitigation that the agency finds appropriate given the significance of the site, which the agency determines in consultation with the appropriate State or Tribal Historic Preservation Officer(s) and Indian tribe(s) that might attach religious and cultural significance to the affected property. This mitigation may entail execution of the data recovery plan by a permitted cultural resources consultant and/or alternative mitigations. Damage to cultural resources may result in civil or criminal penalties in accordance with the Archeological Resources Protection Act (ARPA) of 1979, as amended, the Native American Graves Protection and Repatriation Act (NAGRPA) of 1990, as amended, and other applicable laws.
6. All employees of the project, including the Project Sponsor and its contractors and sub-contractors will be informed and educated that cultural sites are to be avoided by all personnel, personal vehicles, and company equipment. This includes personnel associated with construction, use, maintenance, and abandonment of the well pad, well facilities, access, and pipeline. They will also be notified that it is illegal to collect, damage, or disturb historic or prehistoric cultural resources, and that such activities are punishable by criminal and or administrative penalties under the provisions of the ARPA (16 U.S.C. 470aa-mm), NAGPRA (25 U.S.C. 3001-3013), and other laws, as applicable (for example, NM Stat. § 18-6-9 through § 18-6-11.2, as amended, and NM Stat. § 30-12-12, as amended).
7. If any paleontological resources are discovered during activities associated with the proposed project:
Hilcorp Energy will immediately inform the BLM Authorized Officer.
Activities in the vicinity of the discovery will be immediately suspended until written authorization to proceed is issued by the BLM Authorized Officer.
The discovery will be protected from damage or looting.
The Authorized Officer will ensure evaluation of the discovery as soon as possible.
Appropriate measures to mitigate adverse effects to significant paleontological resources will be determined by the Authorized Officer after consulting with the operator.
Any paleontological resource discovered by the Operator, or any person working on his behalf, on public or Federal land shall be immediately reported to the Authorized Officer.
Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery will be made by the Authorized Officer to determine appropriate actions to prevent the loss of significant scientific values. The Holder will be responsible for the cost of evaluation and any decision as to proper mitigation measures will be made by the Authorized Officer after consulting with the Holder.

IN-HOUSE ARCHEOLOGICAL SURVEY DETERMINATION
FARMINGTON FIELD OFFICE

NM-210-2026-007

Case No./Name: San Juan 31-6 Unit #216
Company: Hilcorp Energy Company
Type of Case: Soil Remediation-Excavation

Date Submitted: 12/12/2025

IS A CULTURAL RESOURCE INVENTORY REQUIRED?

- Proposal involves non-Federal lands.
 - Proposal is within an existing right-of-way.
 - Proposal is along an existing road.
 - Proposal is within an existing disturbed area.
 - The well pad is to be expanded _____ feet to the _____.
 - Other: Hilcorp Energy has proposed remediate the impacted area of well mentioned above by dig/haul. The excavated contaminated soil would be transported to a private land farm (Envirotech). A clean soil void of noxious weed would be used to back fill the excavated portion of the berm. No off-pad activity is requested at this time.
- Location: T31N R6W Sec 35
Please see attached base map.

Submitted by: Abiodun Adeloeye (NRS)

CULTURAL RESOURCE SPECIALIST RECOMMENDATIONS

- Inventory for cultural resources **is** required.
- Inventory for cultural resources **is not** required for the reason(s) indicated below.
 - Previous natural ground disturbance has modified the surface so extensively that the likelihood of finding cultural properties is negligible (e.g., within a floodplain), or
 - Human activity has created a new land surface to such an extent as to eradicate traces of cultural properties, or
 - Existing Class II or equivalent inventory or environmental data are sufficient to indicate that there is no likelihood of finding a National Register or eligible property, or
 - Inventory at the Class III level of intensity has previously been performed and records adequately documenting the location, methods, and results of the inventory are available in report no. NMCRIS 35187
 - Natural environmental characteristics are unfavorable to the presence of cultural properties (such as recent landslide or rock falls), or
 - The nature of the proposed action is such that no impact can be expected on significant cultural resources (e.g. land use will not require any surface disturbing action, e.g., aerial spraying, hand application of chemicals, travel on existing roads, etc.), or
 - Other:

Recommended by: Kim Adams
Archaeologist

Date: 12/12/2025

Cultural Notes (if any, e.g., conditions, stipulations, etc.): All construction and vehicle traffic must remain completely on the existing well pad disturbance. If any new disturbance is needed, a new Class III survey will be required.

Hilcorp-San Juan 31-6 Unit 216

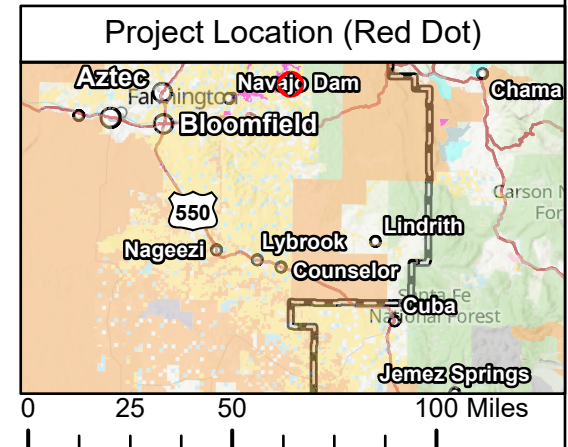


U.S. Department of Interior
Bureau of Land Management



0 25 50 100 Feet

- BLM Roads
- Bureau of Land Management
- State Game & Fish
- PLSSTownship
- PLSFirstDivision
- Impacted Area



No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources and may be updated without notification.

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Farmington Field Office

REQUEST FOR THREATENED AND ENDANGERED (T&E) / SPECIAL STATUS SPECIES SPECIES PROPOSAL EVALUATION

Accomplishment Number

Instructions: Double Form: 1) the upper portion - a request for and 2) the lower portion – evaluation of need for Formal Consultation

TO: Resource Area Special Status Species, T&E Species, Migratory Birds

Please evaluate this proposed action relative to possible affects on any Federally listed T&E, proposed Federal T&E, State listed T&E, or Special Status Species which may occur in the proposed location.

Description of the proposed Action and Case Reference Number:San Juan 31-6 Unit #216/3003925017: Hilcorp Energy has proposed remediate the impacted area of well mentioned above by dig/haul. The excavated contaminated soil would be transported to a private land farm (Envirotech). A clean soil void of noxious weed would be used to back fill the excavated portion of the berm. No off-pad activity is requested at this time.

Please see attached base map.

LOCATION

T31N, R6W, Sec 35

PROPOSEE

Abiodun Adeloje (NRS)
Signature of Initiating Official & Title

12/12/2025
Date

This proposal and relative data have been analyzed concerning the following species:SSS and habitat

The analysis indicates that there would be a No- May- affect situation as a result of approving this described proposed action and Formal Consultation is is not necessary.

This proposal is a minor construction major construction.

Method of Analysis: Field Examination Data bank/GIS Other (explain)

COMMENTS remediation on locations.. no impacts to BLM sensitive spp due to lack of suitable habitat, Stay within permitted area. No new surface disturbance, therefore no direct impacts to SSPS anticipated.

Evaluated by

Level 1 Biologist

Level 2 Biologist

070-6843-01
(Sept. 2000)

/s/ John Kendall

12/12/25

/s/ Rylee Hostrawser

12/15/2025

(Signature)

(Date)

(Signature)

(Date)

Reviewed by

(Signature and Title)

From: [Wells, Shelly, EMNRD](#)
To: [Stuart Hyde](#); [Kate Kaufman](#)
Cc: [Wes Weichert](#); [Zach Myers](#)
Subject: RE: [EXTERNAL] RE: The Oil Conservation Division (OCD) has approved the application, Application ID: 538998
Date: Monday, March 30, 2026 11:18:54 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)

[**EXTERNAL EMAIL**]

Good morning Stuart,

A 90-day extension is approved for nAPP2528243479 and nAPP2521726503 SAN JUAN 31-6 #216. A remediation closure report must be submitted to the OCD Permitting website no later than July 1, 2026. Please include a copy of this and all notifications in the report to ensure the notifications are documented in the project file.

Kind regards,

Shelly

Shelly Wells * Senior Environmental Scientist
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 Shelly.Wells@emnrn.nm.gov
<http://www.emnrn.state.nm.us/OCD/>

From: Stuart Hyde <shyde@ensolum.com>
Sent: Monday, March 30, 2026 10:35 AM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrn.nm.gov>; Kate Kaufman <kkaufman@hilcorp.com>
Cc: Wes Weichert <wweichert@ensolum.com>; Zach Myers <zmyers@ensolum.com>
Subject: RE: [EXTERNAL] RE: The Oil Conservation Division (OCD) has approved the application, Application ID: 538998

Shelly,

As a follow-up, this would be for both incident numbers napp2521726503 and napp2528243479. Thanks.



Stuart Hyde, PG

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

[Ensolum, LLC](#)

in f X

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

From: Stuart Hyde

Sent: Monday, March 30, 2026 10:34 AM

To: 'Wells, Shelly, EMNRD' <Shelly.Wells@emnrd.nm.gov>; Kate Kaufman <kkaufman@hilcorp.com>

Cc: Wes Weichert <wweichert@ensolum.com>; Zach Myers <zmyers@ensolum.com>

Subject: RE: [EXTERNAL] RE: The Oil Conservation Division (OCD) has approved the application, Application ID: 538998

Shelly,

Per the discussion below, we are requesting a 90-day extension to the reporting deadline for the San Juan 31-6 #216 site in order to complete the excavation and prepare the closure report. If approved, the new reporting deadline would be Wednesday, July 1, 2026. Please let us know if you have any questions. Thanks and have a great day.



Stuart Hyde, PG

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

[Ensolum, LLC](#)

in f X

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

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Sent: Thursday, February 19, 2026 11:01 AM

To: Kate Kaufman <kkaufman@hilcorp.com>; Stuart Hyde <shyde@ensolum.com>

Cc: Wes Weichert <wweichert@ensolum.com>; Zach Myers <zmyers@ensolum.com>

Subject: RE: [EXTERNAL] RE: The Oil Conservation Division (OCD) has approved the application, Application ID: 538998

[**EXTERNAL EMAIL**]

Good morning Kate,

Thank you for providing the update to the OCD in advance. I have updated the Incident

Events with the details. Please keep us apprised of any changes and ensure to request the extensions prior to the deadline.

Kind regards,

Shelly

Shelly Wells * Senior Environmental Scientist
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Kate Kaufman <kkaufman@hilcorp.com>
Sent: Thursday, February 19, 2026 8:56 AM
To: Stuart Hyde <shyde@ensolum.com>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: Wes Weichert <wweichert@ensolum.com>; Zach Myers <zmyers@ensolum.com>
Subject: RE: [EXTERNAL] RE: The Oil Conservation Division (OCD) has approved the application, Application ID: 538998

Good morning Shelly,

I wanted to send you a quick note regarding the release discussed below (San Juan 31-6 #216.)

This wellsite is on BLM surface and is within the Rosa Mesa Big Game RSA with seasonal restrictions on construction activities between December 1 and March 31. As such, we are unable to initiate excavation remediation activities until April 1.

We will plan to start this remediation as close to April 1 as possible and should have it completed quickly, but I wanted to give you advance notice that we will be requesting an extension to the remediation closure deadline.

Please let me know if you have any questions.

Thank you,

Kate

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Friday, January 2, 2026 9:55 AM
To: Stuart Hyde <shyde@ensolum.com>

Cc: Kate Kaufman <kkaufman@hilcorp.com>; Wes Weichert <wweichert@ensolum.com>; Zach Myers <zmyers@ensolum.com>

Subject: RE: [EXTERNAL] RE: The Oil Conservation Division (OCD) has approved the application, Application ID: 538998

[**EXTERNAL EMAIL**]

Good morning Stuart,

You are welcome! Yes, the remediation plan should also be submitted for incident napp2528243479 as well since a remediation plan or a remediation closure report is due by 1/5/26.

Kind regards,

Shelly

Shelly Wells * Senior Environmental Scientist
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Stuart Hyde <shyde@ensolum.com>

Sent: Friday, January 2, 2026 9:51 AM

To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Cc: Kate Kaufman <kkaufman@hilcorp.com>; Wes Weichert <wweichert@ensolum.com>; Zach Myers <zmyers@ensolum.com>

Subject: [EXTERNAL] RE: The Oil Conservation Division (OCD) has approved the application, Application ID: 538998

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

Shelly,

Thank you for the work plan approval below. Do I need to submit the workplan under the other incident number as well? The second spill was incident napp2528243479. Thanks.

**Stuart Hyde, PG***(Licensed in TX, WA, & WY)*

Senior Managing Geologist

970-903-1607

[Ensolum, LLC](http://www.ensolum.com)

in f X

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

From: OCDOnline@emnrd.nm.gov <OCDOnline@emnrd.nm.gov>

Sent: Friday, January 2, 2026 9:45 AM

To: Stuart Hyde <shyde@ensolum.com>

Subject: The Oil Conservation Division (OCD) has approved the application, Application ID: 538998

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

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

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2521726503, with the following conditions:

- **Remediation plan approved with the following conditions:**
- **Excavation must continue past the proposed 1.5' depth of excavation if confirmation samples do not meet the applicable Table I Closure Criteria.**
- **This remediation plan approval is only applicable to the incident number it was submitted under.**
- **A remediation closure report is due to the OCD by 4/2/26.**

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,
Shelly Wells
Environmental Specialist-A
505-469-7520
Shelly.Wells@emnrd.nm.gov

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

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this message.

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From: OCDOnline@emnrd.nm.gov
To: [Stuart Hyde](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 574689
Date: Monday, April 13, 2026 1:13:30 PM

[**EXTERNAL EMAIL**]

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

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2528243479.

