

September 8, 2025

New Mexico Oil Conservation Division

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

Re: Remediation Work Plan

San Juan 28-7 Unit 230M Hilcorp Energy Company

NMOCD Incident No: nAPP2516149472

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Hilcorp Energy Company (Hilcorp), submits this *Remediation Work Plan* for a release at the San Juan 28-7 Unit 230M natural gas production well (Site). The Site is located on Bureau of Land Management (BLM) land in Unit J, Section 29, Township 28 North, Range 07 West, Rio Arriba County, New Mexico (Figure 1). This Work Plan provides a summary of delineation activities completed at the Site and outlines the proposed remediation of impacted soil associated with the release.

SITE BACKGROUND

On June 10, 2025, Hilcorp personnel discovered a release of approximately 72 barrels (bbls) of condensate and 31.5 bbls of produced water at the Site. During a routine Audio, Visual, and Olfactory (AVO) inspection, a Hilcorp operator noted the odor of condensate and observed a wet area adjacent to the base of a 400-bbl condensate aboveground storage tank (AST). Further inspection identified a pinhole leak that had developed near the manway weld on the floor of the AST due to corrosion. At that time, the remainder of the product in the AST was transferred to a suitable location and the AST was removed from service. The spilled fluids remained within secondary containment, impacting gravel and soil adjacent to the tank; however, fluids were not recovered. The AST was subsequently repaired prior to being placed back into service.

Hilcorp submitted the *Notification of Release* to the New Mexico Oil Conservation Division (NMOCD) on June 10, 2025. The NMOCD has assigned the Site Incident Number nAPP2516149472.

SITE CHARACTERIZATION

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

GEOLOGY AND HYDROGEOLOGY

The Site is located in Tertiary (Eocene) age San Jose Formation. In the report titled "Hydrogeology and Water Resources of San Juan Basin, New Mexico" (Stone, et. al., 1983), the San Jose Formation is composed of interbedded sandstones and mudstones and varies in thickness from less than 200 feet to approximately 2,700 feet. The hydrogeologic properties of the San Jose Formation are largely untested. Where sufficient yield is present, the primary use of water from this Formation is for domestic and/or livestock supply.

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.

To evaluate Site-specific depth to groundwater, borehole BH01 was advanced on July 29, 2025, to a total depth of approximately 56 feet below ground surface (bgs). Continuous soil logging indicated the borehole remained dry to the terminal depth. After a 72-hour equilibration period, a water-level indicator was used on August 4, 2025; no water was encountered at 56 feet bgs, indicating the depth to groundwater at the Site exceeds 50 feet bgs. Supporting documentation, including the BH01 drilling log and a photograph of the water-level indicator confirming no water encountered, is provided in Appendix A.

The nearest significant watercourse to the Site is an intermittent stream located approximately 800 feet northwest of the well pad. The Site is more than 200 feet from any lakebed, sinkhole, or playa lake, and more than 300 feet from any wetland or significant watercourse. No wellhead protection areas, springs, or domestic/stock wells are located within 0.5 mile of the Site. The Site is not within a 100-year floodplain, does not overlie a subsurface mine, and is situated in an area classified by the BLM as having no potential for karst development. Additionally, no schools, hospitals, institutions, churches, or other occupied permanent structures are located within 300 feet of the Site.

SITE CLOSURE CRITERIA

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH) as a combination of gasoline range organics (GRO), diesel range organics (DRO), and motor oil range organics (MRO): 2,500 mg/kg
- GRO+DRO: 1,000 mg/kgChloride: 10,000 mg/kg

DELINEATION AND SOIL SAMPLING ACTIVITIES

Upon discovery of the release, Hilcorp retained Ensolum to conduct delineation activities on June 30, 2025. Prior to mobilization, a notification of sampling activities was submitted to the NMOCD; a copy is included in Appendix B. A total of nine potholes (PH01 through PH09) were



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advanced to depths of up to 10.5 feet bgs (Figure 2). Pothole PH01 was completed immediately adjacent to the condensate AST, the source of the release, to evaluate soil with the highest potential for impacts. Subsequent potholes (PH02 through PH09) were advanced to delineate the lateral and vertical extent of impacts based on observations from PH01 and each proceeding location.

During field activities, Ensolum personnel logged soil lithology and screened for volatile organic compounds (VOCs) using a calibrated photoionization detector (PID). Soil descriptions and PID results were recorded in the field book, with representative photographs included in Appendix C. A summary of PID screening results is provided in Table 1.

To characterize potential vertical impacts, two to three soil samples were collected from each pothole. One sample was collected from the surface, a second from the terminus, and, where warranted, a third from the depth interval exhibiting the greatest observable contamination and/or PID field screening reading. Soil samples were placed directly into laboratory-provided containers, preserved on ice, and submitted under strict chain of custody protocol to Envirotech, Inc. for laboratory 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.

Site lithology generally consisted of sand and silty sand from ground surface to approximately 2 feet bgs, underlain by clay and silt to the terminal depth of each pothole. Laboratory analytical results indicated BTEX and TPH concentrations exceeding NMOCD Closure Criteria were present in one surface soil sample collected from pothole PH01. All other soil samples analyzed were either below the respective laboratory reporting limits for BTEX, TPH, and chloride or contained concentrations below the applicable Closure Criteria. A summary of analytical results is provided in Table 1 and illustrated in Figure 2, with complete laboratory reports included in Appendix D.

PROPOSED REMEDIATION WORK PLAN

Based on the soil sampling results described above, it is estimated impacted soil is present at the Site between the ground surface to a depth of approximately 4 feet bgs. Analytical results indicate impacts are confined to areas within the secondary containment berm, with an estimated areal extent of approximately 880 square feet. Based on these estimates, approximately 130 cubic yards of impacted soil are present at the Site.

Hilcorp proposes to excavate impacted soil at the Site to achieve NMOCD Closure Criteria. Soil will be excavated and transported off-Site for treatment at Envirotech Landfarm in San Juan County, New Mexico. Once field screening indicates impacted soil has been removed, 5-point composite soil samples will be collected at a frequency of one sample every 200 square feet from the floor and sidewalls of the excavation. The 5-point composite samples will be collected by placing five equivalent aliquots of soil into a resealable plastic bag and homogenizing the samples by thoroughly mixing. Soil samples will be placed directly into laboratory-provided containers, preserved on ice, and submitted under strict chain of custody protocol to Envirotech, Inc. for laboratory analysis of BTEX , TPH, and chloride utilizing the same methods stated above. Once confirmed impacted soil has been removed, the excavation will be backfilled with clean imported soil and recontoured to match pre-existing conditions at the Site.

During excavation, additional lateral delineation will also be performed in the vicinity of sample location PH02 to address the exceedance of the reclamation requirement (100 mg/kg TPH) identified at 2 feet below ground surface and to support delineation requirements for closure reporting.

Hilcorp will complete the excavation and soil sampling activities within 90 days of the date of approval of this Work Plan by the NMOCD. A *Closure Request* will be submitted within 60 days of receipt of final laboratory analytical results.



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REFERENCES

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

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.

War Wishert

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Senior Geologist

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Wes Weichert, PG (licensed in WY & TX)

Sincerely, **Ensolum**, **LLC**

Osgood Froelich Associate Scientist 415-747-9186

ofroelich@ensolum.com

Cc: Hilcorp BLM

Attachments:

Figure 1: Site Location Map

Figure 2: Delineation Soil Sample Locations

Table 1: Soil Sample Analytical Results

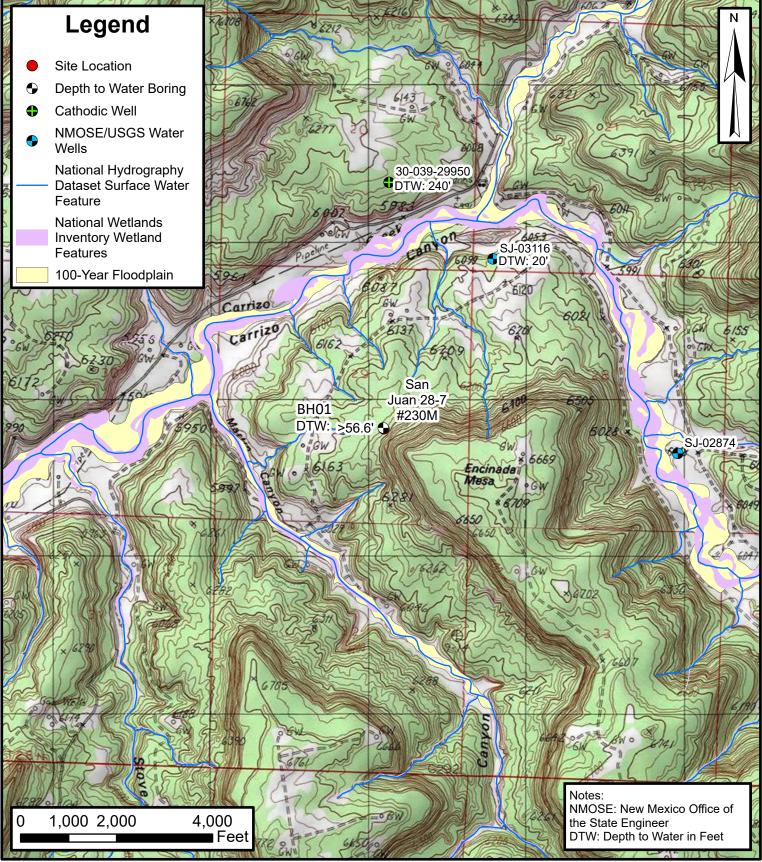
Appendix A: Depth to Water Determination Appendix B: Agency Correspondence

