



September 9, 2026

New Mexico Oil Conservation Division

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

Re: Remediation Report and Closure Request

Rattlesnake #104S
Hilcorp Energy Company
NMOCD Incident No: nAPP2619530492

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Hilcorp Energy Company (Hilcorp), presents this *Remediation Report and Closure Request* for a release at the Rattlesnake #104S natural gas production well (Site). The Site is located on private land in Unit O, Section 32, Township 32 North, Range 8 West, San Juan County, New Mexico (Figure 1). This report describes the excavation and confirmation soil sampling activities performed at the Site to remediate impacted soil originating from the release.

SITE BACKGROUND

On July 9, 2026, Hilcorp personnel discovered a release of 9.03 bbls of produced water at the Site. Specifically, the pipeline team was notified of signs of water near the valve can south of the Rattlesnake #104S well pad within a Hilcorp pipeline right-of-way. A pipeline technician found produced water in and around the valve can and immediately shut in the line to stop any further leaks. A water truck was dispatched to recover any standing fluids from in and around the valve can. A total of 8.96 bbls of fluid was recovered from the release area. Hilcorp submitted the *Notification of Release* to the New Mexico Oil Conservation Division (NMOCD) on July 14, 2026. The NMOCD has assigned the Site Incident Number nAPP2619530492.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

As part of the Site investigation, nearby sensitive receptors were assessed in accordance with Title 19, Chapter 15, Part 29, Sections 11 and 12 (19.15.29.11 and 12) of the New Mexico Administrative Code (NMAC). This information is further discussed below. Potential nearby receptors were assessed through desktop reviews of United States Geological Survey (USGS) topographic maps, Federal Emergency Management Administration (FEMA) Geographic Information System (GIS) maps, New Mexico Office of the State Engineer (NMOSE) database, aerial photographs, and Site-specific observations.

The nearest documented depth to water is a cathodic protection well located approximately 3,010 feet southeast of the Site at the San Juan 32-8 Unit #242A well pad (Appendix A) with a recorded depth to water of 120 feet below ground surface (bgs). The nearest significant watercourse to the

Site is a dry wash located approximately 482 feet southeast of the release origin. The Site is greater than 200 feet from any lakebed, sinkhole, or playa lake, and is not within 300 feet from any wetland (Figure 1). No wellhead protection areas, springs, or domestic/stock wells are located within a ½-mile from the Site (Figure 1). The Site is not within a 100-year floodplain, overlying a subsurface mine, or located within an area underlain by unstable geology. Schools, hospitals, institutions, churches, and/or other occupied permanent residence or structures are not located within 300 feet of the Site. A Site receptor map is shown on Figure 1.

The release impacted soil in off-pad, undisturbed locations and as such, the following standards were applied to the top 4 feet of the off-pad area that was impacted by the release per Title 19, Chapter 15, Part 29, Subpart 13.D(1) of the New Mexico Administrative Code (NMAC).

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

DELINEATION SOIL SAMPLING ACTIVITIES

Upon discovery of the release, Hilcorp retained Ensolum to conduct assessment soil sampling activities on July 15, 2026 while a crew excavated soil to fix the origin of the release underneath the valve can. Four discrete surface samples (DS01 through DS04) were collected in the cardinal directions around the release and excavation area to establish a horizontal delineation. One additional discrete sample SS01, was taken in the middle of the release footprint to assess the presence or absence of impacts present in the soil. Two side wall samples (SW01 and SW02) and one floor sample (FS01) were also collected from the excavation that was advanced in order to replace the broken pipeline valve. Samples SW01, SW02, and FS01 were collected as 5-point composite samples taken at a frequency of no more than 200 square feet per sample. These samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing

During initial sampling activities, Ensolum personnel logged soil lithology and field screened for the presence of volatile organic compounds (VOCs) using a calibrated photoionization detector (PID) and chloride using Hach® QuanTab® chloride test strips. Soil descriptions and field screening results were noted in the field book. Photographs taken during delineation activities are provided in Appendix B. PID field screening results are also included in Table 1. Soil samples were collected directly into laboratory-provided jars and immediately placed on ice. Samples were submitted to Envirotech analytical laboratory for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B, TPH following Method 8015M/D, and chloride following EPA Method 300.0.

In general, Site lithology consisted of sand and silt with clay from the ground surface to depths up to 6 feet bgs. Based on the laboratory analytical results, chloride concentrations exceeding the NMOCDC Closure Criteria were encountered in the single soil sample (SS01) collected from the middle of the release footprint. BTEX, TPH, and/or chloride were either not detected above laboratory reporting limits or were not detected above the applicable Closure Criteria in any other analyzed samples. A summary of analytical results is summarized on Table 1 and Figure 2, with complete laboratory reports attached in Appendix C.

EXCAVATION SOIL SAMPLING ACTIVITIES

Based on the delineation sampling activities described above, Hilcorp excavated the area underneath and around sample location SS01 to the same six-foot depth as floor sample FS01. After excavation was completed Ensolum personnel returned to the Site on August 6, 2026 to conduct additional sampling activities. A notification of sampling activities was provided to the NMOCD prior to the confirmation sampling work and is attached as Appendix D.

Once field screening indicated impacted soil had been removed, five-point composite soil samples were collected from the floor (FS02 and FS03) and sidewalls (SW03 through SW05) of the excavation at a frequency not exceeding one sample per 200 square feet. All floor samples were collected at a depth of 6 feet bgs and all sidewall samples were collected at depths from the ground surface to 6 feet bgs. The 5-point composite samples were collected by the previously described method. The soil samples were placed into laboratory provided containers and transported under proper chain of custody procedures to Envirotech for analysis of TPH, BTEX, and chloride using the methods described above.

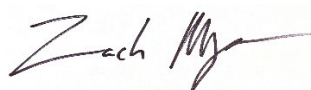
Analytical results from the excavation indicated concentrations of TPH, BTEX, and chloride were compliant with NMOCD Table I Closure Criteria and the reclamation requirement in all confirmation samples. Soil sample results are summarized in Table 1, with complete laboratory analytical reports attached as Appendix C. Photographs taken by Ensolum during the confirmation sampling work are presented in Appendix B.

CLOSURE REQUEST

Laboratory analytical results for the excavation confirmation soil samples, collected from the final excavation extent, indicated all COC concentrations were compliant with the Site Closure Criteria and the reclamation requirement, and no further remediation is required. Excavation of impacted soil has mitigated impacts at this Site and these remedial actions have been protective of human health, the environment, and groundwater. As such, Hilcorp respectfully requests closure for Incident Number nAPP2619530492.