The sampling event is expected to take place:

When: 04/20/2026 @ 10:30

Where: A-35-31N-06W 1162 FNL 1200 FEL (36.860301,-107.42663)

Additional Information: Stuart Hyde, 970-903-1607

Additional Instructions: Hilcorp San Juan 31-6 #216 well pad, coordinates 36.85983, -107.42747

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

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

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

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



APPENDIX C

Photographic Log



Photographic Log
Hilcorp Energy Company
San Juan 31-6 Unit #216
Rio Arriba County, New Mexico



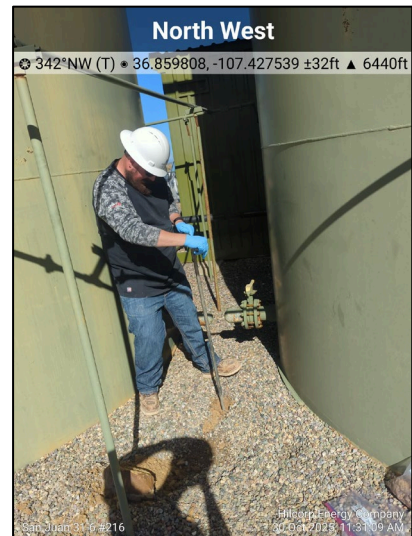
Photograph: 1 Date: 08/2/2025
Description: Release extent from August 2, 2025
View: Southwest



Photograph: 2 Date: 10/7/2025
Description: Release extent from October 7, 2025
View: Southeast



Photograph: 3 Date: 10/30/2025
Description: Conducting depth-to-water boring BH01 at Site
View: Northwest



Photograph: 4 Date: 10/30/2025
Description: Conducting hand auger delineation at the Site
View: Northwest



Photographic Log
Hilcorp Energy Company
San Juan 31-6 Unit #216
Rio Arriba County, New Mexico



Photograph: 5 Date: 04/20/2026
Description: Hand digging around utilities north of pump shed
View: East

Photograph: 6 Date: 04/20/2026
Description: Complete excavation north of pump shed
View: Northeast



Photograph: 7 Date: 04/20/2026
Description: Complete excavation
View: Southwest

Photograph: 8 Date: 04/20/2026
Description: Complete excavation
View: West



APPENDIX D

Laboratory Analytical Reports



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 9/3/2025 12:53:19 PM

JOB DESCRIPTION

SJ 31-6 Unit 216

JOB NUMBER

885-31624-1

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
9/3/2025 12:53:19 PM

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

Client: Hilcorp Energy
Project/Site: SJ 31-6 Unit 216

Laboratory Job ID: 885-31624-1

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QC Sample Results	19
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Definitions/Glossary

Client: Hilcorp Energy
Project/Site: SJ 31-6 Unit 216

Job ID: 885-31624-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low 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: SJ 31-6 Unit 216

Job ID: 885-31624-1

Job ID: 885-31624-1

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Job Narrative 885-31624-1

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 8/22/2025 7:15 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 5.1°C.

Gasoline Range Organics

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

GC VOA

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

Diesel Range Organics

Method 8015D_DRO: Surrogate recovery was outside acceptance limits for the following matrix spike/matrix spike duplicate (MS/MSD) samples: S-3 0-6" (885-31624-6), (885-31624-A-6-C MS) and (885-31624-A-6-D MSD). The parent sample's surrogate recovery was within limits. The MS/MSD sample has been qualified and reported. Low surrogate was observed within MS/MSD however the parent sample was within limits and therefore was reported.

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

HPLC/IC

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

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Client Sample Results

Client: Hilcorp Energy
 Project/Site: SJ 31-6 Unit 216

Job ID: 885-31624-1

Client Sample ID: S-1 0-6"

Lab Sample ID: 885-31624-1

Date Collected: 08/20/25 10:45

Matrix: Solid

Date Received: 08/22/25 07:15

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		4.9	mg/Kg		08/22/25 17:51	08/27/25 08:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		15 - 150			08/22/25 17:51	08/27/25 08:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/22/25 17:51	08/27/25 08:07	1
Ethylbenzene	ND		0.049	mg/Kg		08/22/25 17:51	08/27/25 08:07	1
Toluene	ND		0.049	mg/Kg		08/22/25 17:51	08/27/25 08:07	1
Xylenes, Total	ND		0.098	mg/Kg		08/22/25 17:51	08/27/25 08:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		15 - 150			08/22/25 17:51	08/27/25 08:07	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		9.7	mg/Kg		08/27/25 14:24	08/28/25 12:38	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/27/25 14:24	08/28/25 12:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			08/27/25 14:24	08/28/25 12:38	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	950		50	mg/Kg		08/25/25 15:07	08/25/25 18:58	10

Client Sample Results

Client: Hilcorp Energy
 Project/Site: SJ 31-6 Unit 216

Job ID: 885-31624-1

Client Sample ID: S-1 2'

Lab Sample ID: 885-31624-2

Date Collected: 08/20/25 10:50

Matrix: Solid

Date Received: 08/22/25 07:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		08/22/25 17:51	08/27/25 08:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		15 - 150			08/22/25 17:51	08/27/25 08:31	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/22/25 17:51	08/27/25 08:31	1
Ethylbenzene	ND		0.048	mg/Kg		08/22/25 17:51	08/27/25 08:31	1
Toluene	ND		0.048	mg/Kg		08/22/25 17:51	08/27/25 08:31	1
Xylenes, Total	ND		0.096	mg/Kg		08/22/25 17:51	08/27/25 08:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		15 - 150			08/22/25 17:51	08/27/25 08:31	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		9.8	mg/Kg		08/27/25 14:24	08/28/25 12:50	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/27/25 14:24	08/28/25 12:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			08/27/25 14:24	08/28/25 12:50	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	390		51	mg/Kg		08/25/25 15:07	08/25/25 19:30	10

Client Sample Results

Client: Hilcorp Energy
 Project/Site: SJ 31-6 Unit 216

Job ID: 885-31624-1

Client Sample ID: S-1 4'

Lab Sample ID: 885-31624-3

Date Collected: 08/20/25 11:00

Matrix: Solid

Date Received: 08/22/25 07:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		08/22/25 17:51	08/27/25 08:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		15 - 150			08/22/25 17:51	08/27/25 08:54	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/22/25 17:51	08/27/25 08:54	1
Ethylbenzene	ND		0.048	mg/Kg		08/22/25 17:51	08/27/25 08:54	1
Toluene	ND		0.048	mg/Kg		08/22/25 17:51	08/27/25 08:54	1
Xylenes, Total	ND		0.096	mg/Kg		08/22/25 17:51	08/27/25 08:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		15 - 150			08/22/25 17:51	08/27/25 08:54	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		08/27/25 14:24	08/28/25 13:01	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/27/25 14:24	08/28/25 13:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			08/27/25 14:24	08/28/25 13:01	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	370		49	mg/Kg		08/25/25 15:07	08/25/25 19:41	10

Client Sample Results

Client: Hilcorp Energy
 Project/Site: SJ 31-6 Unit 216

Job ID: 885-31624-1

Client Sample ID: S-2 0-6"

Lab Sample ID: 885-31624-4

Date Collected: 08/20/25 11:10

Matrix: Solid

Date Received: 08/22/25 07:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		08/22/25 17:51	08/27/25 11:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		15 - 150			08/22/25 17:51	08/27/25 11:50	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/22/25 17:51	08/27/25 11:50	1
Ethylbenzene	ND		0.048	mg/Kg		08/22/25 17:51	08/27/25 11:50	1
Toluene	ND		0.048	mg/Kg		08/22/25 17:51	08/27/25 11:50	1
Xylenes, Total	ND		0.096	mg/Kg		08/22/25 17:51	08/27/25 11:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		15 - 150			08/22/25 17:51	08/27/25 11:50	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		9.5	mg/Kg		08/27/25 14:24	08/28/25 13:12	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/27/25 14:24	08/28/25 13:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			08/27/25 14:24	08/28/25 13:12	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1800		50	mg/Kg		08/25/25 15:07	08/25/25 19:52	10

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Client Sample Results

Client: Hilcorp Energy
 Project/Site: SJ 31-6 Unit 216

Job ID: 885-31624-1

Client Sample ID: S-2 1.5' R

Lab Sample ID: 885-31624-5

Date Collected: 08/20/25 11:15

Matrix: Solid

Date Received: 08/22/25 07:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		08/22/25 17:51	08/27/25 12:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		15 - 150			08/22/25 17:51	08/27/25 12:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/22/25 17:51	08/27/25 12:14	1
Ethylbenzene	ND		0.048	mg/Kg		08/22/25 17:51	08/27/25 12:14	1
Toluene	ND		0.048	mg/Kg		08/22/25 17:51	08/27/25 12:14	1
Xylenes, Total	ND		0.095	mg/Kg		08/22/25 17:51	08/27/25 12:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		15 - 150			08/22/25 17:51	08/27/25 12:14	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]	ND		9.9	mg/Kg		08/27/25 14:24	08/28/25 13:34	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/27/25 14:24	08/28/25 13:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			08/27/25 14:24	08/28/25 13:34	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		50	mg/Kg		08/25/25 15:07	08/25/25 20:03	10

Client Sample Results

Client: Hilcorp Energy
 Project/Site: SJ 31-6 Unit 216

Job ID: 885-31624-1

Client Sample ID: S-3 0-6"

Lab Sample ID: 885-31624-6

Date Collected: 08/20/25 11:25

Matrix: Solid

Date Received: 08/22/25 07:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		08/22/25 17:51	08/27/25 12:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		15 - 150			08/22/25 17:51	08/27/25 12:37	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		08/22/25 17:51	08/27/25 12:37	1
Ethylbenzene	ND		0.047	mg/Kg		08/22/25 17:51	08/27/25 12:37	1
Toluene	ND		0.047	mg/Kg		08/22/25 17:51	08/27/25 12:37	1
Xylenes, Total	ND		0.094	mg/Kg		08/22/25 17:51	08/27/25 12:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		15 - 150			08/22/25 17:51	08/27/25 12:37	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		08/27/25 14:24	08/28/25 16:25	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/27/25 14:24	08/28/25 16:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	76		62 - 134			08/27/25 14:24	08/28/25 16:25	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	880		50	mg/Kg		08/25/25 15:07	08/25/25 20:14	10

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Client Sample Results

Client: Hilcorp Energy
 Project/Site: SJ 31-6 Unit 216

Job ID: 885-31624-1

Client Sample ID: S-3 2'

Lab Sample ID: 885-31624-7

Date Collected: 08/20/25 11:35

Matrix: Solid

Date Received: 08/22/25 07:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		08/25/25 13:37	08/28/25 01:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			08/25/25 13:37	08/28/25 01:57	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/25/25 13:37	08/28/25 01:57	1
Ethylbenzene	ND		0.048	mg/Kg		08/25/25 13:37	08/28/25 01:57	1
Toluene	ND		0.048	mg/Kg		08/25/25 13:37	08/28/25 01:57	1
Xylenes, Total	ND		0.097	mg/Kg		08/25/25 13:37	08/28/25 01:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			08/25/25 13:37	08/28/25 01:57	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		09/02/25 10:44	09/02/25 17:49	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		09/02/25 10:44	09/02/25 17:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			09/02/25 10:44	09/02/25 17:49	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	370		49	mg/Kg		08/25/25 15:07	08/25/25 20:46	10

Client Sample Results

Client: Hilcorp Energy
 Project/Site: SJ 31-6 Unit 216

Job ID: 885-31624-1

Client Sample ID: S-3 3'R

Lab Sample ID: 885-31624-8

Date Collected: 08/20/25 11:40

Matrix: Solid

Date Received: 08/22/25 07:15

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		08/25/25 13:37	08/28/25 02:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			08/25/25 13:37	08/28/25 02:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		08/25/25 13:37	08/28/25 02:19	1
Ethylbenzene	ND		0.046	mg/Kg		08/25/25 13:37	08/28/25 02:19	1
Toluene	ND		0.046	mg/Kg		08/25/25 13:37	08/28/25 02:19	1
Xylenes, Total	ND		0.093	mg/Kg		08/25/25 13:37	08/28/25 02:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		15 - 150			08/25/25 13:37	08/28/25 02:19	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		09/02/25 10:44	09/02/25 18:02	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/02/25 10:44	09/02/25 18:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		62 - 134			09/02/25 10:44	09/02/25 18:02	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210		50	mg/Kg		08/25/25 15:07	08/25/25 20:57	10

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Client Sample Results

Client: Hilcorp Energy
 Project/Site: SJ 31-6 Unit 216

Job ID: 885-31624-1

Client Sample ID: S-4 0-6"

Lab Sample ID: 885-31624-9

Date Collected: 08/20/25 11:45

Matrix: Solid

Date Received: 08/22/25 07:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		08/25/25 13:37	08/28/25 03:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			08/25/25 13:37	08/28/25 03:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/25/25 13:37	08/28/25 03:03	1
Ethylbenzene	ND		0.048	mg/Kg		08/25/25 13:37	08/28/25 03:03	1
Toluene	ND		0.048	mg/Kg		08/25/25 13:37	08/28/25 03:03	1
Xylenes, Total	ND		0.097	mg/Kg		08/25/25 13:37	08/28/25 03:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 150			08/25/25 13:37	08/28/25 03:03	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]	ND		9.7	mg/Kg		09/02/25 10:44	09/02/25 18:14	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/02/25 10:44	09/02/25 18:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	99		62 - 134			09/02/25 10:44	09/02/25 18:14	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4000		50	mg/Kg		08/25/25 15:07	08/25/25 21:08	10

Client Sample Results

Client: Hilcorp Energy
 Project/Site: SJ 31-6 Unit 216

Job ID: 885-31624-1

Client Sample ID: S-4 1'R

Lab Sample ID: 885-31624-10

Date Collected: 08/20/25 11:55

Matrix: Solid

Date Received: 08/22/25 07:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		08/25/25 13:37	08/28/25 03:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			08/25/25 13:37	08/28/25 03:24	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/25/25 13:37	08/28/25 03:24	1
Ethylbenzene	ND		0.048	mg/Kg		08/25/25 13:37	08/28/25 03:24	1
Toluene	ND		0.048	mg/Kg		08/25/25 13:37	08/28/25 03:24	1
Xylenes, Total	ND		0.097	mg/Kg		08/25/25 13:37	08/28/25 03:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 150			08/25/25 13:37	08/28/25 03:24	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		09/02/25 10:44	09/02/25 18:27	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/02/25 10:44	09/02/25 18:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	98		62 - 134			09/02/25 10:44	09/02/25 18:27	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	960		49	mg/Kg		08/25/25 15:07	08/25/25 21:19	10

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Client Sample Results

Client: Hilcorp Energy
 Project/Site: SJ 31-6 Unit 216

Job ID: 885-31624-1

Client Sample ID: S-5 0-6"