Appendix C: Photographic Log

Appendix D: Laboratory Analytical Reports



FIGURES



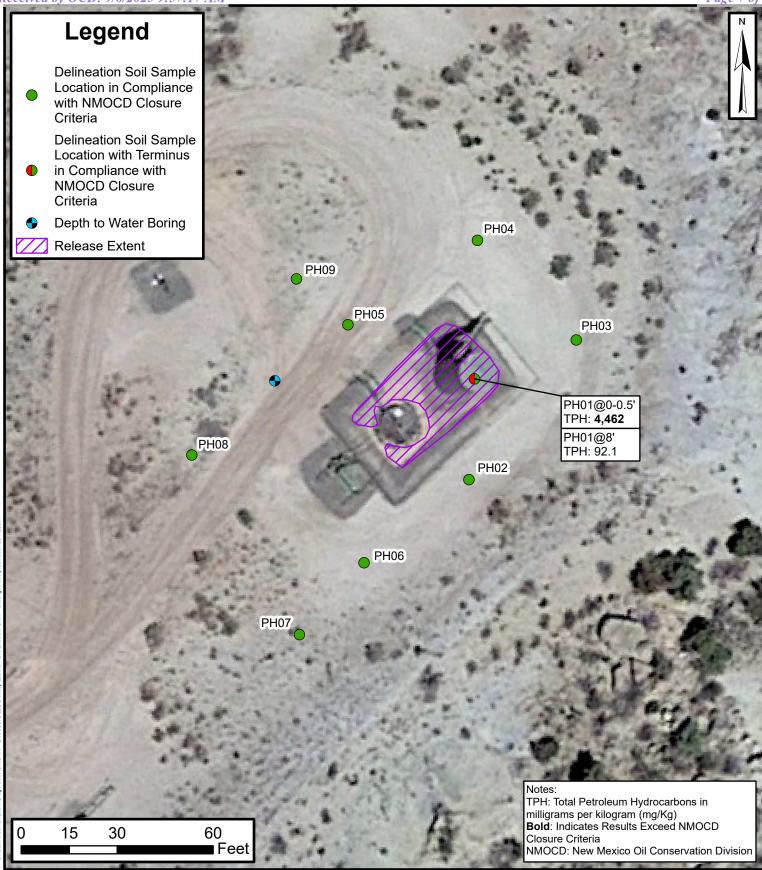


Site Location Map

San Juan 28-7 Unit 230M Hilcorp Energy Company 36.630597,-107.59372

Rio Arriba County, New Mexico

FIGURE





Delineation Soil Sample Locations

San Juan 28-7 Unit 230M Hilcorp Energy Company 36.630597,-107.59372

Rio Arriba County, New Mexico

FIGURE 2

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TABLES

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TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS

San Juan 28-7 Unit 230M Hilcorp Energy Company Rio Arriba County, New Mexico

	Rio Arriba County, New Mexico													
Sample Identification	Date	Depth (feet bgs)	PID (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Closure	Criteria for Soils Release	s Impacted by a	NE	10	NE	NE	NE	50	NE	NE	NE	1,000	2,500	10,000
PH01@0-0.5'	6/30/2025	0-0.5'	2,210	0.0358	2.16	1.84	30.8	34.84	395	3,080	987	3,475	4,462	65.5
PH01@8'	6/30/2025	8'	282.3	< 0.0250	< 0.0250	< 0.0250	0.0572	0.0572	<20.0	36.8	55.3	36.8	92.1	<20.0
PH02@0-0.5'	6/30/2025	0-0.5'	151.6	< 0.0250	< 0.0250	< 0.0250	< 0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH02@2'	6/30/2025	2'	1,439	< 0.0250	0.0782	0.0519	0.369	0.499	29.7	96.4	<50.0	126	126	<40.0
PH02@10.5'	6/30/2025	10.5'	1,442	0.0331	0.292	0.243	2.35	2.92	104	301	59.1	405	464	<40.0
PH03@0-0.5'	6/30/2025	0-0.5'	0.20	<0.0250	< 0.0250	<0.0250	< 0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH03@6'	6/30/2025	6'	1,613	< 0.0250	0.0479	< 0.0250	0.230	0.278	<20.0	88.4	<50.0	88.4	88.4	<20.0
PH03@8'	6/30/2025	8'	850.3	<0.0250	0.117	0.0500	0.482	0.649	25.7	114	<50.0	140	140	<20.0
PH04@0-0.5'	6/30/2025	0-0.5'	66.6	<0.0250	< 0.0250	<0.0250	< 0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH04@8'	6/30/2025	8'	172.3	<0.0250	0.0370	< 0.0250	0.0692	0.1062	<20.0	<25.0	<50.0	<25.0	<50.0	38.6
PH05@0-0.5'	6/30/2025	0-0.5'	69.4	<0.0250	< 0.0250	< 0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	379
PH05@8'	6/30/2025	8'	1,364	<0.0250	0.0994	0.0473	0.344	0.491	25.0	113	<50.0	138	138	<20.0
PH05@9'	6/30/2025	9'	1,526	0.0289	0.143	0.0469	0.440	0.659	23.2	45.9	<50.0	69.1	69.1	<20.0
PH06@0-0.5'	6/30/2025	0-0.5'	59.4	<0.0250	< 0.0250	< 0.0250	0.0309	0.0309	<20.0	<25.0	<50.0	<25.0	<50.0	<40.0
PH06@6'	6/30/2025	6'	1,606	<0.0250	0.119	0.0778	0.668	0.865	40.1	128	<50.0	168	168	<40.0
PH06@10'	6/30/2025	10'	796.1	< 0.0250	0.144	0.0875	0.810	1.04	42.0	132	<50.0	174	174	<40.0
PH07@0-0.5'	6/30/2025	0-0.5'	0.5	<0.0250	< 0.0250	<0.0250	< 0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH07@6'	6/30/2025	6'	0.5	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	<200
PH07@9'	6/30/2025	9'	0.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	<200
PH08@0-0.5'	6/30/2025	0-0.5'	0.5	<0.0250	<0.0250	<0.0250	< 0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	<40.0
PH08@8'	6/30/2025	8'	13.1	<0.0250	< 0.0250	<0.0250	< 0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	<100
PH08@10'	6/30/2025	10'	20.9	<0.0250	0.0421	<0.0250	0.0534	0.0955	<20.0	<25.0	<50.0	<25.0	<50.0	57.5
PH09@0-0.5'	6/30/2025	0-0.5'	6.8	<0.0250	<0.0250	<0.0250	< 0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH09@7'	6/30/2025	7'	42.2	<0.0250	0.152	0.0269	0.275	0.454	<20.0	<25.0	<50.0	<25.0	<50.0	<40.0
PH09@8.5'	6/30/2025	8.5'	51.6	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

Notes:

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

NMOCD: New Mexico Oil Conservation Division

PID: Photoionization detector ppm: Parts per million

GRO: Gasoline Range Organics DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics TPH: Total Petroleum Hydrocarbon

': Feet

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

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



APPENDIX A

Depth to Water Determination

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							Boring Method	1: HSA	
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TIERRA CORROSION CONTROL, INC. DRILLING LOG

COMPANY: ConocoPhillips LOCATION: San Juan 28-7 232G

STATE: NM BIT SIZE: 7 7/8"

LBS COKE BACKFILL: 2,600# ANODE TYPE: 2" X 60" Duriron DATE: March 28, 2008 LEGALS: S20 T28N R7W DRILLER: Eugene Silago

CASING SIZE/TYPE: 8" X 20 PVC

VENT PIPE: 300' ANODE AMOUNT: 10 COUNTY: Rio Arriba

DEPTH: 300'

COKE TYPE: Asbury PERF PIPE: 180' – 300' BOULDER DRILLING: None

DEPTH	DRILLER'S LOG	AMPS	DEPTH	DRILLER'S LOG	AMPS
20	Sand Stone		310		
25			315		
30			320		
35			325		
40			330		
45			335		
50			340		
55			345		
60			350		
65		-	355	7	1
70			360		
75		1	365		
80		-	370		-
85		4	375		
90		4	380		
95		+			
		1.0	385		
100		1.2	390		
105	V	1.2	395		_
110	Shale	2.4	400		
115		1.6	405		
120	Sand Stone	.7	410		
125		.6	415		
130		.6	420		
135		.5	425		
140		.5	430		
145		.6	435		
150		.5	440		
155		.5	445		
160	10	.6	450		
165		.8	455		
170	*	1.0	460		
175	Hard Sandy Shale	2.3	465		
180	Tiara canaj chalo	2.4	470		
185		1.5	475		-
190		1.2	480		
195		1.9	485		
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205		2.1	495		_
210		2.4	500	ii	_
215			500	9	
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		2.0	0 8		
225		1.9			
230		1.9			
235		1.9			
240		2.0			
245		2.0			
250		1.9			
255		2.1			
260		1.2			
265		1.3			
270		1.9			
275		2.0			
280		2.2			
285		2.1			
290		2.2			
295		2.1			
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305					

OT LOUIS DE			
ANODE #	DEPTH	NO COKE	COKE
1	290	2.2	4.6
2	280	2.2	5.0
3	270	1.9	4.4
4	260	1.2	3.0
5	250	1.9	4.6
6	240	2.0	5.2
7	230	1.9	5.1
8	220	2.0	3.7
9	210	2.4	5.1
10	200	2.0	5.1
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WATER DEPTH: 240' ISOLATION PLUGS: None LOGING VOLTS: 12.8

VOLT SOURCE: AUTO BATTERY

TOTAL AMPS: 13.5

TOTAL GB RESISTANCE: .94

REMARKS:



APPENDIX B

Agency Correspondence

From: OCDOnline@state.nm.us

To: Stuart Hyde

Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 475962

Date: Tuesday, June 17, 2025 2:43:51 PM

[**EXTERNAL EMAIL**]

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

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2516149472.

The sampling event is expected to take place:

When: 06/20/2025 @ 10:00

Where: J-29-28N-07W 2020 FSL 1900 FEL (36.630597,-107.59372)

Additional Information: Contact PM Stuart Hyde 970-903-1607 or Wes Weichert 916-266-

8732

Additional Instructions: San Juan 28-7 230M (30-039-26091) GPS: 36.630597,-107.59372

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



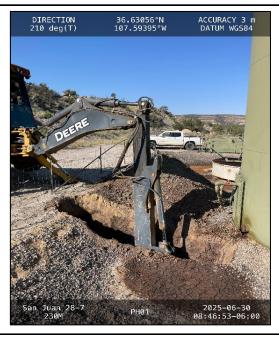
APPENDIX C

Photographic Log



Photographic Log

Hilcorp Energy Company San Juan 28-7 230M Rio Arriba County, New Mexico



Photograph: 1 Date: 6/30/2025 Description: PH01, at release point, inside fencing.

View: South



Photograph: 2 Date: 6/30/2025 Description: PH02, South of PH01, outside fencing.

View: North



Photograph: 3 Date: 6/30/2025

Description: PH03, outside fencing.