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

Sincerely,
Ensolum, LLC



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



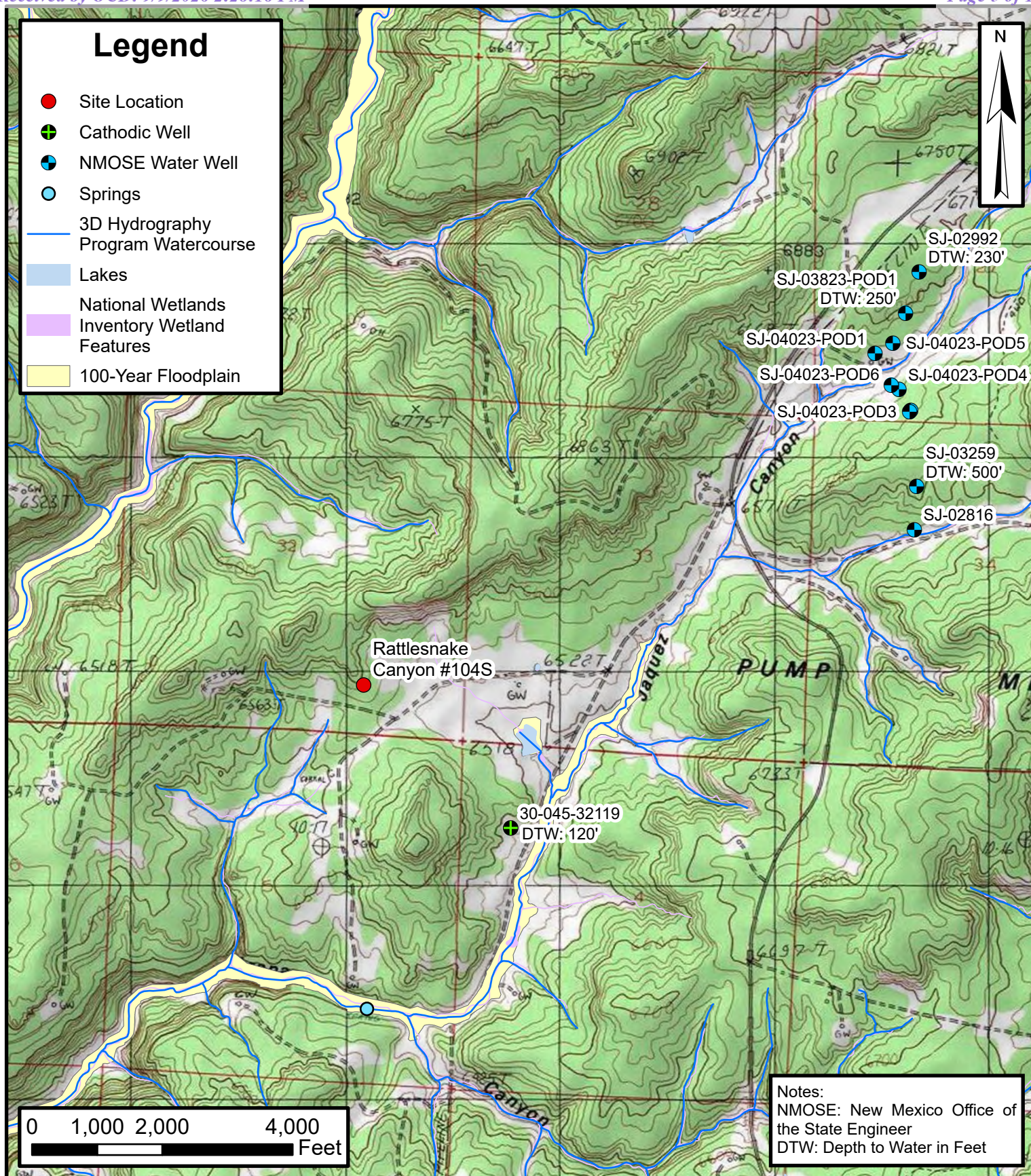
Stuart Hyde
Senior Managing Geologist
(970) 903-1607
shyde@ensolum.com

Attachments:

Figure 1:	Site Location Map
Figure 2:	Soil Sample Locations
Table 1:	Soil Sample Analytical Results
Appendix A:	Depth-to-Water Determination
Appendix B:	Photographic Log
Appendix C:	Laboratory Analytical Reports
Appendix D:	Agency Correspondence



FIGURES



Site Location Map

Rattlesnake Canyon #104S
 Hilcorp Energy Company

36.93486, -107.69482
 San Juan County, New Mexico

FIGURE
1

Legend

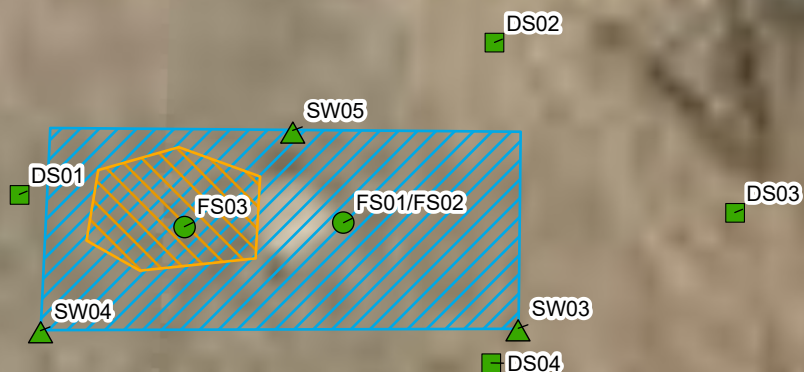
▲ Excavation Sidewall Sample in Compliance with NMOCD Closure Criteria

● Excavation Floor Sample in Compliance with NMOCD Closure Criteria

■ Discrete Delineation Sample in Compliance with NMOCD Closure Criteria

▨ Release Extent

▨ Excavation Extent



0 5 10 20
Feet

Notes:

Bold: Indicates Results Exceed NMOCD Closure Criteria

NMOCD: New Mexico Oil Conservation Division



Soil Sample Locations

Rattlesnake Canyon #104S
Hilcorp Energy Company
36.93486, -107.69482
San Juan County, New Mexico

FIGURE
2



TABLES

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Rattlesnake Canyon #104S
 Hilcorp Energy Company
 San Juan County, New Mexico

Sample Identification	Date	Depth (feet bgs)	Chloride Field Test (ppm)	PID (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCOD Closure Criteria for Soils Impacted by a Release			NE	NE	10	NE	NE	NE	50	NE	NE	NE	100	600
Surface Sample within Release Extent														
SS01@0-0.5'	7/15/2026	0 - 0.5	2,962.4	24.3	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	2,160
Discrete Delineation Samples														
DS01	7/15/2026	0 - 0.5	<156.6	0.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
DS02	7/15/2026	0 - 0.5	<156.6	1.4	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
DS03	7/15/2026	0 - 0.5	<156.6	0.9	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
DS04	7/15/2026	0 - 0.5	<156.6	1.1	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
Excavation Confirmation Soil Samples														
FS01@6'	7/15/2026	6	<156.6	4.3	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	134
FS02	8/6/2026	6	190.4	0.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	177
FS03	8/6/2026	6	224	0.1	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	288
SW01@0-6'	7/15/2026	0 - 6	<156.6	1.5	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	136
SW02@0-6'	7/15/2026	0 - 6	<156.6	--	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	104
SW03	8/6/2026	0 - 6	190.4	0.1	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<100
SW04	8/6/2026	0 - 6	156.8	0.3	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	223
SW05	8/6/2026	0 - 6	156.8	0.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<100

Notes:

bgs: Below ground surface

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

mg/kg: Milligrams per kilogram

NE: Not Established

NMOCOD: New Mexico Oil Conservation Division

PID: Photoionization detector

ppm: Parts per million

': Feet

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbon

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

Concentrations in **bold** exceed the New Mexico Oil Conservation Division Table I Closure Criteria for Soils Impacted by a Release~~Grey and strikethrough text~~ represents soil sample areas that have been excavated



APPENDIX A

Depth-to-Water Determination

OCD CATHODIC PROTECTION DEEPWELL GROUND BED REPORT DATA SHEET: NORTHWESTERN NEW MEXICO

OPERATOR: ConocoPhillips CO.
FARMINGTON, NM 87401
PHONE: 599-3400

SUBMIT 2 COPIES TO O.C.D. AZTEC OFFICE

LOCATION INFORMATION

API Number

3004532119

WELL NAME OR PIPELINE SERVED:

32-8 242A

LEGAL LOCATION:

D-4-31-8

INSTALLATION DATE:

6/3/2004

PPCO RECTIFIER NO.:

FM-448

ADDITIONAL WELLS:

32-8 20A

TYPE OF LEASE:

FEDERAL

LEASE NUMBER:

NMSF079029

GROUND BED INFORMATION

TOTAL DEPTH:

340

CASING DIAMETER:

8-IN

TYPE OF CASING:

PVC

CASING DEPTH:

20'

CASING CEMENTED: ☐

TOP ANODE DEPTH:

230

BOTTOM ANODE DEPTH:

330

ANODE DEPTHS:

230,240,250,260,270,280,290,300,310,320,330

AMOUNT OF COKE:

2400#

WATER INFORMATION

WATER DEPTH (1):

140

WATER DEPTH (2):

GAS DEPTH:

CEMENT PLUGS:

OTHER INFORMATION

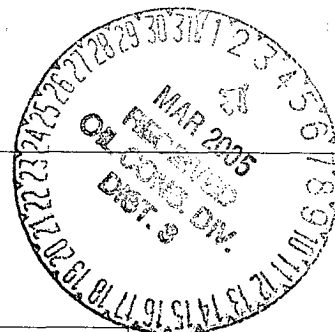
TOP OF VENT PERFORATIONS:

210

VENT PIPE DEPTH:

340

REMARKS: START UP 7-15-04



IF ANY OF THE ABOVE DATA IS UNAVAILABLE, PLEASE INDICATE SO. COPIES OF ALL LOGS, INCLUDING DRILLERS LOGS, WATER ANALYSIS, AND WELL BORE SCHEMATICS SHOULD BE SUBMITTED WHEN AVAILABLE. UNPLUGGED UNABANDONED WELLS ARE TO BE INCLUDED.

*- LAND TYPE MAY BE SHOWN: F-FEDERAL; I-INDIAN; S-STATE; P-FEE

IF FEDERAL OR INDIAN, ADD LEASE NUMBER.

Tuesday, January

Page 42 of 927



APPENDIX B

Photographic Log



Photographic Log
Hilcorp Energy Company
Rattlesnake Canyon #104S
San Juan County, New Mexico



Photograph: 1 Date: 07/15/2026
Description: Excavation activities to repair pipeline.

View: East



Photograph: 2 Date: 07/15/2026
Description: Release footprint in area of mud cracking.

View: East



Photograph: 3 Date: 07/15/2026
Description: Excavation extent, exposed and repaired pipeline.

View: Southwest



Photograph: 4 Date: 07/15/2026
Description: Excavation extent.

View: Southeast



Photographic Log
Hilcorp Energy Company
Rattlesnake Canyon #104S
San Juan County, New Mexico



Photograph: 5 Date: 08/06/2026
Description: Underground pipeline access cellar removal.

View: Southwest



Photograph: 6 Date: 08/06/2026
Description: Excavation and exposed pipelines.

View: Southwest



Photograph: 7 Date: 08/06/2026
Description: Final excavation extent.

View: Southeast



Photograph: 8 Date: 08/06/2026
Description: Removed impacted soil.

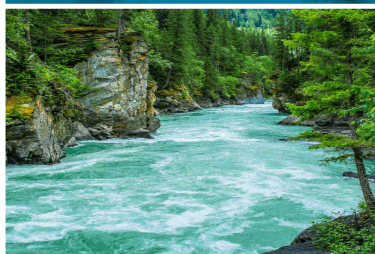
View: South



APPENDIX C

Laboratory Analytical Reports

Report to:
Kate Kaufman



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Hilcorp Energy Co

Project Name: Rattlesnake Canyon Spill

Work Order: E607154

Job Number: 17051-0002

Received: 7/15/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/22/26

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 7/22/26

Kate Kaufman
PO Box 61529
Houston, TX 77208



Project Name: Rattlesnake Canyon Spill
Workorder: E607154
Date Received: 7/15/2026 12:48:00PM

Kate Kaufman,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/15/2026 12:48:00PM, under the Project Name: Rattlesnake Canyon Spill.

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

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

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

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

Respectfully,

Walter Hinchman
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
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzaless@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SS01 @ 0-0.5'	5
DS01	6
SW01 @ 0-6'	7
SW02 @ 0-6'	8
FS01 @ 6'	9
DS02	10
DS03	11
DS04	12
QC Summary Data	13
QC - Volatile Organics by EPA 8021B	13
QC - Nonhalogenated Organics by EPA 8015D - GRO	14
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	15
QC - Anions by EPA 300.0/9056A	16
Definitions and Notes	17
Chain of Custody etc.	18

Sample Summary

Hilcorp Energy Co	Project Name:	Rattlesnake Canyon Spill	Reported:
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Kate Kaufman	07/22/26 08:45

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01 @ 0-0.5'	E607154-01A	Soil	07/15/26	07/15/26	Glass Jar, 2 oz.
DS01	E607154-02A	Soil	07/15/26	07/15/26	Glass Jar, 2 oz.
SW01 @ 0-6'	E607154-03A	Soil	07/15/26	07/15/26	Glass Jar, 2 oz.
SW02 @ 0-6'	E607154-04A	Soil	07/15/26	07/15/26	Glass Jar, 2 oz.
FS01 @ 6'	E607154-05A	Soil	07/15/26	07/15/26	Glass Jar, 2 oz.
DS02	E607154-06A	Soil	07/15/26	07/15/26	Glass Jar, 2 oz.
DS03	E607154-07A	Soil	07/15/26	07/15/26	Glass Jar, 2 oz.
DS04	E607154-08A	Soil	07/15/26	07/15/26	Glass Jar, 2 oz.



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Rattlesnake Canyon Spill
Project Number: 17051-0002
Project Manager: Kate Kaufman

Reported:
7/22/2026 8:45:10AM

SS01 @ 0-0.5'

E607154-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2629085	
Benzene	ND	0.0250	1	07/16/26	07/16/26	
Ethylbenzene	ND	0.0250	1	07/16/26	07/16/26	
Toluene	ND	0.0250	1	07/16/26	07/16/26	
o-Xylene	ND	0.0250	1	07/16/26	07/16/26	
p,m-Xylene	ND	0.0500	1	07/16/26	07/16/26	
Total Xylenes	ND	0.0250	1	07/16/26	07/16/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	07/16/26	07/16/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2629085	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/26	07/16/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		117 %	70-130	07/16/26	07/16/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2629098	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/26	07/17/26	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/26	07/17/26	
<i>Surrogate: n-Nonane</i>		113 %	69-135	07/17/26	07/17/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2629084	
Chloride	2160	40.0	2	07/16/26	07/16/26	



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Rattlesnake Canyon Spill
Project Number: 17051-0002
Project Manager: Kate Kaufman

Reported:
7/22/2026 8:45:10AM

DS01

E607154-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2629085
Benzene	ND	0.0250	1	07/16/26	07/16/26	
Ethylbenzene	ND	0.0250	1	07/16/26	07/16/26	
Toluene	ND	0.0250	1	07/16/26	07/16/26	
o-Xylene	ND	0.0250	1	07/16/26	07/16/26	
p,m-Xylene	ND	0.0500	1	07/16/26	07/16/26	
Total Xylenes	ND	0.0250	1	07/16/26	07/16/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	07/16/26	07/16/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2629085
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/26	07/16/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		118 %	70-130	07/16/26	07/16/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2629098
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/26	07/17/26	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/26	07/17/26	
<i>Surrogate: n-Nonane</i>						
		112 %	69-135	07/17/26	07/17/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2629084
Chloride	ND	20.0	1	07/16/26	07/16/26	