Lab Sample ID: 885-31624-11

Date Collected: 08/20/25 12:00

Matrix: Solid

Date Received: 08/22/25 07:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		08/25/25 13:37	08/28/25 03:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			08/25/25 13:37	08/28/25 03:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/25/25 13:37	08/28/25 03:46	1
Ethylbenzene	ND		0.047	mg/Kg		08/25/25 13:37	08/28/25 03:46	1
Toluene	ND		0.047	mg/Kg		08/25/25 13:37	08/28/25 03:46	1
Xylenes, Total	ND		0.094	mg/Kg		08/25/25 13:37	08/28/25 03:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		15 - 150			08/25/25 13:37	08/28/25 03:46	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		09/02/25 10:44	09/02/25 18:39	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/02/25 10:44	09/02/25 18:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	84		62 - 134			09/02/25 10:44	09/02/25 18:39	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	710		50	mg/Kg		08/25/25 15:07	08/25/25 21:29	10

Client Sample Results

Client: Hilcorp Energy
 Project/Site: SJ 31-6 Unit 216

Job ID: 885-31624-1

Client Sample ID: S-5 2'

Lab Sample ID: 885-31624-12

Date Collected: 08/20/25 12:10

Matrix: Solid

Date Received: 08/22/25 07:15

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		08/25/25 13:37	08/28/25 04:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 150			08/25/25 13:37	08/28/25 04:08	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		08/25/25 13:37	08/28/25 04:08	1
Ethylbenzene	ND		0.046	mg/Kg		08/25/25 13:37	08/28/25 04:08	1
Toluene	ND		0.046	mg/Kg		08/25/25 13:37	08/28/25 04:08	1
Xylenes, Total	ND		0.093	mg/Kg		08/25/25 13:37	08/28/25 04:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			08/25/25 13:37	08/28/25 04:08	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		09/02/25 10:44	09/02/25 18:52	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		09/02/25 10:44	09/02/25 18:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			09/02/25 10:44	09/02/25 18:52	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78		49	mg/Kg		08/25/25 15:07	08/25/25 21:40	10

Client Sample Results

Client: Hilcorp Energy
 Project/Site: SJ 31-6 Unit 216

Job ID: 885-31624-1

Client Sample ID: S-5 4'

Lab Sample ID: 885-31624-13

Date Collected: 08/20/25 12:15

Matrix: Solid

Date Received: 08/22/25 07:15

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		08/25/25 13:37	08/28/25 04:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			08/25/25 13:37	08/28/25 04:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/25/25 13:37	08/28/25 04:30	1
Ethylbenzene	ND		0.050	mg/Kg		08/25/25 13:37	08/28/25 04:30	1
Toluene	ND		0.050	mg/Kg		08/25/25 13:37	08/28/25 04:30	1
Xylenes, Total	ND		0.099	mg/Kg		08/25/25 13:37	08/28/25 04:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			08/25/25 13:37	08/28/25 04:30	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]	18		9.4	mg/Kg		09/02/25 10:44	09/02/25 19:04	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		09/02/25 10:44	09/02/25 19:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	101		62 - 134			09/02/25 10:44	09/02/25 19:04	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53		50	mg/Kg		08/25/25 15:07	08/25/25 21:51	10

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QC Sample Results

Client: Hilcorp Energy
Project/Site: SJ 31-6 Unit 216

Job ID: 885-31624-1

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

Lab Sample ID: MB 885-33047/1-A
Matrix: Solid
Analysis Batch: 33290

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33047

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		08/22/25 17:51	08/27/25 00:14	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		15 - 150			08/22/25 17:51	08/27/25 00:14	1

Lab Sample ID: LCS 885-33047/2-A
Matrix: Solid
Analysis Batch: 33290

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33047

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics [C6 - C10]	25.0	20.6		mg/Kg		82	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits					
4-Bromofluorobenzene (Surr)	182		15 - 150					

Lab Sample ID: MB 885-33151/1-A
Matrix: Solid
Analysis Batch: 33398

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33151

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		08/25/25 13:37	08/27/25 21:15	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			08/25/25 13:37	08/27/25 21:15	1

Lab Sample ID: LCS 885-33151/2-A
Matrix: Solid
Analysis Batch: 33398

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33151

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics [C6 - C10]	25.0	22.7		mg/Kg		91	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits					
4-Bromofluorobenzene (Surr)	215		15 - 150					

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-33047/1-A
Matrix: Solid
Analysis Batch: 33291

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33047

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/22/25 17:51	08/27/25 00:14	1
Ethylbenzene	ND		0.050	mg/Kg		08/22/25 17:51	08/27/25 00:14	1
Toluene	ND		0.050	mg/Kg		08/22/25 17:51	08/27/25 00:14	1
Xylenes, Total	ND		0.10	mg/Kg		08/22/25 17:51	08/27/25 00:14	1

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QC Sample Results

Client: Hilcorp Energy
 Project/Site: SJ 31-6 Unit 216

Job ID: 885-31624-1

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

Lab Sample ID: MB 885-33047/1-A
 Matrix: Solid
 Analysis Batch: 33291

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 33047

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		15 - 150	08/22/25 17:51	08/27/25 00:14	1

Lab Sample ID: LCS 885-33047/3-A
 Matrix: Solid
 Analysis Batch: 33291

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 33047

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene	1.00	0.897		mg/Kg		90	70 - 130	
Ethylbenzene	1.00	0.861		mg/Kg		86	70 - 130	
m&p-Xylene	2.00	1.82		mg/Kg		91	70 - 130	
o-Xylene	1.00	0.860		mg/Kg		86	70 - 130	
Toluene	1.00	0.877		mg/Kg		88	70 - 130	
Xylenes, Total	3.00	2.68		mg/Kg		89	70 - 130	

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		15 - 150

Lab Sample ID: MB 885-33151/1-A
 Matrix: Solid
 Analysis Batch: 33399

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 33151

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/25/25 13:37	08/27/25 21:15	1
Ethylbenzene	ND		0.050	mg/Kg		08/25/25 13:37	08/27/25 21:15	1
Toluene	ND		0.050	mg/Kg		08/25/25 13:37	08/27/25 21:15	1
Xylenes, Total	ND		0.10	mg/Kg		08/25/25 13:37	08/27/25 21:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150	08/25/25 13:37	08/27/25 21:15	1

Lab Sample ID: LCS 885-33151/3-A
 Matrix: Solid
 Analysis Batch: 33399

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 33151

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene	1.00	1.01		mg/Kg		101	70 - 130	
Ethylbenzene	1.00	1.01		mg/Kg		101	70 - 130	
m&p-Xylene	2.00	2.01		mg/Kg		100	70 - 130	
o-Xylene	1.00	1.01		mg/Kg		101	70 - 130	
Toluene	1.00	1.01		mg/Kg		101	70 - 130	
Xylenes, Total	3.00	3.02		mg/Kg		101	70 - 130	

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		15 - 150

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QC Sample Results

Client: Hilcorp Energy
 Project/Site: SJ 31-6 Unit 216

Job ID: 885-31624-1

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

Lab Sample ID: MB 885-33378/1-A
Matrix: Solid
Analysis Batch: 33448

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33378

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		08/27/25 14:24	08/28/25 09:35	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/27/25 14:24	08/28/25 09:35	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	107		62 - 134			08/27/25 14:24	08/28/25 09:35	1

Lab Sample ID: LCS 885-33378/2-A
Matrix: Solid
Analysis Batch: 33448

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33378

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	54.5		mg/Kg		109	51 - 148
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	110		62 - 134				

Lab Sample ID: 885-31624-6 MS
Matrix: Solid
Analysis Batch: 33448

Client Sample ID: S-3 0-6"
Prep Type: Total/NA
Prep Batch: 33378

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND		47.4	42.4		mg/Kg		89	44 - 136
Surrogate	MS %Recovery	MS Qualifier	Limits						
Di-n-octyl phthalate (Surr)	45	S1-	62 - 134						

Lab Sample ID: 885-31624-6 MSD
Matrix: Solid
Analysis Batch: 33448

Client Sample ID: S-3 0-6"
Prep Type: Total/NA
Prep Batch: 33378

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		49.3	42.3		mg/Kg		86	44 - 136	0	32
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Di-n-octyl phthalate (Surr)	55	S1-	62 - 134								

Lab Sample ID: MB 885-33695/1-A
Matrix: Solid
Analysis Batch: 33688

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33695

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		09/02/25 10:43	09/02/25 14:08	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		09/02/25 10:43	09/02/25 14:08	1

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QC Sample Results

Client: Hilcorp Energy
 Project/Site: SJ 31-6 Unit 216

Job ID: 885-31624-1

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

Lab Sample ID: MB 885-33695/1-A
 Matrix: Solid
 Analysis Batch: 33688

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 33695

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	97		62 - 134	09/02/25 10:43	09/02/25 14:08	1

Lab Sample ID: LCS 885-33695/2-A
 Matrix: Solid
 Analysis Batch: 33688

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 33695

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	56.8		mg/Kg		114	51 - 148

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	93		62 - 134

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-33161/1-A
 Matrix: Solid
 Analysis Batch: 33092

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 33161

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		4.9	mg/Kg		08/25/25 15:07	08/25/25 18:36	1

Lab Sample ID: LCS 885-33161/2-A
 Matrix: Solid
 Analysis Batch: 33092

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 33161

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.5	50.2		mg/Kg		99	90 - 110

QC Association Summary

Client: Hilcorp Energy
Project/Site: SJ 31-6 Unit 216

Job ID: 885-31624-1

GC VOA

Prep Batch: 33047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-31624-1	S-1 0-6"	Total/NA	Solid	5030C	
885-31624-2	S-1 2'	Total/NA	Solid	5030C	
885-31624-3	S-1 4'	Total/NA	Solid	5030C	
885-31624-4	S-2 0-6"	Total/NA	Solid	5030C	
885-31624-5	S-2 1.5' R	Total/NA	Solid	5030C	
885-31624-6	S-3 0-6"	Total/NA	Solid	5030C	
MB 885-33047/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-33047/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-33047/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Prep Batch: 33151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-31624-7	S-3 2'	Total/NA	Solid	5030C	
885-31624-8	S-3 3'R	Total/NA	Solid	5030C	
885-31624-9	S-4 0-6"	Total/NA	Solid	5030C	
885-31624-10	S-4 1'R	Total/NA	Solid	5030C	
885-31624-11	S-5 0-6"	Total/NA	Solid	5030C	
885-31624-12	S-5 2'	Total/NA	Solid	5030C	
885-31624-13	S-5 4'	Total/NA	Solid	5030C	
MB 885-33151/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-33151/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-33151/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Analysis Batch: 33290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-31624-1	S-1 0-6"	Total/NA	Solid	8015M/D	33047
885-31624-2	S-1 2'	Total/NA	Solid	8015M/D	33047
885-31624-3	S-1 4'	Total/NA	Solid	8015M/D	33047
MB 885-33047/1-A	Method Blank	Total/NA	Solid	8015M/D	33047
LCS 885-33047/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	33047

Analysis Batch: 33291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-31624-1	S-1 0-6"	Total/NA	Solid	8021B	33047
885-31624-2	S-1 2'	Total/NA	Solid	8021B	33047
885-31624-3	S-1 4'	Total/NA	Solid	8021B	33047
MB 885-33047/1-A	Method Blank	Total/NA	Solid	8021B	33047
LCS 885-33047/3-A	Lab Control Sample	Total/NA	Solid	8021B	33047

Analysis Batch: 33330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-31624-4	S-2 0-6"	Total/NA	Solid	8015M/D	33047
885-31624-5	S-2 1.5' R	Total/NA	Solid	8015M/D	33047
885-31624-6	S-3 0-6"	Total/NA	Solid	8015M/D	33047

Analysis Batch: 33331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-31624-4	S-2 0-6"	Total/NA	Solid	8021B	33047
885-31624-5	S-2 1.5' R	Total/NA	Solid	8021B	33047
885-31624-6	S-3 0-6"	Total/NA	Solid	8021B	33047

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QC Association Summary

Client: Hilcorp Energy
 Project/Site: SJ 31-6 Unit 216

Job ID: 885-31624-1

GC VOA

Analysis Batch: 33398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-31624-7	S-3 2'	Total/NA	Solid	8015M/D	33151
885-31624-8	S-3 3'R	Total/NA	Solid	8015M/D	33151
885-31624-9	S-4 0-6"	Total/NA	Solid	8015M/D	33151
885-31624-10	S-4 1'R	Total/NA	Solid	8015M/D	33151
885-31624-11	S-5 0-6"	Total/NA	Solid	8015M/D	33151
885-31624-12	S-5 2'	Total/NA	Solid	8015M/D	33151
885-31624-13	S-5 4'	Total/NA	Solid	8015M/D	33151
MB 885-33151/1-A	Method Blank	Total/NA	Solid	8015M/D	33151
LCS 885-33151/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	33151

Analysis Batch: 33399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-31624-7	S-3 2'	Total/NA	Solid	8021B	33151
885-31624-8	S-3 3'R	Total/NA	Solid	8021B	33151
885-31624-9	S-4 0-6"	Total/NA	Solid	8021B	33151
885-31624-10	S-4 1'R	Total/NA	Solid	8021B	33151
885-31624-11	S-5 0-6"	Total/NA	Solid	8021B	33151
885-31624-12	S-5 2'	Total/NA	Solid	8021B	33151
885-31624-13	S-5 4'	Total/NA	Solid	8021B	33151
MB 885-33151/1-A	Method Blank	Total/NA	Solid	8021B	33151
LCS 885-33151/3-A	Lab Control Sample	Total/NA	Solid	8021B	33151

GC Semi VOA

Prep Batch: 33378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-31624-1	S-1 0-6"	Total/NA	Solid	SHAKE	
885-31624-2	S-1 2'	Total/NA	Solid	SHAKE	
885-31624-3	S-1 4'	Total/NA	Solid	SHAKE	
885-31624-4	S-2 0-6"	Total/NA	Solid	SHAKE	
885-31624-5	S-2 1.5' R	Total/NA	Solid	SHAKE	
885-31624-6	S-3 0-6"	Total/NA	Solid	SHAKE	
MB 885-33378/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-33378/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-31624-6 MS	S-3 0-6"	Total/NA	Solid	SHAKE	
885-31624-6 MSD	S-3 0-6"	Total/NA	Solid	SHAKE	