View: North



Photograph: 4 Date: 8/4/2025

Description: PH05, outside fencing.

View: Northwest



Photographic Log

Hilcorp Energy Company San Juan 28-7 230M Rio Arriba County, New Mexico



Photograph: 5 Date: 6/30/2025

Description: PH06, outside fencing.

View: North



Photograph: 6 Date: 6/30/2025

Description: PH07, outside fencing.

View: North



Photograph: 7 Date: 6/30/2025

Description: PH08, outside fencing.

View: East



Photograph: 8 Date: 8/4/2025

Description: PH09, outside fencing.

View: Southeast



Photographic Log

Hilcorp Energy Company San Juan 28-7 230M Rio Arriba County, New Mexico



Photograph: 9 Date: 8/4/2025 Description: Dry depth to water boring at \sim 56' bgs.

View: South

DIRECTION 113 deg(T) 36.63050°N ACCURACY 3 m DATUM WGS84

SJ 28-7 230M 2025-08-04
11:57:46-06:00

Photograph: 10 Date: 8/4/2025

Description: DTW Boring backfilled.

View: East



APPENDIX D

Laboratory Analytical Reports

Report to:
Kate Kaufman







5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Hilcorp Energy Co

Project Name: San Juan 28-7 230M

Work Order: E507002

Job Number: 17051-0002

Received: 7/1/2025

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 7/10/25

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

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

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

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

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

Date Reported: 7/10/25

Kate Kaufman PO Box 61529 Houston, TX 77208

Project Name: San Juan 28-7 230M

Workorder: E507002

Date Received: 7/1/2025 2:00:00PM

Kate Kaufman,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/1/2025 2:00:00PM, under the Project Name: San Juan 28-7 230M.

The analytical test results summarized in this report with the Project Name: San Juan 28-7 230M apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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PH02 @ 10.5'	9
PH02 @ 0-0.5'	10
PH03 @ 0-0.5'	11
PH03 @ 6'	12
PH03 @ 8'	13
PH04 @ 0-0.5'	14
PH04 @ 8'	15
PH05 @ 8'	16
PH05 @ 9'	17
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CI	nain of Custody etc.	40

Sample Summary

	Hilcorp Energy Co	Project Name:	San Juan 28-7 230M	D4. J.
l	PO Box 61529	Project Number:	17051-0002	Reported:
l	Houston TX, 77208	Project Manager:	Kate Kaufman	07/10/25 12:45

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH01 @ 0-0.5'	E507002-01A	Soil	06/30/25	07/01/25	Glass Jar, 4 oz.
PH01 @ 8'	E507002-02A	Soil	06/30/25	07/01/25	Glass Jar, 4 oz.
PH02 @ 2'	E507002-03A	Soil	06/30/25	07/01/25	Glass Jar, 4 oz.
PH02 @ 10.5'	E507002-04A	Soil	06/30/25	07/01/25	Glass Jar, 4 oz.
PH02 @ 0-0.5'	E507002-05A	Soil	06/30/25	07/01/25	Glass Jar, 4 oz.
PH03 @ 0-0.5'	E507002-06A	Soil	06/30/25	07/01/25	Glass Jar, 4 oz.
PH03 @ 6'	E507002-07A	Soil	06/30/25	07/01/25	Glass Jar, 4 oz.
PH03 @ 8'	E507002-08A	Soil	06/30/25	07/01/25	Glass Jar, 4 oz.
PH04 @ 0-0.5'	E507002-09A	Soil	06/30/25	07/01/25	Glass Jar, 4 oz.
PH04 @ 8'	E507002-10A	Soil	06/30/25	07/01/25	Glass Jar, 4 oz.
PH05 @ 8'	E507002-11A	Soil	06/30/25	07/01/25	Glass Jar, 4 oz.
PH05 @ 9'	E507002-12A	Soil	06/30/25	07/01/25	Glass Jar, 4 oz.
PH05 @ 0-0.5'	E507002-13A	Soil	06/30/25	07/01/25	Glass Jar, 4 oz.
PH06 @ 0-0.5'	E507002-14A	Soil	06/30/25	07/01/25	Glass Jar, 4 oz.
PH06 @ 6'	E507002-15A	Soil	06/30/25	07/01/25	Glass Jar, 4 oz.
PH06 @ 10'	E507002-16A	Soil	06/30/25	07/01/25	Glass Jar, 4 oz.
PH07 @ 0-0.5'	E507002-17A	Soil	06/30/25	07/01/25	Glass Jar, 4 oz.
PH07 @ 6'	E507002-18A	Soil	06/30/25	07/01/25	Glass Jar, 4 oz.
PH07 @ 9'	E507002-19A	Soil	06/30/25	07/01/25	Glass Jar, 4 oz.
PH08 @ 0-0.5'	E507002-20A	Soil	06/30/25	07/01/25	Glass Jar, 4 oz.
PH08 @ 8'	E507002-21A	Soil	06/30/25	07/01/25	Glass Jar, 4 oz.
PH08 @ 10'	E507002-22A	Soil	06/30/25	07/01/25	Glass Jar, 4 oz.
PH09 @ 0-0.5'	E507002-23A	Soil	06/30/25	07/01/25	Glass Jar, 4 oz.
PH09 @ 7'	E507002-24A	Soil	06/30/25	07/01/25	Glass Jar, 4 oz.
PH09 @ 8.5'	E507002-25A	Soil	06/30/25	07/01/25	Glass Jar, 4 oz.

Hilcorp Energy Co	Project Name:	San Juan 28-7 230M	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Kate Kaufman	7/10/2025 12:45:43PM

PH01 @ 0-0.5' E507002-01

		2007002 01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: SL		Batch: 2527064
Benzene	0.0358	0.0250	1	07/02/25	07/04/25	
Ethylbenzene	1.84	0.0250	1	07/02/25	07/04/25	
Toluene	2.16	0.0250	1	07/02/25	07/04/25	
o-Xylene	7.25	0.0250	1	07/02/25	07/04/25	
p,m-Xylene	23.5	0.0500	1	07/02/25	07/04/25	
Total Xylenes	30.8	0.0250	1	07/02/25	07/04/25	
Surrogate: 4-Bromochlorobenzene-PID		89.3 %	70-130	07/02/25	07/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2527064
Gasoline Range Organics (C6-C10)	395	20.0	1	07/02/25	07/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		168 %	70-130	07/02/25	07/04/25	S5
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KH		Batch: 2527103
Diesel Range Organics (C10-C28)	3080	25.0	1	07/03/25	07/03/25	Т9
Oil Range Organics (C28-C36)	987	50.0	1	07/03/25	07/03/25	
Surrogate: n-Nonane		253 %	61-141	07/03/25	07/03/25	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2528018
Chloride	65.5	20.0	1	07/07/25	07/07/25	

Hilcorp Energy Co	Project Name:	San Juan 28-7 230M	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Kate Kaufman	7/10/2025 12:45:43PM

PH01 @ 8' E507002-02

	L307002 02				
Result	Reporting Limit		n Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	Analyst: SL		Batch: 2527064
ND	0.0250	1	07/02/25	07/07/25	
ND	0.0250	1	07/02/25	07/07/25	
ND	0.0250	1	07/02/25	07/07/25	
ND	0.0250	1	07/02/25	07/07/25	
0.0572	0.0500	1	07/02/25	07/07/25	
0.0572	0.0250	1	07/02/25	07/07/25	
	97.1 %	70-130	07/02/25	07/07/25	
mg/kg	mg/kg	Analyst: SL			Batch: 2527064
ND	20.0	1	07/02/25	07/07/25	
	103 %	70-130	07/02/25	07/07/25	
mg/kg	mg/kg	Ana	ılyst: KH		Batch: 2527103
36.8	25.0	1	07/03/25	07/03/25	
55.3	50.0	1	07/03/25	07/03/25	
	94.6 %	61-141	07/03/25	07/03/25	
mg/kg	mg/kg	Ana	ılyst: DT		Batch: 2528018
ND	20.0	1	07/07/25	07/07/25	
	mg/kg ND ND ND ND 0.0572 0.0572 mg/kg ND mg/kg 36.8 55.3	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 0.0572 0.0500 0.0572 0.0250 97.1 % mg/kg MD 20.0 103 % mg/kg mg/kg mg/kg 36.8 25.0 55.3 50.0 94.6 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 0.0572 0.0500 1 0.0572 0.0250 1 97.1 % 70-130 mg/kg mg/kg Ana ND 20.0 1 103 % 70-130 mg/kg mg/kg Ana 36.8 25.0 1 55.3 50.0 1 mg/kg mg/kg Ana	Reporting Result Limit Dilution Prepared mg/kg Analyst: SL ND 0.0250 1 07/02/25 ND 0.0250 1 07/02/25 ND 0.0250 1 07/02/25 ND 0.0250 1 07/02/25 0.0572 0.0500 1 07/02/25 0.0572 0.0250 1 07/02/25 mg/kg mg/kg Analyst: SL ND 20.0 1 07/02/25 mg/kg mg/kg Analyst: KH 36.8 25.0 1 07/03/25 55.3 50.0 1 07/03/25 mg/kg Mg/kg Analyst: DT	Reporting Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: SL ND 0.0250 1 07/02/25 07/07/25 0.0572 0.0500 1 07/02/25 07/07/25 0.0572 0.0250 1 07/02/25 07/07/25 97.1 % 70-130 07/02/25 07/07/25 mg/kg mg/kg Analyst: SL ND 20.0 1 07/02/25 07/07/25 mg/kg mg/kg Analyst: KH 36.8 25.0 1 07/03/25 07/03/25 55.3 50.0 1 07/03/25 07/03/25 mg/kg mg/kg Analyst: DT

 Hilcorp Energy Co
 Project Name:
 San Juan 28-7 230M

 PO Box 61529
 Project Number:
 17051-0002
 Reported:

 Houston TX, 77208
 Project Manager:
 Kate Kaufman
 7/10/2025 12:45:43PM

PH02 @ 2' E507002-03

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	mg/kg Analyst: SL			Batch: 2527064
Benzene	ND	0.0250	1	07/02/25	07/04/25	
Ethylbenzene	0.0519	0.0250	1	07/02/25	07/04/25	
Toluene	0.0782	0.0250	1	07/02/25	07/04/25	
o-Xylene	0.0786	0.0250	1	07/02/25	07/04/25	
p,m-Xylene	0.290	0.0500	1	07/02/25	07/04/25	
Total Xylenes	0.369	0.0250	1	07/02/25	07/04/25	
Surrogate: 4-Bromochlorobenzene-PID		95.1 %	70-130	07/02/25	07/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2527064
Gasoline Range Organics (C6-C10)	29.7	20.0	1	07/02/25	07/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		113 %	70-130	07/02/25	07/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KH		Batch: 2527103
Diesel Range Organics (C10-C28)	96.4	25.0	1	07/03/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/25	07/03/25	
Surrogate: n-Nonane		96.8 %	61-141	07/03/25	07/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2528018
Chloride	ND	40.0	2	07/07/25	07/07/25	

Hilcorp Energy Co	Project Name:	San Juan 28-7 230M	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Kate Kaufman	7/10/2025 12:45:43PM

PH02 @ 10.5'

		E507002-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2527064
Benzene	0.0331	0.0250	1	07/02/25	07/04/25	
Ethylbenzene	0.243	0.0250	1	07/02/25	07/04/25	
Toluene	0.292	0.0250	1	07/02/25	07/04/25	
o-Xylene	0.616	0.0250	1	07/02/25	07/04/25	
p,m-Xylene	1.73	0.0500	1	07/02/25	07/04/25	
Total Xylenes	2.35	0.0250	1	07/02/25	07/04/25	
Surrogate: 4-Bromochlorobenzene-PID		95.4 %	70-130	07/02/25	07/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2527064
Gasoline Range Organics (C6-C10)	104	20.0	1	07/02/25	07/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		140 %	70-130	07/02/25	07/04/25	S5
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KH		Batch: 2527103
Diesel Range Organics (C10-C28)	301	25.0	1	07/03/25	07/03/25	Т9
Oil Range Organics (C28-C36)	59.1	50.0	1	07/03/25	07/03/25	
Surrogate: n-Nonane		110 %	61-141	07/03/25	07/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2528018
Chloride	ND	40.0	2	07/07/25	07/07/25	



Oil Range Organics (C28-C36)

Anions by EPA 300.0/9056A

Surrogate: n-Nonane

Chloride

Sample Data

Hilcorp Energy Co	Project Name:	San Juan 28-7 230M	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Kate Kaufman	7/10/2025 12:45:43PM

PH02 @ 0-0.5' E507002-05

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2527064
Benzene	ND	0.0250	1	07/02/25	07/04/25	
Ethylbenzene	ND	0.0250	1	07/02/25	07/04/25	
Toluene	ND	0.0250	1	07/02/25	07/04/25	
o-Xylene	ND	0.0250	1	07/02/25	07/04/25	
p,m-Xylene	ND	0.0500	1	07/02/25	07/04/25	
Total Xylenes	ND	0.0250	1	07/02/25	07/04/25	
Surrogate: 4-Bromochlorobenzene-PID		98.7 %	70-130	07/02/25	07/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2527064
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/02/25	07/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	07/02/25	07/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KH		Batch: 2527103
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/25	07/03/25	

50.0

mg/kg

20.0

61-141

94.1 %

07/03/25

07/03/25

07/07/25

Analyst: DT

1

07/03/25

07/03/25

07/07/25

Batch: 2528018

ND

mg/kg

ND



Hilcorp Energy Co	Project Name:	San Juan 28-7 230M	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Kate Kaufman	7/10/2025 12:45:43PM

PH03 @ 0-0.5'

E50	170	102	_06

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2527064
Benzene	ND	0.0250	1	07/02/25	07/04/25	
Ethylbenzene	ND	0.0250	1	07/02/25	07/04/25	
Toluene	ND	0.0250	1	07/02/25	07/04/25	
o-Xylene	ND	0.0250	1	07/02/25	07/04/25	
p,m-Xylene	ND	0.0500	1	07/02/25	07/04/25	
Total Xylenes	ND	0.0250	1	07/02/25	07/04/25	
Surrogate: 4-Bromochlorobenzene-PID		96.2 %	70-130	07/02/25	07/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2527064
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/02/25	07/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	07/02/25	07/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: KH		Batch: 2527103
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/25	07/03/25	
Surrogate: n-Nonane		90.7 %	61-141	07/03/25	07/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: DT		Batch: 2528018
Chloride	ND	20.0	1	07/07/25	07/07/25	



Hilcorp Energy Co	Project Name:	San Juan 28-7 230M	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Kate Kaufman	7/10/2025 12:45:43PM

PH03 @ 6' E507002-07

		E30/002-07				
	D 1	Reporting		D 1		N
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2527064
Benzene	ND	0.0250	1	07/02/25	07/04/25	
Ethylbenzene	ND	0.0250	1	07/02/25	07/04/25	
Toluene	0.0479	0.0250	1	07/02/25	07/04/25	
o-Xylene	0.0761	0.0250	1	07/02/25	07/04/25	
o,m-Xylene	0.154	0.0500	1	07/02/25	07/04/25	
Total Xylenes	0.230	0.0250	1	07/02/25	07/04/25	
Surrogate: 4-Bromochlorobenzene-PID		95.6 %	70-130	07/02/25	07/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2527064
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/02/25	07/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		108 %	70-130	07/02/25	07/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2527103
Diesel Range Organics (C10-C28)	88.4	25.0	1	07/03/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/25	07/03/25	
Surrogate: n-Nonane		97.2 %	61-141	07/03/25	07/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2528018
Chloride	ND	20.0	1	07/07/25	07/07/25	



Hilcorp Energy Co	Project Name:	San Juan 28-7 230M	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Kate Kaufman	7/10/2025 12:45:43PM

PH03 @ 8' E507002-08

		E30/002-08				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
-				•		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2527064
Benzene	ND	0.0250	1	07/02/25	07/04/25	
Ethylbenzene	0.0500	0.0250	1	07/02/25	07/04/25	
Toluene	0.117	0.0250	1	07/02/25	07/04/25	
o-Xylene	0.148	0.0250	1	07/02/25	07/04/25	
p,m-Xylene	0.334	0.0500	1	07/02/25	07/04/25	
Total Xylenes	0.482	0.0250	1	07/02/25	07/04/25	
Surrogate: 4-Bromochlorobenzene-PID		97.4 %	70-130	07/02/25	07/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2527064
Gasoline Range Organics (C6-C10)	25.7	20.0	1	07/02/25	07/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		109 %	70-130	07/02/25	07/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2527103
Diesel Range Organics (C10-C28)	114	25.0	1	07/03/25	07/03/25	Т9
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/25	07/03/25	
Surrogate: n-Nonane		98.7 %	61-141	07/03/25	07/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2528018
Chloride	ND	20.0	1	07/07/25	07/07/25	

Hilcorp Energy Co	Project Name:	San Juan 28-7 230M	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Kate Kaufman	7/10/2025 12:45:43PM

PH04 @ 0-0.5'

E507002-09						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: SL		Batch: 2527064
Benzene	ND	0.0250	1	07/02/25	07/04/25	
Ethylbenzene	ND	0.0250	1	07/02/25	07/04/25	
Toluene	ND	0.0250	1	07/02/25	07/04/25	
o-Xylene	ND	0.0250	1	07/02/25	07/04/25	
p,m-Xylene	ND	0.0500	1	07/02/25	07/04/25	
Total Xylenes	ND	0.0250	1	07/02/25	07/04/25	
Surrogate: 4-Bromochlorobenzene-PID		96.7 %	70-130	07/02/25	07/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	llyst: SL		Batch: 2527064
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/02/25	07/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	07/02/25	07/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KH		Batch: 2527103
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/25	07/03/25	
Surrogate: n-Nonane		92.3 %	61-141	07/03/25	07/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	llyst: DT		Batch: 2528018
Chloride	ND	20.0	1	07/07/25	07/07/25	



Hilcorp Energy Co	Project Name:	San Juan 28-7 230M	
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Houston TX, 77208	Project Manager:	Kate Kaufman	7/10/2025 12:45:43PM

PH04 @ 8' E507002-10

	E30/002-10				
	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: SL		Batch: 2527064
ND	0.0250	1	07/02/25	07/04/25	
ND	0.0250	1	07/02/25	07/04/25	
0.0370	0.0250	1	07/02/25	07/04/25	
ND	0.0250	1	07/02/25	07/04/25	
0.0692	0.0500	1	07/02/25	07/04/25	
0.0692	0.0250	1	07/02/25	07/04/25	
	96.7 %	70-130	07/02/25	07/04/25	
mg/kg	mg/kg	Ana	lyst: SL		Batch: 2527064
ND	20.0	1	07/02/25	07/04/25	
	101 %	70-130	07/02/25	07/04/25	
mg/kg	mg/kg	Ana	lyst: KH		Batch: 2527103
ND	25.0	1	07/03/25	07/03/25	
ND	50.0	1	07/03/25	07/03/25	
	92.4 %	61-141	07/03/25	07/03/25	
mg/kg	mg/kg	Ana	lyst: DT		Batch: 2528018
38.6	20.0	1	07/07/25	07/07/25	
	mg/kg ND ND 0.0370 ND 0.0692 0.0692 mg/kg ND mg/kg	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 0.0370 0.0250 ND 0.0250 0.0692 0.0500 0.0692 0.0250 mg/kg mg/kg ND 20.0 101 % mg/kg ND 25.0 ND 50.0 92.4 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 0.0370 0.0250 1 ND 0.0250 1 0.0692 0.0500 1 0.0692 0.0250 1 mg/kg mg/kg Ana ND 20.0 1 101% 70-130 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1 92.4% 61-141 61-141 mg/kg mg/kg Ana	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: SL ND 0.0250 1 07/02/25 ND 0.0250 1 07/02/25 0.0370 0.0250 1 07/02/25 ND 0.0250 1 07/02/25 0.0692 0.0500 1 07/02/25 0.0692 0.0250 1 07/02/25 mg/kg mg/kg Analyst: SL ND 20.0 1 07/02/25 mg/kg mg/kg Analyst: KH ND 25.0 1 07/03/25 ND 50.0 1 07/03/25 ND 50.0 1 07/03/25 Mg/kg 61-141 07/03/25 mg/kg mg/kg Analyst: DT	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: SL ND 0.0250 1 07/02/25 07/04/25 ND 0.0250 1 07/02/25 07/04/25 0.0370 0.0250 1 07/02/25 07/04/25 ND 0.0250 1 07/02/25 07/04/25 0.0692 0.0500 1 07/02/25 07/04/25 0.0692 0.0250 1 07/02/25 07/04/25 mg/kg mg/kg Analyst: SL ND 07/04/25 mg/kg mg/kg Analyst: SL 07/04/25 mg/kg mg/kg Analyst: KH ND 25.0 1 07/03/25 07/03/25 ND 25.0 1 07/03/25 07/03/25 07/03/25 ND 50.0 1 07/03/25 07/03/25 ND 50.0 1 07/03/25 07/03/25 Mg/kg <td< td=""></td<>