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Rattlesnake Canyon Spill
Project Number: 17051-0002
Project Manager: Kate Kaufman

Reported:
7/22/2026 8:45:10AM

SW01 @ 0-6'

E607154-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2629085	
Benzene	ND	0.0250	1	07/16/26	07/16/26	
Ethylbenzene	ND	0.0250	1	07/16/26	07/16/26	
Toluene	ND	0.0250	1	07/16/26	07/16/26	
o-Xylene	ND	0.0250	1	07/16/26	07/16/26	
p,m-Xylene	ND	0.0500	1	07/16/26	07/16/26	
Total Xylenes	ND	0.0250	1	07/16/26	07/16/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	07/16/26	07/16/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2629085	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/26	07/16/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		118 %	70-130	07/16/26	07/16/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2629098	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/26	07/17/26	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/26	07/17/26	
<i>Surrogate: n-Nonane</i>						
		114 %	69-135	07/17/26	07/17/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2629084	
Chloride	136	40.0	2	07/16/26	07/17/26	



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Rattlesnake Canyon Spill
Project Number: 17051-0002
Project Manager: Kate Kaufman

Reported:
7/22/2026 8:45:10AM

SW02 @ 0-6'

E607154-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2629085	
Benzene	ND	0.0250	1	07/16/26	07/16/26	
Ethylbenzene	ND	0.0250	1	07/16/26	07/16/26	
Toluene	ND	0.0250	1	07/16/26	07/16/26	
o-Xylene	ND	0.0250	1	07/16/26	07/16/26	
p,m-Xylene	ND	0.0500	1	07/16/26	07/16/26	
Total Xylenes	ND	0.0250	1	07/16/26	07/16/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.7 %	70-130		07/16/26	07/16/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2629085	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/26	07/16/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	117 %	70-130		07/16/26	07/16/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2629098	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/26	07/17/26	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/26	07/17/26	
<i>Surrogate: n-Nonane</i>						
	113 %	69-135		07/17/26	07/17/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2629084	
Chloride	104	100	5	07/16/26	07/17/26	



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Rattlesnake Canyon Spill
Project Number: 17051-0002
Project Manager: Kate Kaufman

Reported:
7/22/2026 8:45:10AM

FS01 @ 6'

E607154-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2629085	
Benzene	ND	0.0250	1	07/16/26	07/16/26	
Ethylbenzene	ND	0.0250	1	07/16/26	07/16/26	
Toluene	ND	0.0250	1	07/16/26	07/16/26	
o-Xylene	ND	0.0250	1	07/16/26	07/16/26	
p,m-Xylene	ND	0.0500	1	07/16/26	07/16/26	
Total Xylenes	ND	0.0250	1	07/16/26	07/16/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	07/16/26	07/16/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2629085	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/26	07/16/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		118 %	70-130	07/16/26	07/16/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2629098	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/26	07/17/26	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/26	07/17/26	
<i>Surrogate: n-Nonane</i>						
		112 %	69-135	07/17/26	07/17/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2629084	
Chloride	134	20.0	1	07/16/26	07/17/26	



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Rattlesnake Canyon Spill
Project Number: 17051-0002
Project Manager: Kate Kaufman

Reported:
7/22/2026 8:45:10AM

DS02

E607154-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2629085	
Benzene	ND	0.0250	1	07/16/26	07/16/26	
Ethylbenzene	ND	0.0250	1	07/16/26	07/16/26	
Toluene	ND	0.0250	1	07/16/26	07/16/26	
o-Xylene	ND	0.0250	1	07/16/26	07/16/26	
p,m-Xylene	ND	0.0500	1	07/16/26	07/16/26	
Total Xylenes	ND	0.0250	1	07/16/26	07/16/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	07/16/26	07/16/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2629085	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/26	07/16/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		118 %	70-130	07/16/26	07/16/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2629098	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/26	07/17/26	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/26	07/17/26	
<i>Surrogate: n-Nonane</i>						
		114 %	69-135	07/17/26	07/17/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2629084	
Chloride	ND	20.0	1	07/16/26	07/17/26	



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Rattlesnake Canyon Spill
Project Number: 17051-0002
Project Manager: Kate Kaufman

Reported:
7/22/2026 8:45:10AM

DS03

E607154-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2629085	
Benzene	ND	0.0250	1	07/16/26	07/16/26	
Ethylbenzene	ND	0.0250	1	07/16/26	07/16/26	
Toluene	ND	0.0250	1	07/16/26	07/16/26	
o-Xylene	ND	0.0250	1	07/16/26	07/16/26	
p,m-Xylene	ND	0.0500	1	07/16/26	07/16/26	
Total Xylenes	ND	0.0250	1	07/16/26	07/16/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	07/16/26	07/16/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2629085	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/26	07/16/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		119 %	70-130	07/16/26	07/16/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2629098	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/26	07/17/26	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/26	07/17/26	
<i>Surrogate: n-Nonane</i>						
		114 %	69-135	07/17/26	07/17/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2629084	
Chloride	ND	20.0	1	07/16/26	07/17/26	



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Rattlesnake Canyon Spill
Project Number: 17051-0002
Project Manager: Kate Kaufman

Reported:
7/22/2026 8:45:10AM

DS04

E607154-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2629085	
Benzene	ND	0.0250	1	07/16/26	07/16/26	
Ethylbenzene	ND	0.0250	1	07/16/26	07/16/26	
Toluene	ND	0.0250	1	07/16/26	07/16/26	
o-Xylene	ND	0.0250	1	07/16/26	07/16/26	
p,m-Xylene	ND	0.0500	1	07/16/26	07/16/26	
Total Xylenes	ND	0.0250	1	07/16/26	07/16/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	07/16/26	07/16/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2629085	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/26	07/16/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		118 %	70-130	07/16/26	07/16/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2629098	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/26	07/17/26	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/26	07/17/26	
<i>Surrogate: n-Nonane</i>						
		113 %	69-135	07/17/26	07/17/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2629084	
Chloride	ND	40.0	2	07/16/26	07/17/26	



QC Summary Data

Hilcorp Energy Co	Project Name:	Rattlesnake Canyon Spill	Reported:
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Kate Kaufman	7/22/2026 8:45:10AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2629085-BLK1)

Prepared: 07/16/26 Analyzed: 07/16/26

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.20		8.00		103	70-130			

LCS (2629085-BS1)

Prepared: 07/16/26 Analyzed: 07/16/26

Benzene	5.08	0.0250	5.00		102	70-130			
Ethylbenzene	5.08	0.0250	5.00		102	70-130			
Toluene	5.14	0.0250	5.00		103	70-130			
o-Xylene	5.07	0.0250	5.00		101	70-130			
p,m-Xylene	9.95	0.0500	10.0		99.5	70-130			
Total Xylenes	15.0	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.09		8.00		101	70-130			

Matrix Spike (2629085-MS1)

Source: E607154-04

Prepared: 07/16/26 Analyzed: 07/16/26

Benzene	4.72	0.0250	5.00	ND	94.4	70-130			
Ethylbenzene	4.71	0.0250	5.00	ND	94.2	70-130			
Toluene	4.77	0.0250	5.00	ND	95.4	70-130			
o-Xylene	4.72	0.0250	5.00	ND	94.4	70-130			
p,m-Xylene	9.21	0.0500	10.0	ND	92.1	70-130			
Total Xylenes	13.9	0.0250	15.0	ND	92.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.06		8.00		101	70-130			