Analysis Batch: 33448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-31624-1	S-1 0-6"	Total/NA	Solid	8015M/D	33378
885-31624-2	S-1 2'	Total/NA	Solid	8015M/D	33378
885-31624-3	S-1 4'	Total/NA	Solid	8015M/D	33378
885-31624-4	S-2 0-6"	Total/NA	Solid	8015M/D	33378
885-31624-5	S-2 1.5' R	Total/NA	Solid	8015M/D	33378
885-31624-6	S-3 0-6"	Total/NA	Solid	8015M/D	33378
MB 885-33378/1-A	Method Blank	Total/NA	Solid	8015M/D	33378
LCS 885-33378/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	33378
885-31624-6 MS	S-3 0-6"	Total/NA	Solid	8015M/D	33378
885-31624-6 MSD	S-3 0-6"	Total/NA	Solid	8015M/D	33378

Eurofins Albuquerque

QC Association Summary

Client: Hilcorp Energy
Project/Site: SJ 31-6 Unit 216

Job ID: 885-31624-1

GC Semi VOA

Analysis Batch: 33688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-31624-7	S-3 2'	Total/NA	Solid	8015M/D	33695
885-31624-8	S-3 3'R	Total/NA	Solid	8015M/D	33695
885-31624-9	S-4 0-6"	Total/NA	Solid	8015M/D	33695
885-31624-10	S-4 1'R	Total/NA	Solid	8015M/D	33695
885-31624-11	S-5 0-6"	Total/NA	Solid	8015M/D	33695
885-31624-12	S-5 2'	Total/NA	Solid	8015M/D	33695
885-31624-13	S-5 4'	Total/NA	Solid	8015M/D	33695
MB 885-33695/1-A	Method Blank	Total/NA	Solid	8015M/D	33695
LCS 885-33695/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	33695

Prep Batch: 33695

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-31624-7	S-3 2'	Total/NA	Solid	SHAKE	
885-31624-8	S-3 3'R	Total/NA	Solid	SHAKE	
885-31624-9	S-4 0-6"	Total/NA	Solid	SHAKE	
885-31624-10	S-4 1'R	Total/NA	Solid	SHAKE	
885-31624-11	S-5 0-6"	Total/NA	Solid	SHAKE	
885-31624-12	S-5 2'	Total/NA	Solid	SHAKE	
885-31624-13	S-5 4'	Total/NA	Solid	SHAKE	
MB 885-33695/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-33695/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

HPLC/IC

Analysis Batch: 33092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-31624-1	S-1 0-6"	Total/NA	Solid	300.0	33161
885-31624-2	S-1 2'	Total/NA	Solid	300.0	33161
885-31624-3	S-1 4'	Total/NA	Solid	300.0	33161
885-31624-4	S-2 0-6"	Total/NA	Solid	300.0	33161
885-31624-5	S-2 1.5' R	Total/NA	Solid	300.0	33161
885-31624-6	S-3 0-6"	Total/NA	Solid	300.0	33161
885-31624-7	S-3 2'	Total/NA	Solid	300.0	33161
885-31624-8	S-3 3'R	Total/NA	Solid	300.0	33161
885-31624-9	S-4 0-6"	Total/NA	Solid	300.0	33161
885-31624-10	S-4 1'R	Total/NA	Solid	300.0	33161
885-31624-11	S-5 0-6"	Total/NA	Solid	300.0	33161
885-31624-12	S-5 2'	Total/NA	Solid	300.0	33161
885-31624-13	S-5 4'	Total/NA	Solid	300.0	33161
MB 885-33161/1-A	Method Blank	Total/NA	Solid	300.0	33161
LCS 885-33161/2-A	Lab Control Sample	Total/NA	Solid	300.0	33161

Prep Batch: 33161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-31624-1	S-1 0-6"	Total/NA	Solid	300_Prep	
885-31624-2	S-1 2'	Total/NA	Solid	300_Prep	
885-31624-3	S-1 4'	Total/NA	Solid	300_Prep	
885-31624-4	S-2 0-6"	Total/NA	Solid	300_Prep	
885-31624-5	S-2 1.5' R	Total/NA	Solid	300_Prep	
885-31624-6	S-3 0-6"	Total/NA	Solid	300_Prep	
885-31624-7	S-3 2'	Total/NA	Solid	300_Prep	

Eurofins Albuquerque

QC Association Summary

Client: Hilcorp Energy
Project/Site: SJ 31-6 Unit 216

Job ID: 885-31624-1

HPLC/IC (Continued)

Prep Batch: 33161 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-31624-8	S-3 3'R	Total/NA	Solid	300_Prep	
885-31624-9	S-4 0-6"	Total/NA	Solid	300_Prep	
885-31624-10	S-4 1'R	Total/NA	Solid	300_Prep	
885-31624-11	S-5 0-6"	Total/NA	Solid	300_Prep	
885-31624-12	S-5 2'	Total/NA	Solid	300_Prep	
885-31624-13	S-5 4'	Total/NA	Solid	300_Prep	
MB 885-33161/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-33161/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

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Lab Chronicle

Client: Hilcorp Energy
 Project/Site: SJ 31-6 Unit 216

Job ID: 885-31624-1

Client Sample ID: S-1 0-6"

Lab Sample ID: 885-31624-1

Date Collected: 08/20/25 10:45

Matrix: Solid

Date Received: 08/22/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			33047	KLS	EET ALB	08/22/25 17:51
Total/NA	Analysis	8015M/D		1	33290	JP	EET ALB	08/27/25 08:07
Total/NA	Prep	5030C			33047	KLS	EET ALB	08/22/25 17:51
Total/NA	Analysis	8021B		1	33291	JP	EET ALB	08/27/25 08:07
Total/NA	Prep	SHAKE			33378	DR	EET ALB	08/27/25 14:24
Total/NA	Analysis	8015M/D		1	33448	EM	EET ALB	08/28/25 12:38
Total/NA	Prep	300_Prep			33161	MA	EET ALB	08/25/25 15:07
Total/NA	Analysis	300.0		10	33092	MA	EET ALB	08/25/25 18:58

Client Sample ID: S-1 2'

Lab Sample ID: 885-31624-2

Date Collected: 08/20/25 10:50

Matrix: Solid

Date Received: 08/22/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			33047	KLS	EET ALB	08/22/25 17:51
Total/NA	Analysis	8015M/D		1	33290	JP	EET ALB	08/27/25 08:31
Total/NA	Prep	5030C			33047	KLS	EET ALB	08/22/25 17:51
Total/NA	Analysis	8021B		1	33291	JP	EET ALB	08/27/25 08:31
Total/NA	Prep	SHAKE			33378	DR	EET ALB	08/27/25 14:24
Total/NA	Analysis	8015M/D		1	33448	EM	EET ALB	08/28/25 12:50
Total/NA	Prep	300_Prep			33161	MA	EET ALB	08/25/25 15:07
Total/NA	Analysis	300.0		10	33092	MA	EET ALB	08/25/25 19:30

Client Sample ID: S-1 4'

Lab Sample ID: 885-31624-3

Date Collected: 08/20/25 11:00

Matrix: Solid

Date Received: 08/22/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			33047	KLS	EET ALB	08/22/25 17:51
Total/NA	Analysis	8015M/D		1	33290	JP	EET ALB	08/27/25 08:54
Total/NA	Prep	5030C			33047	KLS	EET ALB	08/22/25 17:51
Total/NA	Analysis	8021B		1	33291	JP	EET ALB	08/27/25 08:54
Total/NA	Prep	SHAKE			33378	DR	EET ALB	08/27/25 14:24
Total/NA	Analysis	8015M/D		1	33448	EM	EET ALB	08/28/25 13:01
Total/NA	Prep	300_Prep			33161	MA	EET ALB	08/25/25 15:07
Total/NA	Analysis	300.0		10	33092	MA	EET ALB	08/25/25 19:41

Client Sample ID: S-2 0-6"

Lab Sample ID: 885-31624-4

Date Collected: 08/20/25 11:10

Matrix: Solid

Date Received: 08/22/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			33047	KLS	EET ALB	08/22/25 17:51
Total/NA	Analysis	8015M/D		1	33330	JP	EET ALB	08/27/25 11:50

Eurofins Albuquerque

Lab Chronicle

Client: Hilcorp Energy
 Project/Site: SJ 31-6 Unit 216

Job ID: 885-31624-1

Client Sample ID: S-2 0-6"

Lab Sample ID: 885-31624-4

Date Collected: 08/20/25 11:10

Matrix: Solid

Date Received: 08/22/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			33047	KLS	EET ALB	08/22/25 17:51
Total/NA	Analysis	8021B		1	33331	JP	EET ALB	08/27/25 11:50
Total/NA	Prep	SHAKE			33378	DR	EET ALB	08/27/25 14:24
Total/NA	Analysis	8015M/D		1	33448	EM	EET ALB	08/28/25 13:12
Total/NA	Prep	300_Prep			33161	MA	EET ALB	08/25/25 15:07
Total/NA	Analysis	300.0		10	33092	MA	EET ALB	08/25/25 19:52

Client Sample ID: S-2 1.5' R

Lab Sample ID: 885-31624-5

Date Collected: 08/20/25 11:15

Matrix: Solid

Date Received: 08/22/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			33047	KLS	EET ALB	08/22/25 17:51
Total/NA	Analysis	8015M/D		1	33330	JP	EET ALB	08/27/25 12:14
Total/NA	Prep	5030C			33047	KLS	EET ALB	08/22/25 17:51
Total/NA	Analysis	8021B		1	33331	JP	EET ALB	08/27/25 12:14
Total/NA	Prep	SHAKE			33378	DR	EET ALB	08/27/25 14:24
Total/NA	Analysis	8015M/D		1	33448	EM	EET ALB	08/28/25 13:34
Total/NA	Prep	300_Prep			33161	MA	EET ALB	08/25/25 15:07
Total/NA	Analysis	300.0		10	33092	MA	EET ALB	08/25/25 20:03

Client Sample ID: S-3 0-6"

Lab Sample ID: 885-31624-6

Date Collected: 08/20/25 11:25

Matrix: Solid

Date Received: 08/22/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			33047	KLS	EET ALB	08/22/25 17:51
Total/NA	Analysis	8015M/D		1	33330	JP	EET ALB	08/27/25 12:37
Total/NA	Prep	5030C			33047	KLS	EET ALB	08/22/25 17:51
Total/NA	Analysis	8021B		1	33331	JP	EET ALB	08/27/25 12:37
Total/NA	Prep	SHAKE			33378	DR	EET ALB	08/27/25 14:24
Total/NA	Analysis	8015M/D		1	33448	EM	EET ALB	08/28/25 16:25
Total/NA	Prep	300_Prep			33161	MA	EET ALB	08/25/25 15:07
Total/NA	Analysis	300.0		10	33092	MA	EET ALB	08/25/25 20:14

Client Sample ID: S-3 2'

Lab Sample ID: 885-31624-7

Date Collected: 08/20/25 11:35

Matrix: Solid

Date Received: 08/22/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			33151	KLS	EET ALB	08/25/25 13:37
Total/NA	Analysis	8015M/D		1	33398	AT	EET ALB	08/28/25 01:57
Total/NA	Prep	5030C			33151	KLS	EET ALB	08/25/25 13:37
Total/NA	Analysis	8021B		1	33399	AT	EET ALB	08/28/25 01:57

Eurofins Albuquerque

Lab Chronicle

Client: Hilcorp Energy
 Project/Site: SJ 31-6 Unit 216

Job ID: 885-31624-1

Client Sample ID: S-3 2'

Lab Sample ID: 885-31624-7

Date Collected: 08/20/25 11:35

Matrix: Solid

Date Received: 08/22/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			33695	BZR	EET ALB	09/02/25 10:44
Total/NA	Analysis	8015M/D		1	33688	BZR	EET ALB	09/02/25 17:49
Total/NA	Prep	300_Prep			33161	MA	EET ALB	08/25/25 15:07
Total/NA	Analysis	300.0		10	33092	MA	EET ALB	08/25/25 20:46

Client Sample ID: S-3 3'R

Lab Sample ID: 885-31624-8

Date Collected: 08/20/25 11:40

Matrix: Solid

Date Received: 08/22/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			33151	KLS	EET ALB	08/25/25 13:37
Total/NA	Analysis	8015M/D		1	33398	AT	EET ALB	08/28/25 02:19
Total/NA	Prep	5030C			33151	KLS	EET ALB	08/25/25 13:37
Total/NA	Analysis	8021B		1	33399	AT	EET ALB	08/28/25 02:19
Total/NA	Prep	SHAKE			33695	BZR	EET ALB	09/02/25 10:44
Total/NA	Analysis	8015M/D		1	33688	BZR	EET ALB	09/02/25 18:02
Total/NA	Prep	300_Prep			33161	MA	EET ALB	08/25/25 15:07
Total/NA	Analysis	300.0		10	33092	MA	EET ALB	08/25/25 20:57

Client Sample ID: S-4 0-6"

Lab Sample ID: 885-31624-9

Date Collected: 08/20/25 11:45

Matrix: Solid

Date Received: 08/22/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			33151	KLS	EET ALB	08/25/25 13:37
Total/NA	Analysis	8015M/D		1	33398	AT	EET ALB	08/28/25 03:03
Total/NA	Prep	5030C			33151	KLS	EET ALB	08/25/25 13:37
Total/NA	Analysis	8021B		1	33399	AT	EET ALB	08/28/25 03:03
Total/NA	Prep	SHAKE			33695	BZR	EET ALB	09/02/25 10:44
Total/NA	Analysis	8015M/D		1	33688	BZR	EET ALB	09/02/25 18:14
Total/NA	Prep	300_Prep			33161	MA	EET ALB	08/25/25 15:07
Total/NA	Analysis	300.0		10	33092	MA	EET ALB	08/25/25 21:08

Client Sample ID: S-4 1'R

Lab Sample ID: 885-31624-10

Date Collected: 08/20/25 11:55

Matrix: Solid

Date Received: 08/22/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			33151	KLS	EET ALB	08/25/25 13:37
Total/NA	Analysis	8015M/D		1	33398	AT	EET ALB	08/28/25 03:24
Total/NA	Prep	5030C			33151	KLS	EET ALB	08/25/25 13:37
Total/NA	Analysis	8021B		1	33399	AT	EET ALB	08/28/25 03:24
Total/NA	Prep	SHAKE			33695	BZR	EET ALB	09/02/25 10:44
Total/NA	Analysis	8015M/D		1	33688	BZR	EET ALB	09/02/25 18:27