Hilcorp Energy Co	Project Name:	San Juan 28-7 230M	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Kate Kaufman	7/10/2025 12:45:43PM

PH05 @ 8' E507002-11

		E30/002-11				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Miaryte	Result	Lillit	Dilution	Trepared	Allalyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2527064
Benzene	ND	0.0250	1	07/02/25	07/04/25	
Ethylbenzene	0.0473	0.0250	1	07/02/25	07/04/25	
Toluene	0.0994	0.0250	1	07/02/25	07/04/25	
o-Xylene	0.0748	0.0250	1	07/02/25	07/04/25	
p,m-Xylene	0.270	0.0500	1	07/02/25	07/04/25	
Total Xylenes	0.344	0.0250	1	07/02/25	07/04/25	
Surrogate: 4-Bromochlorobenzene-PID		98.5 %	70-130	07/02/25	07/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2527064
Gasoline Range Organics (C6-C10)	25.0	20.0	1	07/02/25	07/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		111 %	70-130	07/02/25	07/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KH		Batch: 2527103
Diesel Range Organics (C10-C28)	113	25.0	1	07/03/25	07/03/25	Т9
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/25	07/03/25	
Surrogate: n-Nonane		99.8 %	61-141	07/03/25	07/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2528018
Chloride	ND	20.0	1	07/07/25	07/07/25	



Hilcorp Energy Co	Project Name:	San Juan 28-7 230M	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Kate Kaufman	7/10/2025 12:45:43PM

PH05 @ 9' E507002-12

		E30/002-12				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
				•		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2527064
Benzene	0.0289	0.0250	1	07/02/25	07/04/25	
Ethylbenzene	0.0469	0.0250	1	07/02/25	07/04/25	
Toluene	0.143	0.0250	1	07/02/25	07/04/25	
o-Xylene	0.137	0.0250	1	07/02/25	07/04/25	
p,m-Xylene	0.303	0.0500	1	07/02/25	07/04/25	
Total Xylenes	0.440	0.0250	1	07/02/25	07/04/25	
Surrogate: 4-Bromochlorobenzene-PID		98.7 %	70-130	07/02/25	07/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2527064
Gasoline Range Organics (C6-C10)	23.2	20.0	1	07/02/25	07/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		111 %	70-130	07/02/25	07/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KH		Batch: 2527103
Diesel Range Organics (C10-C28)	45.9	25.0	1	07/03/25	07/03/25	Т9
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/25	07/03/25	
Surrogate: n-Nonane		97.4 %	61-141	07/03/25	07/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2528018
Chloride	ND	20.0	1	07/07/25	07/07/25	

Hilcorp Energy Co	Project Name:	San Juan 28-7 230M	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Kate Kaufman	7/10/2025 12:45:43PM

PH05 @ 0-0.5'

E50	700	n 2 1	12

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2527064
Benzene	ND	0.0250	1	07/02/25	07/04/25	
Ethylbenzene	ND	0.0250	1	07/02/25	07/04/25	
Toluene	ND	0.0250	1	07/02/25	07/04/25	
o-Xylene	ND	0.0250	1	07/02/25	07/04/25	
p,m-Xylene	ND	0.0500	1	07/02/25	07/04/25	
Total Xylenes	ND	0.0250	1	07/02/25	07/04/25	
Surrogate: 4-Bromochlorobenzene-PID		94.5 %	70-130	07/02/25	07/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2527064
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/02/25	07/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	07/02/25	07/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KH		Batch: 2527103
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/25	07/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/25	07/04/25	
Surrogate: n-Nonane		91.5 %	61-141	07/03/25	07/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2528018
	376	40.0	2	07/07/25	07/07/25	



Hilcorp Energy Co	Project Name:	San Juan 28-7 230M	
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Houston TX, 77208	Project Manager:	Kate Kaufman	7/10/2025 12:45:43PM

PH06 @ 0-0.5'

		E507002-14						
Reporting								
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2527064		
Benzene	ND	0.0250	1	07/02/25	07/04/25			
Ethylbenzene	ND	0.0250	1	07/02/25	07/04/25			
Toluene	ND	0.0250	1	07/02/25	07/04/25			
o-Xylene	0.0309	0.0250	1	07/02/25	07/04/25			
o,m-Xylene	ND	0.0500	1	07/02/25	07/04/25			
Total Xylenes	0.0309	0.0250	1	07/02/25	07/04/25			
Surrogate: 4-Bromochlorobenzene-PID		96.6 %	70-130	07/02/25	07/04/25			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2527064		
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/02/25	07/04/25			
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	07/02/25	07/04/25			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2527103		
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/25	07/04/25			
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/25	07/04/25			
Surrogate: n-Nonane		93.4 %	61-141	07/03/25	07/04/25			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2528018		
Chloride	ND	40.0	2	07/07/25	07/07/25			



Hilcorp Energy Co	Project Name:	San Juan 28-7 230M	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Kate Kaufman	7/10/2025 12:45:43PM

PH06 @ 6' E507002-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2527064
Benzene	ND	0.0250	1	07/02/25	07/07/25	
Ethylbenzene	0.0778	0.0250	1	07/02/25	07/07/25	
Toluene	0.119	0.0250	1	07/02/25	07/07/25	
o-Xylene	0.190	0.0250	1	07/02/25	07/07/25	
p,m-Xylene	0.478	0.0500	1	07/02/25	07/07/25	
Total Xylenes	0.668	0.0250	1	07/02/25	07/07/25	
Surrogate: 4-Bromochlorobenzene-PID		94.9 %	70-130	07/02/25	07/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2527064
Gasoline Range Organics (C6-C10)	40.1	20.0	1	07/02/25	07/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		121 %	70-130	07/02/25	07/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2527103
Diesel Range Organics (C10-C28)	128	25.0	1	07/03/25	07/04/25	Т9
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/25	07/04/25	
Surrogate: n-Nonane		101 %	61-141	07/03/25	07/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2528018
Chloride	ND	40.0	2	07/07/25	07/07/25	

Hilcorp Energy Co	Project Name:	San Juan 28-7 230M	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Kate Kaufman	7/10/2025 12:45:43PM

PH06 @ 10' E507002-16

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: SL		Batch: 2527064
Benzene	ND	0.0250	1	07/02/25	07/07/25	
Ethylbenzene	0.0875	0.0250	1	07/02/25	07/07/25	
Toluene	0.144	0.0250	1	07/02/25	07/07/25	
o-Xylene	0.228	0.0250	1	07/02/25	07/07/25	
p,m-Xylene	0.582	0.0500	1	07/02/25	07/07/25	
Total Xylenes	0.810	0.0250	1	07/02/25	07/07/25	
Surrogate: 4-Bromochlorobenzene-PID		97.1 %	70-130	07/02/25	07/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2527064
Gasoline Range Organics (C6-C10)	42.0	20.0	1	07/02/25	07/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		116 %	70-130	07/02/25	07/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KH		Batch: 2527103
Diesel Range Organics (C10-C28)	132	25.0	1	07/03/25	07/04/25	Т9
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/25	07/04/25	
Surrogate: n-Nonane		100 %	61-141	07/03/25	07/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2528018
Chloride	ND	40.0	2	07/07/25	07/08/25	

Chloride

Sample Data

Hilcorp Energy Co	Project Name:	San Juan 28-7 230M	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Kate Kaufman	7/10/2025 12:45:43PM

PH07 @ 0-0.5'

E507002-17								
Reporting								
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2527064		
Benzene	ND	0.0250	1	07/02/25	07/07/25			
Ethylbenzene	ND	0.0250	1	07/02/25	07/07/25			
Toluene	ND	0.0250	1	07/02/25	07/07/25			
o-Xylene	ND	0.0250	1	07/02/25	07/07/25			
p,m-Xylene	ND	0.0500	1	07/02/25	07/07/25			
Total Xylenes	ND	0.0250	1	07/02/25	07/07/25			
Surrogate: 4-Bromochlorobenzene-PID		97.5 %	70-130	07/02/25	07/07/25			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2527064		
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/02/25	07/07/25			
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	07/02/25	07/07/25			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KH		Batch: 2527103		
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/25	07/04/25			
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/25	07/04/25			
Surrogate: n-Nonane		92.2 %	61-141	07/03/25	07/04/25			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2528018		

20.0

ND

07/07/25

07/08/25



Hilcorp Energy Co	Project Name:	San Juan 28-7 230M	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Kate Kaufman	7/10/2025 12:45:43PM

PH07 @ 6' E507002-18

		E307002 10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2527064
Benzene	ND	0.0250	1	07/02/25	07/07/25	
Ethylbenzene	ND	0.0250	1	07/02/25	07/07/25	
Toluene	ND	0.0250	1	07/02/25	07/07/25	
o-Xylene	ND	0.0250	1	07/02/25	07/07/25	
p,m-Xylene	ND	0.0500	1	07/02/25	07/07/25	
Total Xylenes	ND	0.0250	1	07/02/25	07/07/25	
Surrogate: 4-Bromochlorobenzene-PID		95.2 %	70-130	07/02/25	07/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2527064
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/02/25	07/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	07/02/25	07/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KH		Batch: 2527103
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/25	07/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/25	07/04/25	
Surrogate: n-Nonane		92.7 %	61-141	07/03/25	07/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2528018
Chloride	ND	200	10	07/07/25	07/08/25	



 Hilcorp Energy Co
 Project Name:
 San Juan 28-7 230M

 PO Box 61529
 Project Number:
 17051-0002
 Reported:

 Houston TX, 77208
 Project Manager:
 Kate Kaufman
 7/10/2025 12:45:43PM

PH07 @ 9' E507002-19

	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: SL		Batch: 2527064
ND	0.0250	1	07/02/25	07/07/25	
ND	0.0250	1	07/02/25	07/07/25	
ND	0.0250	1	07/02/25	07/07/25	
ND	0.0250	1	07/02/25	07/07/25	
ND	0.0500	1	07/02/25	07/07/25	
ND	0.0250	1	07/02/25	07/07/25	
	96.6 %	70-130	07/02/25	07/07/25	
mg/kg	kg mg/kg Analyst: SL			Batch: 2527064	
ND	20.0	1	07/02/25	07/07/25	
	106 %	70-130	07/02/25	07/07/25	
mg/kg	mg/kg	Analy	st: KH		Batch: 2527103
ND	25.0	1	07/03/25	07/04/25	
ND	50.0	1	07/03/25	07/04/25	
	93.9 %	61-141	07/03/25	07/04/25	
mg/kg	mg/kg	Analy	st: DT		Batch: 2528018
ND	200	10	07/07/25	07/08/25	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0 106 % mg/kg MD 25.0 ND 50.0 93.9 % mg/kg mg/kg mg/kg	mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 96.6% 70-130 mg/kg mg/kg Analy ND 20.0 1 106% 70-130 1 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 93.9% 61-141 61-141 mg/kg mg/kg Analy	Result Limit Dilution Prepared mg/kg mg/kg Analyst: SL ND 0.0250 1 07/02/25 ND 0.0250 1 07/02/25 ND 0.0250 1 07/02/25 ND 0.0500 1 07/02/25 ND 0.0250 1 07/02/25 ND 0.0250 1 07/02/25 mg/kg mg/kg Analyst: SL ND 20.0 1 07/02/25 mg/kg mg/kg Analyst: KH ND 25.0 1 07/03/25 ND 50.0 1 07/03/25 ND 50.0 1 07/03/25 mg/kg Mg/kg Analyst: KH	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: SL ND 0.0250 1 07/02/25 07/07/25 ND 0.0500 1 07/02/25 07/07/25 ND 0.0250 1 07/02/25 07/07/25 ND 0.0250 1 07/02/25 07/07/25 mg/kg mg/kg Analyst: SL ND 20.0 1 07/02/25 07/07/25 mg/kg mg/kg Analyst: KH ND 25.0 1 07/03/25 07/04/25 ND 25.0 1 07/03/25 07/04/25 ND 50.0 1 07/03/25 07/04/25 ND 50.0 1 07/03/25 07/04/25 <td< td=""></td<>

Hilcorp Energy Co	Project Name:	San Juan 28-7 230M	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Kate Kaufman	7/10/2025 12:45:43PM

PH08 @ 0-0.5'

E507002-20

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2527064
Benzene	ND	0.0250	1	07/02/25	07/07/25	
Ethylbenzene	ND	0.0250	1	07/02/25	07/07/25	
Toluene	ND	0.0250	1	07/02/25	07/07/25	
o-Xylene	ND	0.0250	1	07/02/25	07/07/25	
p,m-Xylene	ND	0.0500	1	07/02/25	07/07/25	
Total Xylenes	ND	0.0250	1	07/02/25	07/07/25	
Surrogate: 4-Bromochlorobenzene-PID		97.8 %	70-130	07/02/25	07/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2527064
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/02/25	07/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	07/02/25	07/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KH		Batch: 2527103
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/25	07/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/25	07/04/25	
Surrogate: n-Nonane		93.7 %	61-141	07/03/25	07/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2528018



Hilcorp Energy Co	Project Name:	San Juan 28-7 230M	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Kate Kaufman	7/10/2025 12:45:43PM

PH08 @ 8' E507002-21

		E30/002-21				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	Analyst: BA		
Benzene	ND	0.0250	1	07/02/25	07/04/25	
Ethylbenzene	ND	0.0250	1	07/02/25	07/04/25	
Toluene	ND	0.0250	1	07/02/25	07/04/25	
o-Xylene	ND	0.0250	1	07/02/25	07/04/25	
p,m-Xylene	ND	0.0500	1	07/02/25	07/04/25	
Total Xylenes	ND	0.0250	1	07/02/25	07/04/25	
Surrogate: 4-Bromochlorobenzene-PID		98.3 %	70-130	07/02/25	07/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2527065
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/02/25	07/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.4 %	70-130	07/02/25	07/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2527094
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/25	07/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/25	07/07/25	
Surrogate: n-Nonane		93.1 %	61-141	07/03/25	07/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2528017
Chloride	ND	100	5	07/07/25	07/08/25	



Hilcorp Energy Co	Project Name:	San Juan 28-7 230M	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Kate Kaufman	7/10/2025 12:45:43PM

PH08 @ 10' E507002-22

		E30700E EE				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2527065
Benzene	ND	0.0250	1	07/02/25	07/04/25	
Ethylbenzene	ND	0.0250	1	07/02/25	07/04/25	
Toluene	0.0421	0.0250	1	07/02/25	07/04/25	
o-Xylene	ND	0.0250	1	07/02/25	07/04/25	
o,m-Xylene	0.0534	0.0500	1	07/02/25	07/04/25	
Total Xylenes	0.0534	0.0250	1	07/02/25	07/04/25	
Surrogate: 4-Bromochlorobenzene-PID		96.2 %	70-130	07/02/25	07/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: BA		Batch: 2527065
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/02/25	07/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		80.6 %	70-130	07/02/25	07/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2527094
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/25	07/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/25	07/07/25	
Surrogate: n-Nonane		88.7 %	61-141	07/03/25	07/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2528017
Chloride	57.5	40.0	2	07/07/25	07/08/25	



Hilcorp Energy Co	Project Name:	San Juan 28-7 230M	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Kate Kaufman	7/10/2025 12:45:43PM

PH09 @ 0-0.5'

E507002-23											
Reporting											
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes					
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2527065					
Benzene	ND	0.0250	1	07/02/25	07/04/25						
Ethylbenzene	ND	0.0250	1	07/02/25	07/04/25						
Toluene	ND	0.0250	1	07/02/25	07/04/25						
o-Xylene	ND	0.0250	1	07/02/25	07/04/25						
p,m-Xylene	ND	0.0500	1	07/02/25	07/04/25						
Total Xylenes	ND	0.0250	1	07/02/25	07/04/25						
Surrogate: 4-Bromochlorobenzene-PID		95.4 %	70-130	07/02/25	07/04/25						
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2527065					
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/02/25	07/04/25						
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.0 %	70-130	07/02/25	07/04/25						
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2527094					
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/25	07/07/25						
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/25	07/07/25						
Surrogate: n-Nonane		89.0 %	61-141	07/03/25	07/07/25						
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2528017					
Chloride	ND	20.0	1	07/07/25	07/08/25						



Hilcorp Energy Co	Project Name:	San Juan 28-7 230M	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Kate Kaufman	7/10/2025 12:45:43PM

PH09 @ 7' E507002-24

		E307002 24				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2527065
Benzene	ND	0.0250	1	07/02/25	07/04/25	
Ethylbenzene	0.0269	0.0250	1	07/02/25	07/04/25	
Toluene	0.152	0.0250	1	07/02/25	07/04/25	
o-Xylene	0.0547	0.0250	1	07/02/25	07/04/25	
o,m-Xylene	0.220	0.0500	1	07/02/25	07/04/25	
Total Xylenes	0.275	0.0250	1	07/02/25	07/04/25	
Surrogate: 4-Bromochlorobenzene-PID		94.8 %	70-130	07/02/25	07/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2527065
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/02/25	07/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.1 %	70-130	07/02/25	07/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2527094
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/25	07/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/25	07/07/25	
Surrogate: n-Nonane		92.4 %	61-141	07/03/25	07/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2528017
Chloride	ND	40.0	2	07/07/25	07/08/25	

Hilcorp Energy Co	Project Name:	San Juan 28-7 230M	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Kate Kaufman	7/10/2025 12:45:43PM

PH09 @ 8.5' E507002-25

		E307002-23				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2527065
Benzene	ND	0.0250	1	07/02/25	07/04/25	
Ethylbenzene	ND	0.0250	1	07/02/25	07/04/25	
Toluene	ND	0.0250	1	07/02/25	07/04/25	
o-Xylene	ND	0.0250	1	07/02/25	07/04/25	
p,m-Xylene	ND	0.0500	1	07/02/25	07/04/25	
Total Xylenes	ND	0.0250	1	07/02/25	07/04/25	
Surrogate: 4-Bromochlorobenzene-PID		95.9 %	70-130	07/02/25	07/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: BA		Batch: 2527065
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/02/25	07/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		79.4 %	70-130	07/02/25	07/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2527094
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/25	07/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/25	07/07/25	
Surrogate: n-Nonane		91.8 %	61-141	07/03/25	07/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2528017
Chloride	ND	20.0	1	07/07/25	07/08/25	



QC Summary Data

San Juan 28-7 230M Hilcorp Energy Co Project Name: Reported: PO Box 61529 Project Number: 17051-0002 Houston TX, 77208 Project Manager: Kate Kaufman 7/10/2025 12:45:43PM **Volatile Organics by EPA 8021B** Analyst: SL Source RPD Reporting Spike Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2527064-BLK1) Prepared: 07/02/25 Analyzed: 07/04/25 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.65 8.00 95.7 70-130 LCS (2527064-BS1) Prepared: 07/02/25 Analyzed: 07/04/25 5.01 5.00 100 70-130 0.0250 Benzene Ethylbenzene 5.03 0.0250 5.00 101 70-130 70-130 Toluene 5.04 0.0250 5.00 101 5.03 101 70-130 o-Xylene 0.0250 5.00 10.2 0.0500 10.0 102 70-130 p,m-Xylene 15.2 101 70-130 0.0250 15.0 Total Xylenes 91.8 70-130 8.00 Surrogate: 4-Bromochlorobenzene-PID 7.34

Matrix Spike (2527064-MS1)				Source:	E507002-1	11	Prepared: 07/02/25 Analyzed: 07/04/25
Benzene	4.47	0.0250	5.00	ND	89.4	70-130	
Ethylbenzene	4.49	0.0250	5.00	0.0473	88.9	70-130	
Toluene	4.53	0.0250	5.00	0.0994	88.6	70-130	
o-Xylene	4.74	0.0250	5.00	0.0748	93.3	70-130	
p,m-Xylene	9.51	0.0500	10.0	0.270	92.4	70-130	
Total Xylenes	14.3	0.0250	15.0	0.344	92.7	70-130	
Surrogate: 4-Bromochlorobenzene-PID	7.73		8.00		96.7	70-130	