Matrix Spike Dup (2629085-MSD1)

Source: E607154-04

Prepared: 07/16/26 Analyzed: 07/16/26

Benzene	5.13	0.0250	5.00	ND	103	70-130	8.41	20	
Ethylbenzene	5.11	0.0250	5.00	ND	102	70-130	8.18	20	
Toluene	5.17	0.0250	5.00	ND	103	70-130	8.12	20	
o-Xylene	5.10	0.0250	5.00	ND	102	70-130	7.76	20	
p,m-Xylene	9.98	0.0500	10.0	ND	99.8	70-130	8.12	20	
Total Xylenes	15.1	0.0250	15.0	ND	101	70-130	8.00	20	
Surrogate: 4-Bromochlorobenzene-PID	8.05		8.00		101	70-130			



QC Summary Data

Hilcorp Energy Co	Project Name:	Rattlesnake Canyon Spill	Reported:
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Kate Kaufman	7/22/2026 8:45:10AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2629085-BLK1) Prepared: 07/16/26 Analyzed: 07/16/26

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.52		8.00		119	70-130			

LCS (2629085-BS2) Prepared: 07/16/26 Analyzed: 07/16/26

Gasoline Range Organics (C6-C10)	44.5	20.0	50.0		89.0	62-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.49		8.00		119	70-130			

Matrix Spike (2629085-MS2) Source: E607154-04 Prepared: 07/16/26 Analyzed: 07/16/26

Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	60-137			
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.55		8.00		119	70-130			

Matrix Spike Dup (2629085-MSD2) Source: E607154-04 Prepared: 07/16/26 Analyzed: 07/16/26

Gasoline Range Organics (C6-C10)	55.7	20.0	50.0	ND	111	60-137	2.73	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.55		8.00		119	70-130			



QC Summary Data

Hilcorp Energy Co	Project Name:	Rattlesnake Canyon Spill	Reported:
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Kate Kaufman	7/22/2026 8:45:10AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2629098-BLK1)

Prepared: 07/17/26 Analyzed: 07/17/26

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	54.7		50.0		109	69-135			

LCS (2629098-BS1)

Prepared: 07/17/26 Analyzed: 07/17/26

Diesel Range Organics (C10-C28)	239	25.0	250		95.6	70-131			
Surrogate: <i>n</i> -Nonane	53.8		50.0		108	69-135			

Matrix Spike (2629098-MS1)

Source: E607154-02

Prepared: 07/17/26 Analyzed: 07/17/26

Diesel Range Organics (C10-C28)	254	25.0	250	ND	102	62-151			
Surrogate: <i>n</i> -Nonane	54.2		50.0		108	69-135			

Matrix Spike Dup (2629098-MSD1)

Source: E607154-02

Prepared: 07/17/26 Analyzed: 07/17/26

Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	62-151	0.614	20	
Surrogate: <i>n</i> -Nonane	54.9		50.0		110	69-135			



QC Summary Data

Hilcorp Energy Co	Project Name:	Rattlesnake Canyon Spill	Reported:
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Kate Kaufman	7/22/2026 8:45:10AM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2629084-BLK1)					Prepared: 07/16/26 Analyzed: 07/16/26				
Chloride	ND	20.0							
LCS (2629084-BS1)					Prepared: 07/16/26 Analyzed: 07/16/26				
Chloride	264	20.0	250		106	90-110			
Matrix Spike (2629084-MS1)					Source: E607153-03		Prepared: 07/16/26 Analyzed: 07/16/26		
Chloride	352	20.0	250	97.5	102	80-120			
Matrix Spike Dup (2629084-MSD1)					Source: E607153-03		Prepared: 07/16/26 Analyzed: 07/16/26		
Chloride	361	20.0	250	97.5	105	80-120	2.44	20	

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



Definitions and Notes

Hilcorp Energy Co	Project Name:	Rattlesnake Canyon Spill	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Kate Kaufman	07/22/26 08:45

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: Hilcorp Energy Company				Company: SAME AS		Lab WO# E607154		Job Number 17051-0002		1D	2D	3D	Std	NM	CO	UT	TX		
Project Name: Rattlesnake Canyon Spill				Address:										☒					
Project Manager: Kate Kaufman				City, State, Zip: CLIENT															
Address:				Phone:															
City, State, Zip:				Email:															
Phone:				Miscellaneous:															
Email: kkaufman@hilcorp.com																			
Sample Information					Analysis and Method												EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
0905	7/15/26	soil	one, 202	SS01 @ 0-0.5'		1	X	X	X	X									
0940				DS01		2	X	X	X	X									
1031				SW01 @ 0-6'		3	X	X	X	X									
1034				SW02 @ 0-6'		4	X	X	X	X									
1037				FS01 @ 6'		5	X	X	X	X									
1046				DS02		6	X	X	X	X									
1047				DS03		7	X	X	X	X									
1048				DS04		8	X	X	X	X									
Additional Instructions: cc: shyde@ensolum.com, wwreichert@ensolum.com, zmyers@ensolum.com, hpeck@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Harper Deck																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: ☒ Y ☐ N							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Envirotech Analytical Laboratory

Printed: 7/16/2026 7:40:12AM

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:	07/15/26 12:48	Work Order ID:	E607154
Phone:	505-599-3400	Date Logged In:	07/16/26 06:54	Logged In By:	Noe Soto
Email:	kkaufman@hilcorp.com	Due Date:	07/22/26 17:00 (5 day TAT)		

Chain of Custody (COC)

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

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

Carrier: Harper PeckComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ivan Ramos



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Hilcorp Energy Co

Project Name: Rattlesnake Canyon 104S

Work Order: E608053

Job Number: 17051-0002

Received: 8/6/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/12/26

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 8/12/26

Ivan Ramos
PO Box 61529
Houston, TX 77208



Project Name: Rattlesnake Canyon 104S
Workorder: E608053
Date Received: 8/6/2026 12:35:00PM

Ivan Ramos,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/6/2026 12:35:00PM, under the Project Name: Rattlesnake Canyon 104S.

The analytical test results summarized in this report with the Project Name: Rattlesnake Canyon 104S apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS02	5
FS03	6
SW03	7
SW04	8
SW05	9
QC Summary Data	10
QC - Volatile Organics by EPA 8021B	10
QC - Nonhalogenated Organics by EPA 8015D - GRO	11
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	12
QC - Anions by EPA 300.0/9056A	13
Definitions and Notes	14
Chain of Custody etc.	15

Sample Summary

Hilcorp Energy Co	Project Name:	Rattlesnake Canyon 104S	Reported: 08/12/26 16:00
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Ivan Ramos	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS02	E608053-01A	Soil	08/06/26	08/06/26	Glass Jar, 2 oz.
FS03	E608053-02A	Soil	08/06/26	08/06/26	Glass Jar, 2 oz.
SW03	E608053-03A	Soil	08/06/26	08/06/26	Glass Jar, 2 oz.
SW04	E608053-04A	Soil	08/06/26	08/06/26	Glass Jar, 2 oz.
SW05	E608053-05A	Soil	08/06/26	08/06/26	Glass Jar, 2 oz.