Eurofins Albuquerque

Lab Chronicle

Client: Hilcorp Energy
 Project/Site: SJ 31-6 Unit 216

Job ID: 885-31624-1

Client Sample ID: S-4 1'R

Lab Sample ID: 885-31624-10

Date Collected: 08/20/25 11:55

Matrix: Solid

Date Received: 08/22/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			33161	MA	EET ALB	08/25/25 15:07
Total/NA	Analysis	300.0		10	33092	MA	EET ALB	08/25/25 21:19

Client Sample ID: S-5 0-6"

Lab Sample ID: 885-31624-11

Date Collected: 08/20/25 12:00

Matrix: Solid

Date Received: 08/22/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			33151	KLS	EET ALB	08/25/25 13:37
Total/NA	Analysis	8015M/D		1	33398	AT	EET ALB	08/28/25 03:46
Total/NA	Prep	5030C			33151	KLS	EET ALB	08/25/25 13:37
Total/NA	Analysis	8021B		1	33399	AT	EET ALB	08/28/25 03:46
Total/NA	Prep	SHAKE			33695	BZR	EET ALB	09/02/25 10:44
Total/NA	Analysis	8015M/D		1	33688	BZR	EET ALB	09/02/25 18:39
Total/NA	Prep	300_Prep			33161	MA	EET ALB	08/25/25 15:07
Total/NA	Analysis	300.0		10	33092	MA	EET ALB	08/25/25 21:29

Client Sample ID: S-5 2'

Lab Sample ID: 885-31624-12

Date Collected: 08/20/25 12:10

Matrix: Solid

Date Received: 08/22/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			33151	KLS	EET ALB	08/25/25 13:37
Total/NA	Analysis	8015M/D		1	33398	AT	EET ALB	08/28/25 04:08
Total/NA	Prep	5030C			33151	KLS	EET ALB	08/25/25 13:37
Total/NA	Analysis	8021B		1	33399	AT	EET ALB	08/28/25 04:08
Total/NA	Prep	SHAKE			33695	BZR	EET ALB	09/02/25 10:44
Total/NA	Analysis	8015M/D		1	33688	BZR	EET ALB	09/02/25 18:52
Total/NA	Prep	300_Prep			33161	MA	EET ALB	08/25/25 15:07
Total/NA	Analysis	300.0		10	33092	MA	EET ALB	08/25/25 21:40

Client Sample ID: S-5 4'

Lab Sample ID: 885-31624-13

Date Collected: 08/20/25 12:15

Matrix: Solid

Date Received: 08/22/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			33151	KLS	EET ALB	08/25/25 13:37
Total/NA	Analysis	8015M/D		1	33398	AT	EET ALB	08/28/25 04:30
Total/NA	Prep	5030C			33151	KLS	EET ALB	08/25/25 13:37
Total/NA	Analysis	8021B		1	33399	AT	EET ALB	08/28/25 04:30
Total/NA	Prep	SHAKE			33695	BZR	EET ALB	09/02/25 10:44
Total/NA	Analysis	8015M/D		1	33688	BZR	EET ALB	09/02/25 19:04
Total/NA	Prep	300_Prep			33161	MA	EET ALB	08/25/25 15:07
Total/NA	Analysis	300.0		10	33092	MA	EET ALB	08/25/25 21:51

Eurofins Albuquerque

Lab Chronicle

Client: Hilcorp Energy
Project/Site: SJ 31-6 Unit 216

Job ID: 885-31624-1

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: SJ 31-6 Unit 216

Job ID: 885-31624-1

Laboratory: Eurofins Albuquerque

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

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-27-26
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	02-26-26

- 1
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Chain-of-Custody Record

Client: Hilcorp

Turn-Around Time: Standard Rush

Project Name: SJ 31-6 Unit 216

Mailing Address: _____

Project #: _____

Phone #: _____

Project Manager: Kate Kaufman

Sampler: Brandon Sinclair

On Ice: Yes No Abbey

of Coolers: 1

Cooler Temp (including cF): 5.30.2 - 5.1 (°C)

Container Type and # 4 oz jar cool

Preservative Type _____

HEAL No. _____

Date	Time	Matrix	Sample Name
8-20	1045	soil	S-1 0-6"
	1050		S-1 2'
	1100		S-1 4'
	1110		S-2 0-6"
	1115		S-2 1.5'R
	1125		S-3 0-6"
	1135		S-3 2'
	1140		S-3 3'R
	1145		S-4 0-6"
	1155		S-4 1'R
	1200		S-5 0-6"
	1210		S-5 2'

Relinquished by: Brandon Sinclair Date: 8/21/25 Time: 1421

Relinquished by: Just Walters Date: 8/21/25 Time: 1145

Received by: Just Walters Date: 8/21/25 Time: 1421

Received by: Just Walters Date: 8/21/25 Time: 7:15

Analysis Request	
<input checked="" type="checkbox"/> BTEX / MTBE / TMBs (8021)	
<input checked="" type="checkbox"/> TPH: 8015D (GRO / DRO / MRO)	
8081 Pesticides / 8082 PCBs	
EDB (Method 504.1)	
PAHs by 8310 or 8270SIMS	
RCRA 8 Metals	
<input checked="" type="checkbox"/> Cl ⁻ , Br ⁻ , NO ₃ ⁻ , NO ₂ ⁻ , PO ₄ ⁻ , SO ₄ ⁻	
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

885-31624 COC

4901 Hawkins NE - Albuquerque, NM 87109

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

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.

pg 1 of 2

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Login Sample Receipt Checklist

Client: Hilcorp Energy

Job Number: 885-31624-1

Login Number: 31624

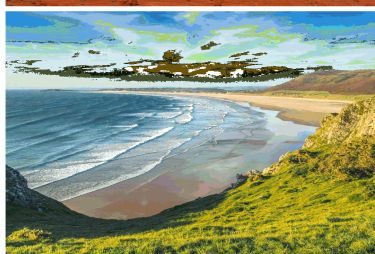
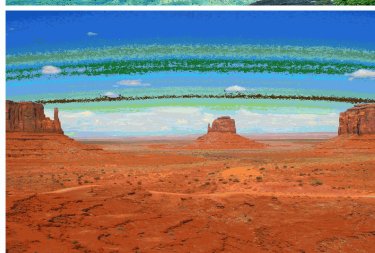
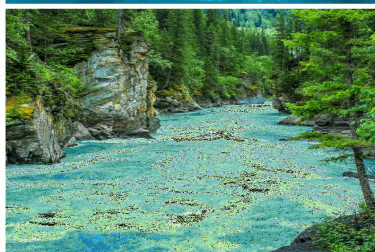
List Source: Eurofins Albuquerque

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	

Report to:
Zach Myers



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Hilcorp Energy Co

Project Name: San Juan 31-6 #216

Work Order: E510391

Job Number: 17051-0002

Received: 10/30/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/6/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 11/6/25

Zach Myers
PO Box 61529
Houston, TX 77208



Project Name: San Juan 31-6 #216
Workorder: E510391
Date Received: 10/30/2025 4:35:00PM

Zach Myers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/30/2025 4:35:00PM, under the Project Name: San Juan 31-6 #216.

The analytical test results summarized in this report with the Project Name: San Juan 31-6 #216 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Sample Summary

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: San Juan 31-6 #216 Project Number: 17051-0002 Project Manager: Zach Myers	Reported: 11/06/25 08:50
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
HA01 @ 0-6"	E510391-01A	Soil	10/30/25	10/30/25	Glass Jar, 4 oz.
HA01 @ 2'	E510391-02A	Soil	10/30/25	10/30/25	Glass Jar, 4 oz.
HA02 @ 0-6"	E510391-03A	Soil	10/30/25	10/30/25	Glass Jar, 4 oz.
HA02 @ 2'	E510391-04A	Soil	10/30/25	10/30/25	Glass Jar, 4 oz.
HA03 @ 0-6"	E510391-05A	Soil	10/30/25	10/30/25	Glass Jar, 4 oz.
HA03 @ 2'	E510391-06A	Soil	10/30/25	10/30/25	Glass Jar, 4 oz.
HA04 @ 0-6"	E510391-07A	Soil	10/30/25	10/30/25	Glass Jar, 4 oz.
HA05 @ 0-6"	E510391-08A	Soil	10/30/25	10/30/25	Glass Jar, 4 oz.
HA06 @ 0-6"	E510391-09A	Soil	10/30/25	10/30/25	Glass Jar, 4 oz.
HA06 @ 1'	E510391-10A	Soil	10/30/25	10/30/25	Glass Jar, 4 oz.
HA07 @ 0-6"	E510391-11A	Soil	10/30/25	10/30/25	Glass Jar, 4 oz.
HA07 @ 1'	E510391-12A	Soil	10/30/25	10/30/25	Glass Jar, 4 oz.
HA08 @ 0-6"	E510391-13A	Soil	10/30/25	10/30/25	Glass Jar, 4 oz.
HA08 @ 1'	E510391-14A	Soil	10/30/25	10/30/25	Glass Jar, 4 oz.
HA09 @ 0-6"	E510391-15A	Soil	10/30/25	10/30/25	Glass Jar, 4 oz.
HA09 @ 1'	E510391-16A	Soil	10/30/25	10/30/25	Glass Jar, 4 oz.

Sample Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: San Juan 31-6 #216 Project Number: 17051-0002 Project Manager: Zach Myers	Reported: 11/6/2025 8:50:45AM
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HA01 @ 0-6"

E510391-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2545006
Benzene	ND	0.0250	1	11/03/25	11/04/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/04/25	
Toluene	ND	0.0250	1	11/03/25	11/04/25	
o-Xylene	ND	0.0250	1	11/03/25	11/04/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/04/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.3 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		97.1 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2545006
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.3 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		97.1 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: HM		Batch: 2545013
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/25	11/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/25	11/03/25	
<i>Surrogate: n-Nonane</i>		95.1 %	61-141	11/03/25	11/03/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2545066
Chloride	139	20.0	1	11/04/25	11/04/25	



Sample Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: San Juan 31-6 #216 Project Number: 17051-0002 Project Manager: Zach Myers	Reported: 11/6/2025 8:50:45AM
--	---	---

HA01 @ 2'

E510391-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2545006
Benzene	ND	0.0250	1	11/03/25	11/04/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/04/25	
Toluene	ND	0.0250	1	11/03/25	11/04/25	
o-Xylene	ND	0.0250	1	11/03/25	11/04/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/04/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		86.0 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		95.1 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2545006
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		86.0 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		95.1 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2545013
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/25	11/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/25	11/03/25	
<i>Surrogate: n-Nonane</i>		93.6 %	61-141	11/03/25	11/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2545066
Chloride	35.6	20.0	1	11/04/25	11/04/25	



Sample Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: San Juan 31-6 #216 Project Number: 17051-0002 Project Manager: Zach Myers	Reported: 11/6/2025 8:50:45AM
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HA02 @ 0-6"

E510391-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2545006
Benzene	ND	0.0250	1	11/03/25	11/04/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/04/25	
Toluene	ND	0.0250	1	11/03/25	11/04/25	
o-Xylene	ND	0.0250	1	11/03/25	11/04/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/04/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		88.9 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		97.7 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2545006
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		88.9 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		97.7 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2545013
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/25	11/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/25	11/03/25	
<i>Surrogate: n-Nonane</i>		90.7 %	61-141	11/03/25	11/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2545066
Chloride	ND	20.0	1	11/04/25	11/04/25	



Sample Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: San Juan 31-6 #216 Project Number: 17051-0002 Project Manager: Zach Myers	Reported: 11/6/2025 8:50:45AM
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HA02 @ 2'

E510391-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2545006
Benzene	ND	0.0250	1	11/03/25	11/04/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/04/25	
Toluene	ND	0.0250	1	11/03/25	11/04/25	
o-Xylene	ND	0.0250	1	11/03/25	11/04/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/04/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		85.9 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		96.7 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2545006
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		85.9 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		96.7 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2545013
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/25	11/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/25	11/03/25	
<i>Surrogate: n-Nonane</i>		92.6 %	61-141	11/03/25	11/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2545066
Chloride	ND	20.0	1	11/04/25	11/04/25	



Sample Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: San Juan 31-6 #216 Project Number: 17051-0002 Project Manager: Zach Myers	Reported: 11/6/2025 8:50:45AM
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HA03 @ 0-6"

E510391-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2545006
Benzene	ND	0.0250	1	11/03/25	11/04/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/04/25	
Toluene	ND	0.0250	1	11/03/25	11/04/25	
o-Xylene	ND	0.0250	1	11/03/25	11/04/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/04/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		85.1 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		97.0 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2545006
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		85.1 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		97.0 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: HM		Batch: 2545013
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/25	11/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/25	11/03/25	
<i>Surrogate: n-Nonane</i>		92.5 %	61-141	11/03/25	11/03/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2545066
Chloride	ND	20.0	1	11/04/25	11/04/25	



Sample Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: San Juan 31-6 #216 Project Number: 17051-0002 Project Manager: Zach Myers	Reported: 11/6/2025 8:50:45AM
--	---	---

HA03 @ 2'

E510391-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2545006
Benzene	ND	0.0250	1	11/03/25	11/04/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/04/25	
Toluene	ND	0.0250	1	11/03/25	11/04/25	
o-Xylene	ND	0.0250	1	11/03/25	11/04/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/04/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.6 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		97.0 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2545006
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.6 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		97.0 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: HM		Batch: 2545013
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/25	11/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/25	11/03/25	
<i>Surrogate: n-Nonane</i>		94.5 %	61-141	11/03/25	11/03/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2545066
Chloride	ND	20.0	1	11/04/25	11/04/25	



Sample Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: San Juan 31-6 #216 Project Number: 17051-0002 Project Manager: Zach Myers	Reported: 11/6/2025 8:50:45AM
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HA04 @ 0-6"

E510391-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2545006
Benzene	ND	0.0250	1	11/03/25	11/04/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/04/25	
Toluene	ND	0.0250	1	11/03/25	11/04/25	
o-Xylene	ND	0.0250	1	11/03/25	11/04/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/04/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		85.2 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		97.0 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2545006
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		85.2 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		97.0 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: HM		Batch: 2545013
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/25	11/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/25	11/03/25	
<i>Surrogate: n-Nonane</i>		96.0 %	61-141	11/03/25	11/03/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2545066
Chloride	280	20.0	1	11/04/25	11/04/25	



Sample Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: San Juan 31-6 #216 Project Number: 17051-0002 Project Manager: Zach Myers	Reported: 11/6/2025 8:50:45AM
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HA05 @ 0-6"