Matrix Spike Dup (2527064-MSD1)					Source: E507002-11			Prepared: 07/02/25 Analyzed: 07/07/25		
Benzene	4.73	0.0250	5.00	ND	94.6	70-130	5.60	27		
Ethylbenzene	4.74	0.0250	5.00	0.0473	93.9	70-130	5.37	26		
Toluene	4.77	0.0250	5.00	0.0994	93.5	70-130	5.22	20		
o-Xylene	4.93	0.0250	5.00	0.0748	97.2	70-130	4.03	25		
p,m-Xylene	9.97	0.0500	10.0	0.270	97.0	70-130	4.72	23		
Total Xylenes	14.9	0.0250	15.0	0.344	97.1	70-130	4.49	26		
Surrogate: 4-Bromochlorobenzene-PID	7.59		8.00		94.8	70-130				

Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 4-Bromochlorobenzene-PID

Ethylbenzene Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Matrix Spike Dup (2527065-MSD1)

7.56

5.36

5.37

5.51

5.46

10.9

16.3

7.62

QC Summary Data

San Juan 28-7 230M Hilcorp Energy Co Project Name: Reported: PO Box 61529 Project Number: 17051-0002 Houston TX, 77208 Project Manager: Kate Kaufman 7/10/2025 12:45:43PM **Volatile Organics by EPA 8021B** Analyst: BA Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2527065-BLK1) Prepared: 07/02/25 Analyzed: 07/04/25 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.32 8.00 91.5 70-130 LCS (2527065-BS1) Prepared: 07/02/25 Analyzed: 07/04/25 5.01 100 70-130 5.00 Benzene 0.0250 Ethylbenzene 5.04 0.0250 5.00 101 70-130 5.05 0.0250 5.00 101 70-130 Toluene 102 o-Xylene 5.10 0.0250 5.00 70-130 10.1 10.0 101 70-130 0.0500 p.m-Xvlene 102 70-130 15.2 15.0 Total Xylenes 0.0250 8.00 94.9 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.60 Matrix Spike (2527065-MS1) Source: E507002-24 Prepared: 07/02/25 Analyzed: 07/04/25 5.12 0.0250 5.00 ND 70-130 Benzene 0.0269 103 70-130 Ethylbenzene 5.15 0.0250 5.00 Toluene 5.28 0.0250 5.00 0.152 103 70-130 5.21 0.0547 103 70-130 5.00 0.0250 o-Xylene p,m-Xylene 10.5 0.0500 10.0 0.220 103 70-130 0.0250 15.0 0.275 70-130 Total Xylenes

8.00

5.00

5.00

5.00

5.00

10.0

15.0

8.00

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

70-130

70-130

70-130

70-130

70-130

70-130

70-130

70-130

4.41

4.06

4.16

4.64

3.80

4.08

Source: E507002-24

107

107

108

107

107

95.2

ND

0.0269

0.152

0.0547

0.220

0.275



Prepared: 07/02/25 Analyzed: 07/04/25

27

26

20

25

23

26

Matrix Spike Dup (2527064-MSD2)

Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

78.1

9.01

20.0

QC Summary Data

Hilcorp Energy Co	Project Name:	San Juan 28-7 230M	Reported:
PO Box 61529	Project Number:	17051-0002	-
Houston TX, 77208	Project Manager:	Kate Kaufman	7/10/2025 12:45:43PM

PO Box 61529 Houston TX, 77208		Project Number: Project Manager		051-0002 ite Kaufman					7/10/2025 12:45:43PM
	Non	halogenated (Organics l	by EPA 801	5D - GI	RO			Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2527064-BLK1)							Prepared: 0	7/02/25 A	Analyzed: 07/04/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.24		8.00		103	70-130			
LCS (2527064-BS2)							Prepared: 0	7/02/25 A	Analyzed: 07/07/25
Gasoline Range Organics (C6-C10)	52.2	20.0	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.69		8.00		109	70-130			
Matrix Spike (2527064-MS2)				Source: I	E 507002 -1	11	Prepared: 0	7/02/25 A	Analyzed: 07/04/25
Matrix Spike (2527064-MS2) Gasoline Range Organics (C6-C10)	73.9	20.0	50.0	Source: I	2 507002- 1	70-130	Prepared: 0	7/02/25 A	Analyzed: 07/04/25

50.0 8.00 Source: E507002-11

106

113

70-130

70-130

5.45

25.0

Prepared: 07/02/25 Analyzed: 07/04/25

20

QC Summary Data

Hilcorp Energy CoProject Name:San Juan 28-7 230MReported:PO Box 61529Project Number:17051-0002Houston TX, 77208Project Manager:Kate Kaufman7/10/2025 12:45:43PM

Nonhalogenated	Organics b	by EPA	8015D - GRO
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Analyst: BA

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

	resurt		20.01		100				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2527065-BLK1)							Prepared: 0	7/02/25 Ana	lyzed: 07/04/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.81		8.00		85.1	70-130			
LCS (2527065-BS2)							Prepared: 0	7/02/25 Ana	lyzed: 07/04/25
Gasoline Range Organics (C6-C10)	42.8	20.0	50.0		85.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.72		8.00		84.0	70-130			
Matrix Spike (2527065-MS2)				Source:	E507002-2	24	Prepared: 0	7/02/25 Ana	lyzed: 07/04/25
Gasoline Range Organics (C6-C10)	48.6	20.0	50.0	ND	97.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.55		8.00		81.8	70-130			
Matrix Spike Dup (2527065-MSD2)				Source:	E507002-2	24	Prepared: 0	7/02/25 Ana	lyzed: 07/04/25
Gasoline Range Organics (C6-C10)	42.9	20.0	50.0	ND	85.8	70-130	12.6	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.50		8.00		81.2	70-130			



Surrogate: n-Nonane

QC Summary Data

Hilcorp Energy CoProject Name:San Juan 28-7 230MReported:PO Box 61529Project Number:17051-0002Houston TX, 77208Project Manager:Kate Kaufman7/10/2025 12:45:43PM

110ustoii 1A, 7/208		Floject Manage	1. Ka	ate Kaumman				,,	710/2023 12.43.431 N
	Nonha	EPA 8015I) - DRO	/ORO			Analyst: NV		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2527094-BLK1)							Prepared: 0	7/03/25 An	alyzed: 07/03/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.1		50.0		92.3	61-141			
LCS (2527094-BS1)							Prepared: 0	7/03/25 An	alyzed: 07/03/25
Diesel Range Organics (C10-C28)	241	25.0	250		96.5	66-144			
Surrogate: n-Nonane	46.0		50.0		92.0	61-141			
Matrix Spike (2527094-MS1)				Source:	E507002-	22	Prepared: 0	7/03/25 An	alyzed: 07/03/25
Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	56-156			
Surrogate: n-Nonane	48.2		50.0		96.4	61-141			
Matrix Spike Dup (2527094-MSD1)				Source:	E507002-	22	Prepared: 0	7/03/25 An	alyzed: 07/03/25
Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	56-156	0.959	20	

50.0

61-141



QC Summary Data

Hilcorp Energy Co	Project Name:	San Juan 28-7 230M	Reported:
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Kate Kaufman	7/10/2025 12:45:43PM

1 Toject Wiai	lager. K	ate Kauman					//10/2025 12:45:43PN
onhalogenated	Organics by	EPA 80151	D - DRO	/ORO			Analyst: KH
•	g Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
kg mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
					Prepared: 0	7/03/25 A	nalyzed: 07/03/25
D 25.0							
D 50.0							
.6	50.0		93.2	61-141			
					Prepared: 0	7/03/25 A	nalyzed: 07/03/25
7 25.0	250		98.6	66-144			
.1	50.0		92.1	61-141			
		Source:	E507002-	13	Prepared: 0	7/03/25 A	nalyzed: 07/03/25
4 25.0	250	ND	102	56-156			
.9	50.0		93.8	61-141			
		Source:	E507002-	13	Prepared: 0	7/03/25 A	nalyzed: 07/03/25
51 25.0	250	ND	100	56-156	1.11	20	
			91.7				
1 1	Reportin Limit mg/kg D 25.0 D 50.0 1.1 1.1 1.4 1.7 2.5.0 1.1 1.4 2.5.0	Reporting Spike Limit Level mg/kg mg/kg mg/kg	Source	Reporting Spike Source Result Rec Result Rec mg/kg mg/kg mg/kg mg/kg %	Reporting Spike Source Result Rec Limit Level Result Rec Limits mg/kg mg/kg mg/kg % % % % % % % % %	Reporting Limit Level Result Rec Limits RPD Prepared: 0	Reporting Spike Source Rec Limits RPD Limit Level Result Rec Limits RPD Limit Mag mg/kg mg/kg % % % % % % % % % % % % % % % % % %



Chloride

QC Summary Data

Hilcorp Energy Co	Project Name:	San Juan 28-7 230M	Reported:
PO Box 61529	Project Number:	17051-0002	•
Houston TX, 77208	Project Manager:	Kate Kaufman	7/10/2025 12:45:43PM

110ustoii 1X, 7/208		1 Toject Manage	1. K	ate Kauffilan				,	710/2023 12:43:43110	
Anions by EPA 300.0/9056A Analyst: IY										
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes	
Blank (2528017-BLK1)							Prepared: 0	7/07/25 An	alyzed: 07/08/25	
Chloride	ND	20.0								
LCS (2528017-BS1)							Prepared: 0	7/07/25 An	alyzed: 07/08/25	
Chloride	256	20.0	250		103	90-110				
Matrix Spike (2528017-MS1)				Source:	E507001-	01	Prepared: 0	7/07/25 An	alyzed: 07/08/25	
Chloride	280	20.0	250	29.0	100	80-120				
Matrix Spike Dup (2528017-MSD1)				Source:	E507001-	01	Prepared: 0	7/07/25 An	alyzed: 07/08/25	

250

29.0

80-120

2.52

20.0



Matrix Spike (2528018-MS1)

Matrix Spike Dup (2528018-MSD1)

Chloride

Chloride

257

257

Prepared: 07/07/25 Analyzed: 07/07/25

Prepared: 07/07/25 Analyzed: 07/07/25

20

QC Summary Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208		Project Name: Project Number: Project Manager:	17	San Juan 28-7 230M 17051-0002 Kate Kaufman					Reported: 7/10/2025 12:45:43PM
110,000,001,111,77,200		, e		300.0/9056 <i>A</i>	<u> </u>				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
Blank (2528018-BLK1)							Prepared: 0	7/07/25 Aı	nalyzed: 07/07/25
Chloride	ND	20.0							
LCS (2528018-BS1)							Prepared: 0	7/07/25 Aı	nalyzed: 07/07/25
Chloride	254	20.0	250		102	90-110			

250

250

20.0

20.0

Source: E507002-02

Source: E507002-02

103

103

80-120

80-120

0.0697

ND

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 28-7 230M	
١	PO Box 61529	Project Number:	17051-0002	Reported:
1	Houston TX, 77208	Project Manager:	Kate Kaufman	07/10/25 12:45

S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.