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Rattlesnake Canyon 104S
Project Number: 17051-0002
Project Manager: Ivan Ramos

Reported:
8/12/2026 4:00:34PM

FS02

E608053-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2632159	
Benzene	ND	0.0250	1	08/07/26	08/08/26	
Ethylbenzene	ND	0.0250	1	08/07/26	08/08/26	
Toluene	ND	0.0250	1	08/07/26	08/08/26	
o-Xylene	ND	0.0250	1	08/07/26	08/08/26	
p,m-Xylene	ND	0.0500	1	08/07/26	08/08/26	
Total Xylenes	ND	0.0250	1	08/07/26	08/08/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.6 %	70-130	08/07/26	08/08/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2632159	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/26	08/08/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.0 %	70-130	08/07/26	08/08/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: CJB		Batch: 2632171	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/26	08/07/26	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/26	08/07/26	
<i>Surrogate: n-Nonane</i>		112 %	69-135	08/07/26	08/07/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2632158	
Chloride	177	40.0	2	08/07/26	08/07/26	



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Rattlesnake Canyon 104S
Project Number: 17051-0002
Project Manager: Ivan Ramos

Reported:
8/12/2026 4:00:34PM

FS03

E608053-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2632159	
Benzene	ND	0.0250	1	08/07/26	08/08/26	
Ethylbenzene	ND	0.0250	1	08/07/26	08/08/26	
Toluene	ND	0.0250	1	08/07/26	08/08/26	
o-Xylene	ND	0.0250	1	08/07/26	08/08/26	
p,m-Xylene	ND	0.0500	1	08/07/26	08/08/26	
Total Xylenes	ND	0.0250	1	08/07/26	08/08/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.1 %	70-130		08/07/26	08/08/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2632159	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/26	08/08/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		08/07/26	08/08/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: CJB		Batch: 2632171	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/26	08/07/26	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/26	08/07/26	
<i>Surrogate: n-Nonane</i>						
	111 %	69-135		08/07/26	08/07/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2632158	
Chloride	288	100	5	08/07/26	08/07/26	



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Rattlesnake Canyon 104S
Project Number: 17051-0002
Project Manager: Ivan Ramos

Reported:
8/12/2026 4:00:34PM

SW03

E608053-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2632159	
Benzene	ND	0.0250	1	08/07/26	08/08/26	
Ethylbenzene	ND	0.0250	1	08/07/26	08/08/26	
Toluene	ND	0.0250	1	08/07/26	08/08/26	
o-Xylene	ND	0.0250	1	08/07/26	08/08/26	
p,m-Xylene	ND	0.0500	1	08/07/26	08/08/26	
Total Xylenes	ND	0.0250	1	08/07/26	08/08/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.7 %	70-130		08/07/26	08/08/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2632159	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/26	08/08/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		08/07/26	08/08/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: CJB		Batch: 2632171	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/26	08/07/26	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/26	08/07/26	
<i>Surrogate: n-Nonane</i>						
	108 %	69-135		08/07/26	08/07/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2632158	
Chloride	ND	100	5	08/07/26	08/07/26	



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Rattlesnake Canyon 104S
Project Number: 17051-0002
Project Manager: Ivan Ramos

Reported:
8/12/2026 4:00:34PM

SW04

E608053-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2632159	
Benzene	ND	0.0250	1	08/07/26	08/08/26	
Ethylbenzene	ND	0.0250	1	08/07/26	08/08/26	
Toluene	ND	0.0250	1	08/07/26	08/08/26	
o-Xylene	ND	0.0250	1	08/07/26	08/08/26	
p,m-Xylene	ND	0.0500	1	08/07/26	08/08/26	
Total Xylenes	ND	0.0250	1	08/07/26	08/08/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.1 %	70-130		08/07/26	08/08/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2632159	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/26	08/08/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.3 %	70-130		08/07/26	08/08/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: CJB		Batch: 2632171	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/26	08/07/26	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/26	08/07/26	
<i>Surrogate: n-Nonane</i>						
	110 %	69-135		08/07/26	08/07/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2632158	
Chloride	223	40.0	2	08/07/26	08/07/26	



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Rattlesnake Canyon 104S
Project Number: 17051-0002
Project Manager: Ivan Ramos

Reported:
8/12/2026 4:00:34PM

SW05

E608053-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2632159	
Benzene	ND	0.0250	1	08/07/26	08/08/26	
Ethylbenzene	ND	0.0250	1	08/07/26	08/08/26	
Toluene	ND	0.0250	1	08/07/26	08/08/26	
o-Xylene	ND	0.0250	1	08/07/26	08/08/26	
p,m-Xylene	ND	0.0500	1	08/07/26	08/08/26	
Total Xylenes	ND	0.0250	1	08/07/26	08/08/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.2 %	70-130		08/07/26	08/08/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2632159	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/26	08/08/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.0 %	70-130		08/07/26	08/08/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: CJB		Batch: 2632171	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/26	08/07/26	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/26	08/07/26	
<i>Surrogate: n-Nonane</i>						
	64.4 %	69-135		08/07/26	08/07/26	S2
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2632158	
Chloride	ND	100	5	08/07/26	08/07/26	



QC Summary Data

Hilcorp Energy Co	Project Name:	Rattlesnake Canyon 104S	Reported:
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Ivan Ramos	8/12/2026 4:00:34PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2632159-BLK1)

Prepared: 08/07/26 Analyzed: 08/07/26

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.42		8.00		92.7	70-130			

LCS (2632159-BS1)

Prepared: 08/07/26 Analyzed: 08/07/26

Benzene	4.58	0.0250	5.00		91.6	70-130			
Ethylbenzene	4.34	0.0250	5.00		86.8	70-130			
Toluene	4.48	0.0250	5.00		89.6	70-130			
o-Xylene	4.35	0.0250	5.00		87.0	70-130			
p,m-Xylene	8.94	0.0500	10.0		89.4	70-130			
Total Xylenes	13.3	0.0250	15.0		88.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.54		8.00		94.2	70-130			

Matrix Spike (2632159-MS1)

Source: E608049-01

Prepared: 08/07/26 Analyzed: 08/07/26

Benzene	5.16	0.0250	5.00	ND	103	70-130			
Ethylbenzene	5.42	0.0250	5.00	0.536	97.7	70-130			
Toluene	5.10	0.0250	5.00	0.122	99.6	70-130			
o-Xylene	6.43	0.0250	5.00	1.41	100	70-130			
p,m-Xylene	15.4	0.0500	10.0	5.33	101	70-130			
Total Xylenes	21.9	0.0250	15.0	6.74	101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.82		8.00		97.8	70-130			

Matrix Spike Dup (2632159-MSD1)

Source: E608049-01

Prepared: 08/07/26 Analyzed: 08/10/26

Benzene	5.11	0.0250	5.00	ND	102	70-130	0.941	20	
Ethylbenzene	5.43	0.0250	5.00	0.536	97.8	70-130	0.0719	20	
Toluene	5.08	0.0250	5.00	0.122	99.2	70-130	0.410	20	
o-Xylene	6.35	0.0250	5.00	1.41	98.8	70-130	1.26	20	
p,m-Xylene	15.3	0.0500	10.0	5.33	100	70-130	0.648	20	
Total Xylenes	21.7	0.0250	15.0	6.74	99.7	70-130	0.827	20	
Surrogate: 4-Bromochlorobenzene-PID	7.57		8.00		94.6	70-130			



QC Summary Data

Hilcorp Energy Co	Project Name:	Rattlesnake Canyon 104S	Reported:
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Ivan Ramos	8/12/2026 4:00:34PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2632159-BLK1) Prepared: 08/07/26 Analyzed: 08/07/26

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.2	70-130			

LCS (2632159-BS2) Prepared: 08/07/26 Analyzed: 08/07/26

Gasoline Range Organics (C6-C10)	45.4	20.0	50.0		90.8	62-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.9	70-130			