E510391-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2545006
Benzene	ND	0.0250	1	11/03/25	11/04/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/04/25	
Toluene	ND	0.0250	1	11/03/25	11/04/25	
o-Xylene	ND	0.0250	1	11/03/25	11/04/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/04/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		88.3 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		96.2 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2545006
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		88.3 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		96.2 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: HM		Batch: 2545013
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/25	11/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/25	11/03/25	
<i>Surrogate: n-Nonane</i>		90.8 %	61-141	11/03/25	11/03/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2545066
Chloride	351	20.0	1	11/04/25	11/04/25	



Sample Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: San Juan 31-6 #216 Project Number: 17051-0002 Project Manager: Zach Myers	Reported: 11/6/2025 8:50:45AM
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HA06 @ 0-6"

E510391-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2545006
Benzene	ND	0.0250	1	11/03/25	11/04/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/04/25	
Toluene	ND	0.0250	1	11/03/25	11/04/25	
o-Xylene	ND	0.0250	1	11/03/25	11/04/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/04/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		85.6 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		96.8 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2545006
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		85.6 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		96.8 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: HM		Batch: 2545013
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/25	11/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/25	11/03/25	
<i>Surrogate: n-Nonane</i>		93.6 %	61-141	11/03/25	11/03/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2545066
Chloride	ND	20.0	1	11/04/25	11/04/25	



Sample Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: San Juan 31-6 #216 Project Number: 17051-0002 Project Manager: Zach Myers	Reported: 11/6/2025 8:50:45AM
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HA06 @ 1'
E510391-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2545006
Benzene	ND	0.0250	1	11/03/25	11/04/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/04/25	
Toluene	ND	0.0250	1	11/03/25	11/04/25	
o-Xylene	ND	0.0250	1	11/03/25	11/04/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/04/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.7 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		98.3 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2545006
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.7 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		98.3 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2545013
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/25	11/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/25	11/03/25	
<i>Surrogate: n-Nonane</i>		94.5 %	61-141	11/03/25	11/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2545066
Chloride	ND	20.0	1	11/04/25	11/04/25	



Sample Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: San Juan 31-6 #216 Project Number: 17051-0002 Project Manager: Zach Myers	Reported: 11/6/2025 8:50:45AM
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HA07 @ 0-6"

E510391-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2545006
Benzene	ND	0.0250	1	11/03/25	11/04/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/04/25	
Toluene	ND	0.0250	1	11/03/25	11/04/25	
o-Xylene	ND	0.0250	1	11/03/25	11/04/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/04/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		88.1 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		96.8 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2545006
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		88.1 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		96.8 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2545013
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/25	11/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/25	11/03/25	
<i>Surrogate: n-Nonane</i>		92.8 %	61-141	11/03/25	11/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2545066
Chloride	41.4	20.0	1	11/04/25	11/04/25	



Sample Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: San Juan 31-6 #216 Project Number: 17051-0002 Project Manager: Zach Myers	Reported: 11/6/2025 8:50:45AM
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HA07 @ 1'

E510391-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2545006
Benzene	ND	0.0250	1	11/03/25	11/04/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/04/25	
Toluene	ND	0.0250	1	11/03/25	11/04/25	
o-Xylene	ND	0.0250	1	11/03/25	11/04/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/04/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.2 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		95.6 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2545006
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.2 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		95.6 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: HM		Batch: 2545013
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/25	11/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/25	11/04/25	
<i>Surrogate: n-Nonane</i>		89.6 %	61-141	11/03/25	11/04/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2545066
Chloride	87.1	20.0	1	11/04/25	11/04/25	



Sample Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: San Juan 31-6 #216 Project Number: 17051-0002 Project Manager: Zach Myers	Reported: 11/6/2025 8:50:45AM
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HA08 @ 0-6"

E510391-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2545006
Benzene	ND	0.0250	1	11/03/25	11/04/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/04/25	
Toluene	ND	0.0250	1	11/03/25	11/04/25	
o-Xylene	ND	0.0250	1	11/03/25	11/04/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/04/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.8 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		97.0 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2545006
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.8 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		97.0 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: HM		Batch: 2545013
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/25	11/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/25	11/04/25	
<i>Surrogate: n-Nonane</i>		93.2 %	61-141	11/03/25	11/04/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2545066
Chloride	ND	20.0	1	11/04/25	11/04/25	



Sample Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: San Juan 31-6 #216 Project Number: 17051-0002 Project Manager: Zach Myers	Reported: 11/6/2025 8:50:45AM
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HA08 @ 1'

E510391-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2545006
Benzene	ND	0.0250	1	11/03/25	11/04/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/04/25	
Toluene	ND	0.0250	1	11/03/25	11/04/25	
o-Xylene	ND	0.0250	1	11/03/25	11/04/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/04/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.1 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		97.3 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2545006
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.1 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		97.3 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: HM		Batch: 2545013
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/25	11/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/25	11/04/25	
<i>Surrogate: n-Nonane</i>		93.9 %	61-141	11/03/25	11/04/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2545066
Chloride	ND	20.0	1	11/04/25	11/04/25	



Sample Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: San Juan 31-6 #216 Project Number: 17051-0002 Project Manager: Zach Myers	Reported: 11/6/2025 8:50:45AM
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HA09 @ 0-6"

E510391-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2545006
Benzene	ND	0.0250	1	11/03/25	11/04/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/04/25	
Toluene	ND	0.0250	1	11/03/25	11/04/25	
o-Xylene	ND	0.0250	1	11/03/25	11/04/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/04/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.5 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		97.0 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2545006
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.5 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		97.0 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: HM		Batch: 2545013
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/25	11/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/25	11/04/25	
<i>Surrogate: n-Nonane</i>		92.1 %	61-141	11/03/25	11/04/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2545066
Chloride	ND	20.0	1	11/04/25	11/04/25	



Sample Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: San Juan 31-6 #216 Project Number: 17051-0002 Project Manager: Zach Myers	Reported: 11/6/2025 8:50:45AM
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HA09 @ 1'

E510391-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2545006
Benzene	ND	0.0250	1	11/03/25	11/04/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/04/25	
Toluene	ND	0.0250	1	11/03/25	11/04/25	
o-Xylene	ND	0.0250	1	11/03/25	11/04/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/04/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.3 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		98.1 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2545006
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.3 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		98.1 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: HM		Batch: 2545013
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/25	11/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/25	11/04/25	
<i>Surrogate: n-Nonane</i>		94.3 %	61-141	11/03/25	11/04/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2545066
Chloride	ND	20.0	1	11/04/25	11/04/25	



QC Summary Data

Hilcorp Energy Co	Project Name: San Juan 31-6 #216	Reported: 11/6/2025 8:50:45AM
PO Box 61529	Project Number: 17051-0002	
Houston TX, 77208	Project Manager: Zach Myers	

Volatile Organic Compounds by EPA 8260B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2545006-BLK1)

Prepared: 11/03/25 Analyzed: 11/04/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.536		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.449		0.500		89.7	70-130			
Surrogate: Toluene-d8	0.490		0.500		97.9	70-130			

LCS (2545006-BS1)

Prepared: 11/03/25 Analyzed: 11/04/25

Benzene	2.21	0.0250	2.50		88.2	70-130			
Ethylbenzene	2.21	0.0250	2.50		88.5	70-130			
Toluene	2.17	0.0250	2.50		86.7	70-130			
o-Xylene	2.21	0.0250	2.50		88.5	70-130			
p,m-Xylene	4.58	0.0500	5.00		91.5	70-130			
Total Xylenes	6.79	0.0250	7.50		90.5	70-130			
Surrogate: Bromofluorobenzene	0.514		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.447		0.500		89.3	70-130			
Surrogate: Toluene-d8	0.484		0.500		96.8	70-130			

Matrix Spike (2545006-MS1)

Source: E510391-09

Prepared: 11/03/25 Analyzed: 11/04/25

Benzene	2.40	0.0250	2.50	ND	96.2	48-131			
Ethylbenzene	2.33	0.0250	2.50	ND	93.3	45-135			
Toluene	2.29	0.0250	2.50	ND	91.5	48-130			
o-Xylene	2.36	0.0250	2.50	ND	94.5	43-135			
p,m-Xylene	4.86	0.0500	5.00	ND	97.2	43-135			
Total Xylenes	7.22	0.0250	7.50	ND	96.3	43-135			
Surrogate: Bromofluorobenzene	0.525		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.457		0.500		91.3	70-130			
Surrogate: Toluene-d8	0.480		0.500		96.0	70-130			

Matrix Spike Dup (2545006-MSD1)

Source: E510391-09

Prepared: 11/03/25 Analyzed: 11/04/25

Benzene	2.32	0.0250	2.50	ND	92.6	48-131	3.75	23	
Ethylbenzene	2.33	0.0250	2.50	ND	93.2	45-135	0.0429	27	
Toluene	2.26	0.0250	2.50	ND	90.5	48-130	1.12	24	
o-Xylene	2.34	0.0250	2.50	ND	93.7	43-135	0.935	27	
p,m-Xylene	4.80	0.0500	5.00	ND	96.0	43-135	1.19	27	
Total Xylenes	7.14	0.0250	7.50	ND	95.2	43-135	1.11	27	
Surrogate: Bromofluorobenzene	0.526		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.458		0.500		91.5	70-130			
Surrogate: Toluene-d8	0.485		0.500		96.9	70-130			



QC Summary Data

Hilcorp Energy Co	Project Name: San Juan 31-6 #216	Reported: 11/6/2025 8:50:45AM
PO Box 61529	Project Number: 17051-0002	
Houston TX, 77208	Project Manager: Zach Myers	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2545006-BLK1)

Prepared: 11/03/25 Analyzed: 11/04/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.536		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.449		0.500		89.7	70-130			
Surrogate: Toluene-d8	0.490		0.500		97.9	70-130			

LCS (2545006-BS2)

Prepared: 11/03/25 Analyzed: 11/04/25

Gasoline Range Organics (C6-C10)	56.2	20.0	50.0		112	70-130			
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.444		0.500		88.7	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.8	70-130			

Matrix Spike (2545006-MS2)

Source: E510391-09

Prepared: 11/03/25 Analyzed: 11/04/25

Gasoline Range Organics (C6-C10)	55.8	20.0	50.0	ND	112	70-130			
Surrogate: Bromofluorobenzene	0.525		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.444		0.500		88.7	70-130			
Surrogate: Toluene-d8	0.493		0.500		98.6	70-130			

Matrix Spike Dup (2545006-MSD2)

Source: E510391-09

Prepared: 11/03/25 Analyzed: 11/04/25

Gasoline Range Organics (C6-C10)	51.7	20.0	50.0	ND	103	70-130	7.63	20	
Surrogate: Bromofluorobenzene	0.529		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.442		0.500		88.4	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.8	70-130			



QC Summary Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: San Juan 31-6 #216 Project Number: 17051-0002 Project Manager: Zach Myers	Reported: 11/6/2025 8:50:45AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2545013-BLK1)

Prepared: 11/03/25 Analyzed: 11/03/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	47.1		50.0		94.2	61-141			

LCS (2545013-BS1)

Prepared: 11/03/25 Analyzed: 11/03/25

Diesel Range Organics (C10-C28)	234	25.0	250		93.7	66-144			
Surrogate: <i>n</i> -Nonane	45.6		50.0		91.2	61-141			

Matrix Spike (2545013-MS1)

Source: E510391-06

Prepared: 11/03/25 Analyzed: 11/03/25

Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.8	56-156			
Surrogate: <i>n</i> -Nonane	48.2		50.0		96.4	61-141			

Matrix Spike Dup (2545013-MSD1)

Source: E510391-06

Prepared: 11/03/25 Analyzed: 11/03/25

Diesel Range Organics (C10-C28)	236	25.0	250	ND	94.3	56-156	3.67	20	
Surrogate: <i>n</i> -Nonane	47.2		50.0		94.3	61-141			



QC Summary Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: San Juan 31-6 #216 Project Number: 17051-0002 Project Manager: Zach Myers	Reported: 11/6/2025 8:50:45AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2545066-BLK1)

Prepared: 11/04/25 Analyzed: 11/04/25

Chloride ND 20.0

LCS (2545066-BS1)

Prepared: 11/04/25 Analyzed: 11/04/25

Chloride 250 20.0 250 99.8 90-110

Matrix Spike (2545066-MS1)

Source: E510391-04

Prepared: 11/04/25 Analyzed: 11/04/25

Chloride 251 20.0 250 ND 101 80-120

Matrix Spike Dup (2545066-MSD1)

Source: E510391-04

Prepared: 11/04/25 Analyzed: 11/04/25

Chloride 252 20.0 250 ND 101 80-120 0.245 20

QC Summary Report Comment:

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



Definitions and Notes

Hilcorp Energy Co	Project Name:	San Juan 31-6 #216	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Zach Myers	11/06/25 08:50

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Chain of Custody

Client Information		Invoice Information		Lab Use Only				TAT				State			
Client: <u>Hilcorp</u>		Company: <u>Hilcorp</u>		Lab WO# <u>E510391</u>		Job Number <u>1705-0002</u>		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: <u>San Juan 31.6 #216</u>		Address:		Address:											
Project Manager: <u>Zach Myers</u>		City, State, Zip:		City, State, Zip:											
Address:		Phone:		Phone:											
City, State, Zip:		Email: <u>kkaufman@hilcorp.com</u>		Email: <u>kkaufman@hilcorp.com</u>											
Phone:		Miscellaneous:		Miscellaneous:											
Email: <u>zmyers@ensdum.com</u>															

Sample Information										Analysis and Method						EPA Program			Remarks
Time Sampled	Date Sampled	Matrix	No of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ.1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA		
Compliance															Y	or	N		
PWSID #																			
1150	10-30	soil	1-2z	HA01e0-6"		1	X	X	X		X								3.8
1154				HA01e2"		2													3.6
1222				HA02e0-6"		3													4.2
1226				HA02e2'		5													4.5
1235				HA03e0-6"		8													4.0
1239				HA03e2'		9													3.6
1242				HA04e0-6"		7													4.0
1245				HA05e0-6"		8													3.8
1315				HA06e0-6"		9													3.8
1319				HA06e1'		10													4.2

Additional Instructions: cc: shyde@ensdum.com, agarbarini@ensdum.com, kkaufman@hilcorp.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: <u>Zach Myers</u>						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <u>(X)</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C _____					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<u>Zach Myers</u>	10-30	1630	<u>Cathy Mann</u>	10-25	1030						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Chain of Custody

Client Information		Invoice Information		Lab Use Only		TAT		State	
Client: <u>Hilcorp</u>		Company:		Lab WO#	Job Number	1D	2D	3D	Std
Project Name: <u>San Juan 31-6 #216</u>		Address:		<u>E 510391</u>	<u>17051-0002</u>				
Project Manager:		City, State, Zip:							
Address:		Phone:							
City, State, Zip:		Email:							
Phone:		Miscellaneous:							
Email:									

Sample Information										Analysis and Method						EPA Program		
Time Sampled	Date Sampled	Matrix	No of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ.1005-TX	RCRA 8 Metals	SDWA	CWA	RCRA	
1320	10-30	soil	1, 202	HA07e 0-6"		11	X	X	X	X								4.0
1335				HA07e 1'		12												3.6
1344				HA08e 0-6"		13												3.4
1348				HA08e 1'		14												3.5
1401				HA09e 0-6"		15												4.0
1406				HA09e 1'		16												4.1

Additional Instructions:

I, (field sampler) attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: <u>Zach Myers</u>						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C _____					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Envirotech Analytical Laboratory

Printed: 10/31/2025 11:22:26AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Hilcorp Energy Co	Date Received: 10/30/25 16:35	Work Order ID: E510391
Phone: -	Date Logged In: 10/31/25 11:17	Logged In By: Caitlin Mars
Email: zmyers@ensolum.com	Due Date: 11/06/25 17:00 (5 day TAT)	

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Zach Myers

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

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

Date



envirotech Inc.