T9 DRO includes undifferentiated early eluting analytes characteristic of GRO.

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.



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Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID		Field	Lab Numb	er DRO/ORO	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	State CO UT TX A Program CWA RCF e Y or
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4090				PH02@2'				3		1									1	1.0	
935)	PH02@10.5	5'			4	(_	\Box	L									3.8	
2939				PH02@O-	0.5'			5		IZ										4.2	
1019				PH03@ 0-	o.5,			4	$\perp \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$	Δ	1								1	4.5	
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1129	6/30/25	so:1	one 4-oz	PH05@8'				11		X	X	X		X							3.4		
1134		{		PH05@9'				12													4.0		
1135				PH05@0-	0.5'			13	,			7		7		$ \top $					4.0		
1210				PH06@0-	0.5'			14	;	\mathcal{T}											3.8		
1157			1	рно6@6'				15	-	(7)							3.4		
1208	/			PH06@10'	·			16	,	7	1	1		7							32		
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1308		-		PH07@6'				18		1		(7		1					3.0		
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		_	г	Sample Infor	mation			1	⊢ §	<u>8</u>	8 8	y 826	ge 30	905	8 Me		N.	<u>خ</u>	.	ᇎᇛ	
Time ampled	Date Sampled	Matrix	No. of Containers		Sample ID		Field	Lab Numbe	DRO/ORO	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	State CO UT TX A Program CWA RCRA e Y Or N Remarks
337	6/30/25	soil	one 4 oz	bH0868,				21	X	X	X		X						2	0.2	
344				PH08@10,				22	$\rfloor \backslash$		1		\					Ī	3	3.2	
356)	\	PH09@0-	0.5'			23	$\exists J$	1	(2	5.(0	
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414	Ţ	Ţ	1	PH09@8.5				25	1	Z	I		7							3.1	
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(field sam	(1)	validity and	authenticity	of this sample. I am awar	e that tampering with or	intentionally mislabeling t	he sam	ple location	n, date o	time o	of collec									tion.	
	ed by: (Signature	2)		Date	Time	Received by: (Signatu	re)	10. 1		Date				Time	_		П	Т	San	nples re	quiring thermal
En	ni 4	مصدح		7-1-25	14:00	Cuth		ma	<u> </u>	$\coprod I$	<u> </u>	25			600				preser	ation m	ust be received on
linquish	ed by: (Signatur	e)	•	Date	Time	Received by: (Signatu	re)			Date				Time						-	ey are sampled or ed on ice at a temp
linquish	ed by: (Signatur	e)		Date	Time	Received by: (Signatu	re)			Date				Time					abo		less than 6°C on Juent days.
linquish	ed by: (Signatur	e)	-	Date	Time	Received by: (Signatu	re)			Date				Time	_			F		Lab (Use Only red on ice:
elinguish	ed by: (Signatur	e)		Date	Time	Received by: (Signatu	re)			Date	-			Time			\neg				D/ N

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Hilcorp Energy Co	Date Received:	07/01/25 14:	:00		Work Order ID:	E507002
Phone:	-	Date Logged In:	07/01/25 14:	:06		Logged In By:	Caitlin Mars
Email:		Due Date:	07/09/25 17	:00 (5 day TAT	")		
GI I C	G + 1 (G0G)						
	Custody (COC)						
	e sample ID match the COC?	-4-1-4b COC	Yes				
	e number of samples per sampling site location ma	atch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier:	Eric Carroll		
	COC complete, i.e., signatures, dates/times, reque	ested analyses?	Yes				
5. Were al	l samples received within holding time? Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucss		Yes			<u>Comment</u>	s/Resolution
Sample T	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	ample cooler received?		Yes				
•	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
12. Was the	e sample received on ice? Note: Thermal preservation is not required, if samples a 15 minutes of sampling	re received within	Yes				
13. See C	OC for individual sample temps. Samples outside	of 0°C-6°C will be	recorded in	comments.			
Sample C	<u>ontainer</u>						
14. Are ac	queous VOC samples present?		No				
15. Are V	OC 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 no	on-VOC samples collected in the correct container	s?	Yes				
19. Is the a	ppropriate volume/weight or number of sample conta	iners collected?	Yes				
Field Lab	<u>el</u>						
	field sample labels filled out with the minimum in	formation:					
	imple ID?		Yes				
	ate/Time Collected?		Yes				
	ollectors name?		Yes				
	reservation he COC or field labels indicate the samples were p	arasarsiad?	No				
	•	preserved:	NA				
	mple(s) correctly preserved? filtration required and/or requested for dissolved n	netals?	No				
	•	ictais.	110				
	se Sample Matrix	9	3.7				
	the sample have more than one phase, i.e., multiph		No				
	does the COC specify which phase(s) is to be ana	iyzed?	NA				
-	act Laboratory						
	imples required to get sent to a subcontract laborat	-	No				
29. Was a	subcontract laboratory specified by the client and	if so who?	NA S	Subcontract L	ab: NA		
Client In	struction						

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

— (

Date

envirotech Inc.

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 503656

QUESTIONS

ı	Operator:	OGRID:
ı	HILCORP ENERGY COMPANY	372171
ı	1111 Travis Street	Action Number:
ı	Houston, TX 77002	503656
ı		Action Type:
ı		[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2516149472
Incident Name	NAPP2516149472 SAN JUAN 28-7 UNIT 230M @ 30-039-26091
Incident Type	Oil Release
Incident Status	Remediation Plan Received
Incident Well	[30-039-26091] SAN JUAN 28 7 UNIT #230M

ocation of Release Source					
Please answer all the questions in this group.					
Site Name	San Juan 28-7 Unit 230M				
Date Release Discovered	06/10/2025				
Surface Owner	Federal				

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications fo	or the volumes provided should be attached to the follow-up C-141 submission.
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Production Tank Produced Water Released: 32 BBL Recovered: 0 BBL Lost: 32 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Cause: Corrosion Production Tank Condensate Released: 72 BBL Recovered: 0 BBL Lost: 72 BBL.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

Action 503656

QUESTI	ONS (continued)
Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID:
QUESTIONS	[6-141] Site Char./Nemediation Flatt C-141 (C-141-v-Flatt)
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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	e. gas only) are to be submitted on the C-129 form.
Initial Response	
The responsible party must undertake the following actions immediately unless they could create a s	afety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 09/08/2025

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

QUESTIONS, Page 3

Action 503656

QUESTIONS (continued)

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	503656
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (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 ar	nd the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	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 ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
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 ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan		
Please answer all the questions ti	nat apply or are indicated. This information must be provided t	to the appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation	plan approval with this submission	Yes
Attach a comprehensive report de	monstrating the lateral and vertical extents of soil contamination	on associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vertical	al extents of contamination been fully delineated	Yes
Was this release entirely of	ontained within a lined containment area	No
Soil Contamination Sampling	: (Provide the highest observable value for each, in n	nilligrams per kilograms.)
Chloride	(EPA 300.0 or SM4500 CI B)	379
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	4462
GRO+DRO	(EPA SW-846 Method 8015M)	3475
BTEX	(EPA SW-846 Method 8021B or 8260B)	34.8
Benzene	(EPA SW-846 Method 8021B or 8260B)	2.2
	NMAC unless the site characterization report includes complete lelines for beginning and completing the remediation.	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC
On what estimated date wi	Il the remediation commence	06/30/2025
On what date will (or did) the	ne final sampling or liner inspection occur	06/30/2025
On what date will (or was)	the remediation complete(d)	06/30/2025
What is the estimated surfa	ace area (in square feet) that will be reclaimed	0
What is the estimated volu	me (in cubic yards) that will be reclaimed	0
What is the estimated surfa	ace area (in square feet) that will be remediated	880
What is the estimated volu	me (in cubic yards) that will be remediated	130
These estimated dates and measu	rements are recognized to be the best guess or calculation at t	the time of submission and may (be) change(d) over time as more remediation efforts are completed.
The OCD recognizes that propose	d 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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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

QUESTIONS, Page 4

Action 503656

QUESTIONS	(continued)
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Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	503656
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the	appropriate district office no later than 90 days after the release discovery date.
This remediation will (or is expected to) utilize the following processes to remediate	/ reduce contaminants:
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fSC0000000048 ENVIROTECH
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

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

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

Name: Stuart Hyde Title: Senior Geologist I hereby agree and sign off to the above statement Email: shyde@ensolum.com Date: 09/08/2025

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

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

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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 503656

QUESTIONS (continued)

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	503656
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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

QUESTIONS, Page 6

Action 503656

QUESTIONS (continued)

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	503656
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	488855
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/30/2025
What was the (estimated) number of samples that were to be gathered	3
What was the sampling surface area in square feet	10

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all re	emediation steps have been completed.
Requesting a remediation closure approval with this submission	No

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

CONDITIONS

Action 503656

CONDITIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	503656
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	The Remediation Plan is Conditionally Approved. Floor confirmation samples should be delineated/excavated to meet closure criteria standards from Table 1 of the OCD Spill Rule for site assessment/characterization/proven depth to water determination. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Sidewall/Edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. All sidewall samples should be taken from the sidewall of the excavation. Please make sure that the edge of the release extent is accurately defined. All off-pad areas must meet reclamation standards set forth in the OCD Spill Rule. The work will need to occur in 90 days after the report has been reviewed.	10/6/2025