Matrix Spike (2632159-MS2) Source: E608049-01 Prepared: 08/07/26 Analyzed: 08/07/26

Gasoline Range Organics (C6-C10)	167	20.0	50.0	106	123	60-137			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.73		8.00		109	70-130			

Matrix Spike Dup (2632159-MSD2) Source: E608049-01 Prepared: 08/07/26 Analyzed: 08/08/26

Gasoline Range Organics (C6-C10)	169	20.0	50.0	106	127	60-137	1.03	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.75		8.00		109	70-130			



QC Summary Data

Hilcorp Energy Co	Project Name:	Rattlesnake Canyon 104S	Reported:
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Ivan Ramos	8/12/2026 4:00:34PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: CJB

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2632171-BLK1)

Prepared: 08/07/26 Analyzed: 08/07/26

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	54.7		50.0		109	69-135			

LCS (2632171-BS1)

Prepared: 08/07/26 Analyzed: 08/07/26

Diesel Range Organics (C10-C28)	244	25.0	250		97.7	70-131			
Surrogate: <i>n</i> -Nonane	54.5		50.0		109	69-135			

Matrix Spike (2632171-MS1)

Source: E608053-05

Prepared: 08/07/26 Analyzed: 08/07/26

Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	62-151			
Surrogate: <i>n</i> -Nonane	55.3		50.0		111	69-135			

Matrix Spike Dup (2632171-MSD1)

Source: E608053-05

Prepared: 08/07/26 Analyzed: 08/07/26

Diesel Range Organics (C10-C28)	197	25.0	250	ND	78.8	62-151	28.5	20	R3
Surrogate: <i>n</i> -Nonane	41.1		50.0		82.1	69-135			



QC Summary Data

Hilcorp Energy Co	Project Name:	Rattlesnake Canyon 104S	Reported:
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Ivan Ramos	8/12/2026 4:00:34PM

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
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Blank (2632158-BLK1)					Prepared: 08/07/26 Analyzed: 08/07/26				
Chloride	ND	20.0							
LCS (2632158-BS1)					Prepared: 08/07/26 Analyzed: 08/07/26				
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2632158-MS1)					Source: E608046-46		Prepared: 08/07/26 Analyzed: 08/07/26		
Chloride	431	20.0	250	178	101	80-120			
Matrix Spike Dup (2632158-MSD1)					Source: E608046-46		Prepared: 08/07/26 Analyzed: 08/07/26		
Chloride	426	20.0	250	178	99.1	80-120	1.32	20	

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



Definitions and Notes

Hilcorp Energy Co	Project Name:	Rattlesnake Canyon 104S	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Ivan Ramos	08/12/26 16:00

- R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
- S2 Surrogate spike recovery was outside of the established acceptance limits. Sample was reanalyzed with similar results.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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





Chain of Custody

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: <u>Hilcorp Energy Company</u>				Company: _____				Lab WO# <u>E1208053</u>		Job Number <u>17051-0002</u>		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: <u>Rattlesnake Canyon 1045</u>				Address: _____											☒	☒			
Project Manager: <u>Ivan Ramos</u>				City, State, Zip: _____															
Address: _____				Phone: _____															
City, State, Zip: _____				Email: _____															
Phone: _____				Miscellaneous: _____															
Email: <u>Ivan.ramos@hilcorp.com</u>																			

Sample Information										Analysis and Method										EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA			
																		Compliance	Y	or		
																		PWSID #				
																		Sample Temp		Remarks		
1034	8/6/26	Soil	1, 2c	FS02			1	X	X	X		X						4.7				
1035				FS03			2											4.9				
1036				SW03			3											5.3				
1039				SW04			4											5.1				
1040				SW05			5											5.2				

Additional Instructions: cc: zmeyers@ensolum.com, shyde@ensolum.com, aschermer@ensolum.com

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

Sampled by: Art Schermer

Relinquished by: (Signature) <u>[Signature]</u>	Date <u>8/6/26</u>	Time <u>1235</u>	Received by: (Signature) <u>Cluth Marx</u>	Date <u>8.10.26</u>	Time <u>1235</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temperature above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on ice: Y N

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

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA _____

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

Envirotech Analytical Laboratory

Printed: 8/6/2026 2:37:51PM

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:	08/06/26 12:35	Work Order ID:	E608053
Phone:	-	Date Logged In:	08/06/26 14:00	Logged In By:	Caitlin Mars
Email:	ivan.ramos@hilcorp.com	Due Date:	08/13/26 17:00 (5 day TAT)		

Chain of Custody (COC)

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

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

Carrier: Ari SComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



APPENDIX D

Agency Correspondence

From: OCDOnline@emnrd.nm.gov
To: [Stuart Hyde](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 610805
Date: Monday, August 3, 2026 4:07:47 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#) nAPP2619530492.

The sampling event is expected to take place:

When: 08/06/2026 @ 10:30

Where: O-32-32N-08W 740 FSL 1535 FEL (36.93569,-107.69394)

Additional Information: Stuart Hyde, 970-903-1607

Additional Instructions: Rattlesnake Canyon #104S pipeline; 36.93486, -107.69482

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.

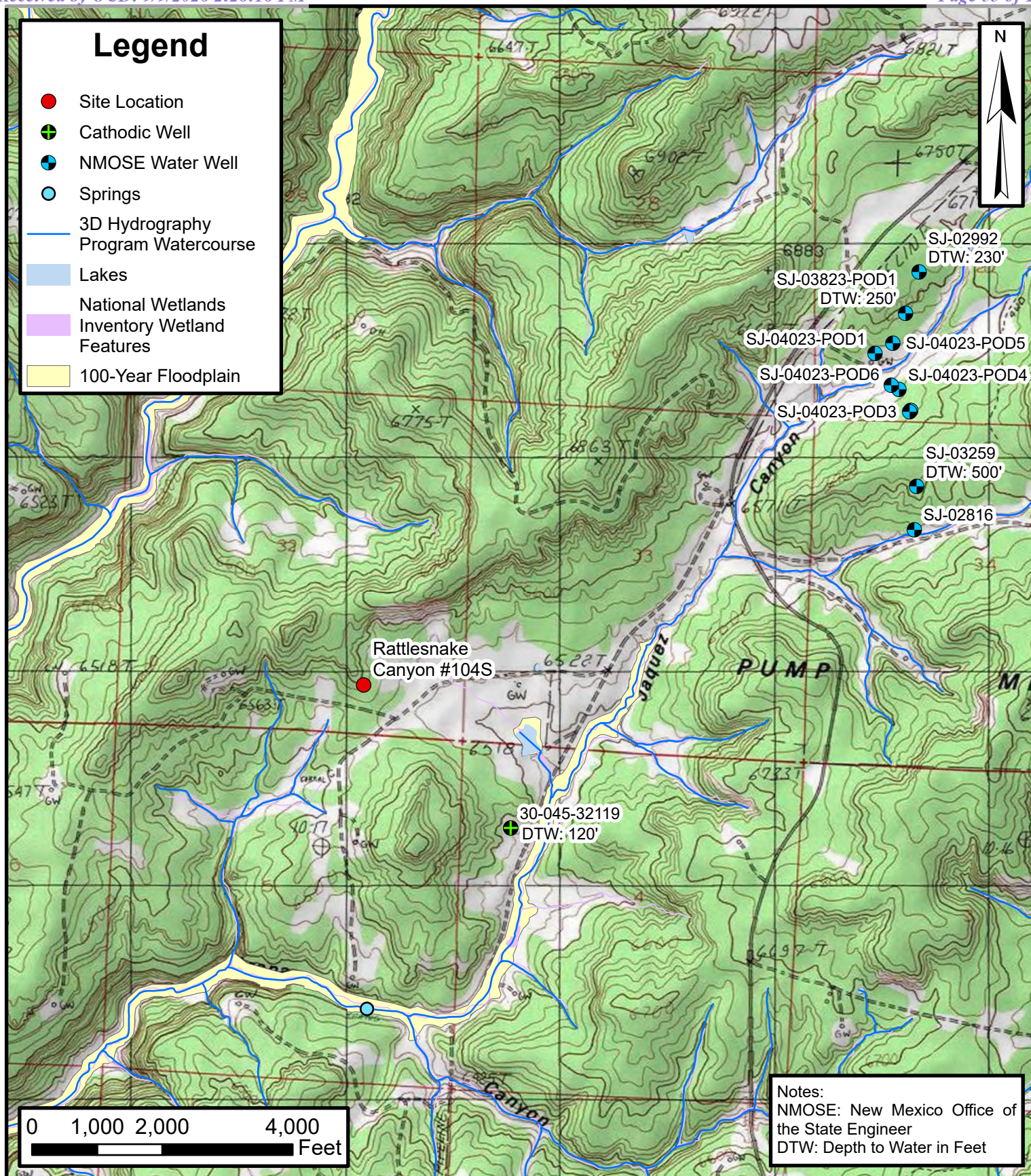
- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**
- **If confirmation sampling is going to take place over multiple days, individual C-141N applications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