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Kate Kaufman
Hilcorp Energy
PO BOX 4700
Farmington, New Mexico 87499
Generated 4/22/2026 3:58:42 PM

JOB DESCRIPTION

San Juan 31-6 #216

JOB NUMBER

885-47738-1

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
4/22/2026 3:58:42 PM

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

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Client: Hilcorp Energy
Project/Site: San Juan 31-6 #216

Laboratory Job ID: 885-47738-1



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Definitions/Glossary

Client: Hilcorp Energy
Project/Site: San Juan 31-6 #216

Job ID: 885-47738-1

Glossary

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

Case Narrative

Client: Hilcorp Energy
Project: San Juan 31-6 #216

Job ID: 885-47738-1

Job ID: 885-47738-1

Eurofins Albuquerque

Job Narrative 885-47738-1

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 4/21/2026 7:35 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 3.1°C.

Gasoline Range Organics

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

GC VOA

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

Diesel Range Organics

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

HPLC/IC

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

Eurofins Albuquerque



Client Sample Results

Client: Hilcorp Energy
 Project/Site: San Juan 31-6 #216

Job ID: 885-47738-1

Client Sample ID: FS01

Lab Sample ID: 885-47738-1

Date Collected: 04/20/26 14:20

Matrix: Solid

Date Received: 04/21/26 07:35

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		4.4	mg/Kg		04/21/26 08:43	04/21/26 12:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		15 - 150			04/21/26 08:43	04/21/26 12:37	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.022	mg/Kg		04/21/26 08:43	04/21/26 12:37	1
Ethylbenzene	ND		0.044	mg/Kg		04/21/26 08:43	04/21/26 12:37	1
Toluene	ND		0.044	mg/Kg		04/21/26 08:43	04/21/26 12:37	1
Xylenes, Total	ND		0.044	mg/Kg		04/21/26 08:43	04/21/26 12:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			04/21/26 08:43	04/21/26 12:37	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		04/21/26 09:15	04/21/26 13:40	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		04/21/26 09:15	04/21/26 13:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	105		62 - 134			04/21/26 09:15	04/21/26 13:40	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		51	mg/Kg		04/21/26 15:17	04/22/26 07:19	10

Client Sample Results

Client: Hilcorp Energy
 Project/Site: San Juan 31-6 #216

Job ID: 885-47738-1

Client Sample ID: FS02

Lab Sample ID: 885-47738-2

Date Collected: 04/20/26 14:25

Matrix: Solid

Date Received: 04/21/26 07:35

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		3.2	mg/Kg		04/21/26 08:43	04/21/26 12:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			04/21/26 08:43	04/21/26 12:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.016	mg/Kg		04/21/26 08:43	04/21/26 12:59	1
Ethylbenzene	ND		0.032	mg/Kg		04/21/26 08:43	04/21/26 12:59	1
Toluene	ND		0.032	mg/Kg		04/21/26 08:43	04/21/26 12:59	1
Xylenes, Total	ND		0.032	mg/Kg		04/21/26 08:43	04/21/26 12:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			04/21/26 08:43	04/21/26 12:59	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		04/21/26 09:15	04/21/26 13:51	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		04/21/26 09:15	04/21/26 13:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	100		62 - 134			04/21/26 09:15	04/21/26 13:51	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	230		51	mg/Kg		04/21/26 15:17	04/22/26 07:52	10

Client Sample Results

Client: Hilcorp Energy
 Project/Site: San Juan 31-6 #216

Job ID: 885-47738-1

Client Sample ID: FS03

Lab Sample ID: 885-47738-3

Date Collected: 04/20/26 14:30

Matrix: Solid

Date Received: 04/21/26 07:35

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		3.9	mg/Kg		04/21/26 08:43	04/21/26 13:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 150			04/21/26 08:43	04/21/26 13:21	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.020	mg/Kg		04/21/26 08:43	04/21/26 13:21	1
Ethylbenzene	ND		0.039	mg/Kg		04/21/26 08:43	04/21/26 13:21	1
Toluene	ND		0.039	mg/Kg		04/21/26 08:43	04/21/26 13:21	1
Xylenes, Total	ND		0.039	mg/Kg		04/21/26 08:43	04/21/26 13:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 150			04/21/26 08:43	04/21/26 13:21	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		04/21/26 09:15	04/21/26 14:02	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		04/21/26 09:15	04/21/26 14:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	103		62 - 134			04/21/26 09:15	04/21/26 14:02	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210		50	mg/Kg		04/21/26 15:17	04/22/26 08:02	10

Client Sample Results

Client: Hilcorp Energy
 Project/Site: San Juan 31-6 #216

Job ID: 885-47738-1

Client Sample ID: FS04

Lab Sample ID: 885-47738-4

Date Collected: 04/20/26 14:35

Matrix: Solid

Date Received: 04/21/26 07:35

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		4.2	mg/Kg		04/21/26 08:43	04/21/26 13:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			04/21/26 08:43	04/21/26 13:42	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.021	mg/Kg		04/21/26 08:43	04/21/26 13:42	1
Ethylbenzene	ND		0.042	mg/Kg		04/21/26 08:43	04/21/26 13:42	1
Toluene	ND		0.042	mg/Kg		04/21/26 08:43	04/21/26 13:42	1
Xylenes, Total	ND		0.042	mg/Kg		04/21/26 08:43	04/21/26 13:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		15 - 150			04/21/26 08:43	04/21/26 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		9.2	mg/Kg		04/21/26 09:15	04/21/26 14:13	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		04/21/26 09:15	04/21/26 14:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	102		62 - 134			04/21/26 09:15	04/21/26 14:13	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		50	mg/Kg		04/21/26 15:17	04/22/26 08:57	10

Client Sample Results

Client: Hilcorp Energy
 Project/Site: San Juan 31-6 #216

Job ID: 885-47738-1

Client Sample ID: FS05

Lab Sample ID: 885-47738-5

Date Collected: 04/20/26 14:40

Matrix: Solid

Date Received: 04/21/26 07:35

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		4.2	mg/Kg		04/21/26 08:43	04/21/26 14:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			04/21/26 08:43	04/21/26 14:04	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.021	mg/Kg		04/21/26 08:43	04/21/26 14:04	1
Ethylbenzene	ND		0.042	mg/Kg		04/21/26 08:43	04/21/26 14:04	1
Toluene	ND		0.042	mg/Kg		04/21/26 08:43	04/21/26 14:04	1
Xylenes, Total	ND		0.042	mg/Kg		04/21/26 08:43	04/21/26 14:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		15 - 150			04/21/26 08:43	04/21/26 14:04	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		04/21/26 09:15	04/21/26 14:24	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		04/21/26 09:15	04/21/26 14:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	106		62 - 134			04/21/26 09:15	04/21/26 14:24	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		51	mg/Kg		04/21/26 15:17	04/22/26 09:08	10

Client Sample Results

Client: Hilcorp Energy
 Project/Site: San Juan 31-6 #216

Job ID: 885-47738-1

Client Sample ID: FS06

Lab Sample ID: 885-47738-6

Date Collected: 04/20/26 14:45

Matrix: Solid

Date Received: 04/21/26 07:35

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		3.8	mg/Kg		04/21/26 08:43	04/21/26 14:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 150			04/21/26 08:43	04/21/26 14:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.019	mg/Kg		04/21/26 08:43	04/21/26 14:25	1
Ethylbenzene	ND		0.038	mg/Kg		04/21/26 08:43	04/21/26 14:25	1
Toluene	ND		0.038	mg/Kg		04/21/26 08:43	04/21/26 14:25	1
Xylenes, Total	ND		0.038	mg/Kg		04/21/26 08:43	04/21/26 14:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		15 - 150			04/21/26 08:43	04/21/26 14:25	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		04/21/26 09:15	04/21/26 14:34	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		04/21/26 09:15	04/21/26 14:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	103		62 - 134			04/21/26 09:15	04/21/26 14:34	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	280		50	mg/Kg		04/21/26 15:17	04/22/26 09:18	10

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Client Sample Results

Client: Hilcorp Energy
 Project/Site: San Juan 31-6 #216

Job ID: 885-47738-1

Client Sample ID: FS07

Lab Sample ID: 885-47738-7

Date Collected: 04/20/26 14:50

Matrix: Solid

Date Received: 04/21/26 07:35

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		3.8	mg/Kg		04/21/26 08:43	04/21/26 14:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			04/21/26 08:43	04/21/26 14:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.019	mg/Kg		04/21/26 08:43	04/21/26 14:47	1
Ethylbenzene	ND		0.038	mg/Kg		04/21/26 08:43	04/21/26 14:47	1
Toluene	ND		0.038	mg/Kg		04/21/26 08:43	04/21/26 14:47	1
Xylenes, Total	ND		0.038	mg/Kg		04/21/26 08:43	04/21/26 14:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		15 - 150			04/21/26 08:43	04/21/26 14:47	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		04/21/26 09:15	04/21/26 14:45	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		04/21/26 09:15	04/21/26 14:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	122		62 - 134			04/21/26 09:15	04/21/26 14:45	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		49	mg/Kg		04/21/26 15:17	04/22/26 09:29	10

QC Sample Results

Client: Hilcorp Energy
 Project/Site: San Juan 31-6 #216

Job ID: 885-47738-1

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

Lab Sample ID: MB 885-47147/1-A
 Matrix: Solid
 Analysis Batch: 47154

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 47147

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		04/21/26 08:43	04/21/26 10:52	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		15 - 150			04/21/26 08:43	04/21/26 10:52	1

Lab Sample ID: LCS 885-47147/2-A
 Matrix: Solid
 Analysis Batch: 47154

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 47147

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	25.1		mg/Kg		101	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	219		15 - 150				

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-47147/1-A
 Matrix: Solid
 Analysis Batch: 47155

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 47147

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/21/26 08:43	04/21/26 10:52	1
Ethylbenzene	ND		0.050	mg/Kg		04/21/26 08:43	04/21/26 10:52	1
Toluene	ND		0.050	mg/Kg		04/21/26 08:43	04/21/26 10:52	1
Xylenes, Total	ND		0.050	mg/Kg		04/21/26 08:43	04/21/26 10:52	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			04/21/26 08:43	04/21/26 10:52	1

Lab Sample ID: LCS 885-47147/3-A
 Matrix: Solid
 Analysis Batch: 47155

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 47147

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	1.03		mg/Kg		103	70 - 130
Ethylbenzene	1.00	1.04		mg/Kg		104	70 - 130
Toluene	1.00	1.04		mg/Kg		104	70 - 130
Xylenes, Total	3.00	3.09		mg/Kg		103	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	99		15 - 150				

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QC Sample Results

Client: Hilcorp Energy
 Project/Site: San Juan 31-6 #216

Job ID: 885-47738-1

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

Lab Sample ID: MB 885-47156/1-A
Matrix: Solid
Analysis Batch: 47165

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 47156

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		04/21/26 09:15	04/21/26 12:15	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		04/21/26 09:15	04/21/26 12:15	1
Surrogate	MB	MB	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	103		62 - 134			04/21/26 09:15	04/21/26 12:15	1

Lab Sample ID: LCS 885-47156/2-A
Matrix: Solid
Analysis Batch: 47165

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 47156

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Diesel Range Organics [C10-C28]	50.0	55.2		mg/Kg		110	51 - 148
Surrogate	LCS	LCS	Limits				
Di-n-octyl phthalate (Surr)	102		62 - 134				

Lab Sample ID: 885-47738-7 MS
Matrix: Solid
Analysis Batch: 47165

Client Sample ID: FS07
Prep Type: Total/NA
Prep Batch: 47156

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
Diesel Range Organics [C10-C28]	ND		49.6	56.2		mg/Kg		113	44 - 136
Surrogate	MS	MS	Limits						
Di-n-octyl phthalate (Surr)	113		62 - 134						

Lab Sample ID: 885-47738-7 MSD
Matrix: Solid
Analysis Batch: 47165

Client Sample ID: FS07
Prep Type: Total/NA
Prep Batch: 47156

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
Diesel Range Organics [C10-C28]	ND		47.2	51.4		mg/Kg		109	44 - 136	9	32
Surrogate	MSD	MSD	Limits								
Di-n-octyl phthalate (Surr)	112		62 - 134								

QC Association Summary

Client: Hilcorp Energy
Project/Site: San Juan 31-6 #216

Job ID: 885-47738-1

GC VOA

Prep Batch: 47147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-47738-1	FS01	Total/NA	Solid	5035	
885-47738-2	FS02	Total/NA	Solid	5035	
885-47738-3	FS03	Total/NA	Solid	5035	
885-47738-4	FS04	Total/NA	Solid	5035	
885-47738-5	FS05	Total/NA	Solid	5035	
885-47738-6	FS06	Total/NA	Solid	5035	
885-47738-7	FS07	Total/NA	Solid	5035	
MB 885-47147/1-A	Method Blank	Total/NA	Solid	5035	
LCS 885-47147/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 885-47147/3-A	Lab Control Sample	Total/NA	Solid	5035	

Analysis Batch: 47154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-47738-1	FS01	Total/NA	Solid	8015M/D	47147
885-47738-2	FS02	Total/NA	Solid	8015M/D	47147
885-47738-3	FS03	Total/NA	Solid	8015M/D	47147
885-47738-4	FS04	Total/NA	Solid	8015M/D	47147
885-47738-5	FS05	Total/NA	Solid	8015M/D	47147
885-47738-6	FS06	Total/NA	Solid	8015M/D	47147
885-47738-7	FS07	Total/NA	Solid	8015M/D	47147
MB 885-47147/1-A	Method Blank	Total/NA	Solid	8015M/D	47147
LCS 885-47147/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	47147

Analysis Batch: 47155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-47738-1	FS01	Total/NA	Solid	8021B	47147
885-47738-2	FS02	Total/NA	Solid	8021B	47147
885-47738-3	FS03	Total/NA	Solid	8021B	47147
885-47738-4	FS04	Total/NA	Solid	8021B	47147
885-47738-5	FS05	Total/NA	Solid	8021B	47147
885-47738-6	FS06	Total/NA	Solid	8021B	47147
885-47738-7	FS07	Total/NA	Solid	8021B	47147
MB 885-47147/1-A	Method Blank	Total/NA	Solid	8021B	47147
LCS 885-47147/3-A	Lab Control Sample	Total/NA	Solid	8021B	47147

GC Semi VOA

Prep Batch: 47156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-47738-1	FS01	Total/NA	Solid	SHAKE	
885-47738-2	FS02	Total/NA	Solid	SHAKE	
885-47738-3	FS03	Total/NA	Solid	SHAKE	
885-47738-4	FS04	Total/NA	Solid	SHAKE	
885-47738-5	FS05	Total/NA	Solid	SHAKE	
885-47738-6	FS06	Total/NA	Solid	SHAKE	
885-47738-7	FS07	Total/NA	Solid	SHAKE	
MB 885-47156/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-47156/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-47738-7 MS	FS07	Total/NA	Solid	SHAKE	
885-47738-7 MSD	FS07	Total/NA	Solid	SHAKE	

Eurofins Albuquerque

QC Association Summary

Client: Hilcorp Energy
 Project/Site: San Juan 31-6 #216

Job ID: 885-47738-1

GC Semi VOA

Analysis Batch: 47165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-47738-1	FS01	Total/NA	Solid	8015M/D	47156
885-47738-2	FS02	Total/NA	Solid	8015M/D	47156
885-47738-3	FS03	Total/NA	Solid	8015M/D	47156
885-47738-4	FS04	Total/NA	Solid	8015M/D	47156
885-47738-5	FS05	Total/NA	Solid	8015M/D	47156
885-47738-6	FS06	Total/NA	Solid	8015M/D	47156
885-47738-7	FS07	Total/NA	Solid	8015M/D	47156
MB 885-47156/1-A	Method Blank	Total/NA	Solid	8015M/D	47156
LCS 885-47156/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	47156
885-47738-7 MS	FS07	Total/NA	Solid	8015M/D	47156
885-47738-7 MSD	FS07	Total/NA	Solid	8015M/D	47156

HPLC/IC

Analysis Batch: 47158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-47738-1	FS01	Total/NA	Solid	300.0	47202
885-47738-2	FS02	Total/NA	Solid	300.0	47202
885-47738-3	FS03	Total/NA	Solid	300.0	47202
885-47738-4	FS04	Total/NA	Solid	300.0	47202
885-47738-5	FS05	Total/NA	Solid	300.0	47202
885-47738-6	FS06	Total/NA	Solid	300.0	47202
885-47738-7	FS07	Total/NA	Solid	300.0	47202

Prep Batch: 47202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-47738-1	FS01	Total/NA	Solid	300_Prep	
885-47738-2	FS02	Total/NA	Solid	300_Prep	
885-47738-3	FS03	Total/NA	Solid	300_Prep	
885-47738-4	FS04	Total/NA	Solid	300_Prep	
885-47738-5	FS05	Total/NA	Solid	300_Prep	
885-47738-6	FS06	Total/NA	Solid	300_Prep	
885-47738-7	FS07	Total/NA	Solid	300_Prep	

Lab Chronicle

Client: Hilcorp Energy
 Project/Site: San Juan 31-6 #216

Job ID: 885-47738-1

Client Sample ID: FS01

Lab Sample ID: 885-47738-1

Date Collected: 04/20/26 14:20

Matrix: Solid

Date Received: 04/21/26 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			47147	VP	EET ALB	04/21/26 08:43
Total/NA	Analysis	8015M/D		1	47154	AT	EET ALB	04/21/26 12:37
Total/NA	Prep	5035			47147	VP	EET ALB	04/21/26 08:43
Total/NA	Analysis	8021B		1	47155	AT	EET ALB	04/21/26 12:37
Total/NA	Prep	SHAKE			47156	EM	EET ALB	04/21/26 09:15
Total/NA	Analysis	8015M/D		1	47165	EM	EET ALB	04/21/26 13:40
Total/NA	Prep	300_Prep			47202	MA	EET ALB	04/21/26 15:17
Total/NA	Analysis	300.0		10	47158	EH	EET ALB	04/22/26 07:19

Client Sample ID: FS02

Lab Sample ID: 885-47738-2

Date Collected: 04/20/26 14:25

Matrix: Solid

Date Received: 04/21/26 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			47147	VP	EET ALB	04/21/26 08:43
Total/NA	Analysis	8015M/D		1	47154	AT	EET ALB	04/21/26 12:59
Total/NA	Prep	5035			47147	VP	EET ALB	04/21/26 08:43
Total/NA	Analysis	8021B		1	47155	AT	EET ALB	04/21/26 12:59
Total/NA	Prep	SHAKE			47156	EM	EET ALB	04/21/26 09:15
Total/NA	Analysis	8015M/D		1	47165	EM	EET ALB	04/21/26 13:51
Total/NA	Prep	300_Prep			47202	MA	EET ALB	04/21/26 15:17
Total/NA	Analysis	300.0		10	47158	EH	EET ALB	04/22/26 07:52

Client Sample ID: FS03

Lab Sample ID: 885-47738-3

Date Collected: 04/20/26 14:30

Matrix: Solid

Date Received: 04/21/26 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			47147	VP	EET ALB	04/21/26 08:43
Total/NA	Analysis	8015M/D		1	47154	AT	EET ALB	04/21/26 13:21
Total/NA	Prep	5035			47147	VP	EET ALB	04/21/26 08:43
Total/NA	Analysis	8021B		1	47155	AT	EET ALB	04/21/26 13:21
Total/NA	Prep	SHAKE			47156	EM	EET ALB	04/21/26 09:15
Total/NA	Analysis	8015M/D		1	47165	EM	EET ALB	04/21/26 14:02
Total/NA	Prep	300_Prep			47202	MA	EET ALB	04/21/26 15:17
Total/NA	Analysis	300.0		10	47158	EH	EET ALB	04/22/26 08:02

Client Sample ID: FS04

Lab Sample ID: 885-47738-4

Date Collected: 04/20/26 14:35

Matrix: Solid

Date Received: 04/21/26 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			47147	VP	EET ALB	04/21/26 08:43
Total/NA	Analysis	8015M/D		1	47154	AT	EET ALB	04/21/26 13:42

Eurofins Albuquerque

Lab Chronicle

Client: Hilcorp Energy
 Project/Site: San Juan 31-6 #216

Job ID: 885-47738-1

Client Sample ID: FS04

Lab Sample ID: 885-47738-4

Date Collected: 04/20/26 14:35

Matrix: Solid

Date Received: 04/21/26 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			47147	VP	EET ALB	04/21/26 08:43
Total/NA	Analysis	8021B		1	47155	AT	EET ALB	04/21/26 13:42
Total/NA	Prep	SHAKE			47156	EM	EET ALB	04/21/26 09:15
Total/NA	Analysis	8015M/D		1	47165	EM	EET ALB	04/21/26 14:13
Total/NA	Prep	300_Prep			47202	MA	EET ALB	04/21/26 15:17
Total/NA	Analysis	300.0		10	47158	EH	EET ALB	04/22/26 08:57

Client Sample ID: FS05

Lab Sample ID: 885-47738-5

Date Collected: 04/20/26 14:40

Matrix: Solid

Date Received: 04/21/26 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			47147	VP	EET ALB	04/21/26 08:43
Total/NA	Analysis	8015M/D		1	47154	AT	EET ALB	04/21/26 14:04
Total/NA	Prep	5035			47147	VP	EET ALB	04/21/26 08:43
Total/NA	Analysis	8021B		1	47155	AT	EET ALB	04/21/26 14:04
Total/NA	Prep	SHAKE			47156	EM	EET ALB	04/21/26 09:15
Total/NA	Analysis	8015M/D		1	47165	EM	EET ALB	04/21/26 14:24
Total/NA	Prep	300_Prep			47202	MA	EET ALB	04/21/26 15:17
Total/NA	Analysis	300.0		10	47158	EH	EET ALB	04/22/26 09:08

Client Sample ID: FS06

Lab Sample ID: 885-47738-6

Date Collected: 04/20/26 14:45

Matrix: Solid

Date Received: 04/21/26 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			47147	VP	EET ALB	04/21/26 08:43
Total/NA	Analysis	8015M/D		1	47154	AT	EET ALB	04/21/26 14:25
Total/NA	Prep	5035			47147	VP	EET ALB	04/21/26 08:43
Total/NA	Analysis	8021B		1	47155	AT	EET ALB	04/21/26 14:25
Total/NA	Prep	SHAKE			47156	EM	EET ALB	04/21/26 09:15
Total/NA	Analysis	8015M/D		1	47165	EM	EET ALB	04/21/26 14:34
Total/NA	Prep	300_Prep			47202	MA	EET ALB	04/21/26 15:17
Total/NA	Analysis	300.0		10	47158	EH	EET ALB	04/22/26 09:18

Client Sample ID: FS07

Lab Sample ID: 885-47738-7

Date Collected: 04/20/26 14:50

Matrix: Solid

Date Received: 04/21/26 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			47147	VP	EET ALB	04/21/26 08:43
Total/NA	Analysis	8015M/D		1	47154	AT	EET ALB	04/21/26 14:47
Total/NA	Prep	5035			47147	VP	EET ALB	04/21/26 08:43
Total/NA	Analysis	8021B		1	47155	AT	EET ALB	04/21/26 14:47

Eurofins Albuquerque

Lab Chronicle

Client: Hilcorp Energy
Project/Site: San Juan 31-6 #216

Job ID: 885-47738-1

Client Sample ID: FS07

Lab Sample ID: 885-47738-7

Date Collected: 04/20/26 14:50

Matrix: Solid

Date Received: 04/21/26 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			47156	EM	EET ALB	04/21/26 09:15
Total/NA	Analysis	8015M/D		1	47165	EM	EET ALB	04/21/26 14:45
Total/NA	Prep	300_Prep			47202	MA	EET ALB	04/21/26 15:17
Total/NA	Analysis	300.0		10	47158	EH	EET ALB	04/22/26 09:29

Laboratory References:

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



Accreditation/Certification Summary

Client: Hilcorp Energy
 Project/Site: San Juan 31-6 #216

Job ID: 885-47738-1

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	02-25-27
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0	300_Prep	Solid	Chloride
8015M/D	5035	Solid	Gasoline Range Organics (GRO)-C6-C10
8015M/D	SHAKE	Solid	Diesel Range Organics [C10-C28]
8015M/D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Oregon	NELAP	NM100001	02-25-27



Chain-of-Custody Record

Client: Hilcorp
 attn: Kate Kaufman
 Mailing Address:
 Phone #:
 email or Fax#: kkaufman@hilcorp.com
 QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation: AZ Compliance
 NELAC Other
 EDD (Type)

Turn-Around Time:
 Standard Rush Next Day
 Project Name:
San Juan 31-6 #216
 Project #:
 Project Manager: Stuart Hyde
shyde@enslum.com
 Sampler: Zach Myers
 On Ice: Yes No
 # of Coolers: 1
 Cooler Temp (including CF): 3.3-0.2 = 3.1°C
 HEAL No.

eurolins | Environment
 www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 871
 Tel. 505-345-3975 Fax 505-345-4107
 885-47738 COC

Analysis Request

TPH:8015D(GRO / DRO / MRO)	
8081 Pesticides/8082 PCB's	
EDB (Method 8011)	
PAHs by 8270SIMS	
RCRA 8 Metals	
(Cl), F, B, NO ₃ , NO ₂ , PO ₄ , SO ₄	X
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
4/20	1420	soil	FS01	4oz jar		
	1425		FS02			
	1430		FS03			
	1435		FS04			
	1440		FS05			
	1445		FS06			
	1450		FS07			

BTEX / MTBE / TMS (8021) X
 Received by: [Signature] Date: 4/20/26 Time: 1705
 Received by: [Signature] Date: 4/21/26 Time: 0735

Remarks:
cc: zmyers@enslum.com

Login Sample Receipt Checklist

Client: Hilcorp Energy

Job Number: 885-47738-1

Login Number: 47738

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	

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 587618

QUESTIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 587618
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2528243479
Incident Name	NAPP2528243479 SAN JUAN 31-6 #216 @ 30-039-25017
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-039-25017] SAN JUAN 31 6 UNIT #216

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	SAN JUAN 31-6 #216
Date Release Discovered	10/07/2025
Surface Owner	Federal

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

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: Corrosion Tank (Any) Produced Water Released: 8 BBL Recovered: 3 BBL Lost: 5 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 587618

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 587618
	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>

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	<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: 05/22/2026
--	--

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QUESTIONS, Page 3

Action 587618

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 587618
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
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 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 500 and 1000 (ft.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	None
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan
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.

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)	4000
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	18
GRO+DRO (EPA SW-846 Method 8015M)	18
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	02/01/2026
On what date will (or did) the final sampling or liner inspection occur	02/01/2026
On what date will (or was) the remediation complete(d)	02/01/2026
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	1500
What is the estimated volume (in cubic yards) that will be remediated	100

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed. The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 587618

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 587618
	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	fEEM0112336756 ENVIROTECH LANDFARM #2
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	No
OR is the off-site disposal site, to be used, an NMED facility	No
(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: 05/22/2026
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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.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 5

Action 587618

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 587618
	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 587618

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 587618
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	574692
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/21/2026
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	877
What was the total volume (cubic yards) remediated	75
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)	none

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

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

I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 05/22/2026
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QUESTIONS, Page 7

Action 587618

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 587618
	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 587618

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 587618
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	5/28/2026