FIGURES



Site Location Map

Rattlesnake Canyon #104S
 Hilcorp Energy Company

36.93486, -107.69482
 San Juan County, New Mexico

FIGURE

1

Legend

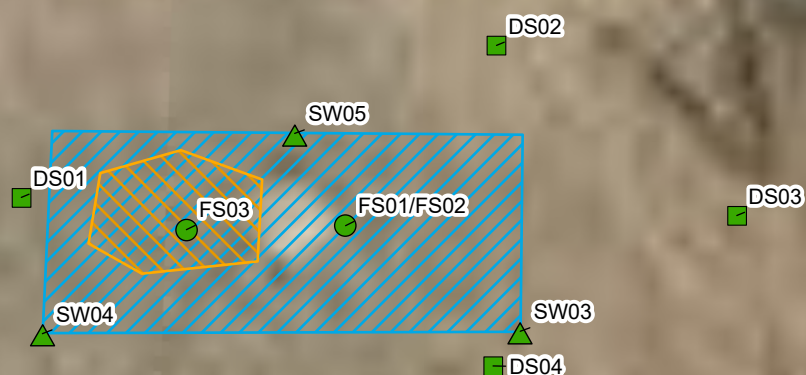
▲ Excavation Sidewall Sample in Compliance with NMOCD Closure Criteria

● Excavation Floor Sample in Compliance with NMOCD Closure Criteria

■ Discrete Delineation Sample in Compliance with NMOCD Closure Criteria

▨ Release Extent

▨ Excavation Extent



0 5 10 20
Feet

Notes:

Bold: Indicates Results Exceed NMOCD Closure Criteria

NMOCD: New Mexico Oil Conservation Division



Soil Sample Locations

Rattlesnake Canyon #104S
Hilcorp Energy Company

36.93486, -107.69482
San Juan County, New Mexico

FIGURE
2



TABLES

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Rattlesnake Canyon #104S
 Hilcorp Energy Company
 San Juan County, New Mexico

Sample Identification	Date	Depth (feet bgs)	Chloride Field Test (ppm)	PID (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCOD Closure Criteria for Soils Impacted by a Release			NE	NE	10	NE	NE	NE	50	NE	NE	NE	100	600
Surface Sample within Release Extent														
SS01@0-0.5'	7/15/2026	0 - 0.5	2,962.4	24.3	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	2,160
Discrete Delineation Samples														
DS01	7/15/2026	0 - 0.5	<156.6	0.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
DS02	7/15/2026	0 - 0.5	<156.6	1.4	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
DS03	7/15/2026	0 - 0.5	<156.6	0.9	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
DS04	7/15/2026	0 - 0.5	<156.6	1.1	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
Excavation Confirmation Soil Samples														
FS01@6'	7/15/2026	6	<156.6	4.3	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	134
FS02	8/6/2026	6	190.4	0.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	177
FS03	8/6/2026	6	224	0.1	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	288
SW01@0-6'	7/15/2026	0 - 6	<156.6	1.5	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	136
SW02@0-6'	7/15/2026	0 - 6	<156.6	--	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	104
SW03	8/6/2026	0 - 6	190.4	0.1	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<100
SW04	8/6/2026	0 - 6	156.8	0.3	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	223
SW05	8/6/2026	0 - 6	156.8	0.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<100

Notes:

bgs: Below ground surface

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

mg/kg: Milligrams per kilogram

NE: Not Established

NMOCOD: New Mexico Oil Conservation Division

PID: Photoionization detector

ppm: Parts per million

': Feet

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbon

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

Concentrations in **bold** exceed the New Mexico Oil Conservation Division Table I Closure Criteria for Soils Impacted by a Release~~Grey and strikethrough text~~ represents soil sample areas that have been excavated



APPENDIX A

Depth-to-Water Determination

**OCD CATHODIC PROTECTION DEEPWELL GROUND BED REPORT
DATA SHEET: NORTHWESTERN NEW MEXICO**

OPERATOR: ConocoPhillips CO.
FARMINGTON, NM 87401
PHONE: 599-3400

SUBMIT 2 COPIES TO O.C.D. AZTEC OFFICE

LOCATION INFORMATION

API Number

3004532119

WELL NAME OR PIPELINE SERVED:

32-8 242A

LEGAL LOCATION:

D-4-31-8

INSTALLATION DATE:

6/3/2004

PPCO RECTIFIER NO.:

FM-448

ADDITIONAL WELLS:

32-8 20A

TYPE OF LEASE:

FEDERAL

LEASE NUMBER:

NMSF079029

GROUND BED INFORMATION

TOTAL DEPTH:

340

CASING DIAMETER:

8-IN

TYPE OF CASING:

PVC

CASING DEPTH:

20'

CASING CEMENTED:



TOP ANODE DEPTH:

230

BOTTOM ANODE DEPTH:

330

ANODE DEPTHS:

230,240,250,260,270,280,290,300,310,320,330

AMOUNT OF COKE:

2400#

WATER INFORMATION

WATER DEPTH (1):

140

WATER DEPTH (2):

GAS DEPTH:

CEMENT PLUGS:

OTHER INFORMATION

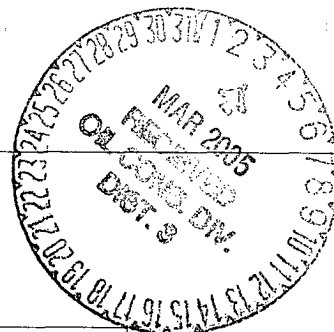
TOP OF VENT PERFORATIONS:

210

VENT PIPE DEPTH:

340

REMARKS: START UP 7-15-04



IF ANY OF THE ABOVE DATA IS UNAVAILABLE, PLEASE INDICATE SO. COPIES OF ALL LOGS, INCLUDING DRILLERS LOGS, WATER ANALYSIS, AND WELL BORE SCHEMATICS SHOULD BE SUBMITTED WHEN AVAILABLE. UNPLUGGED UNABANDONED WELLS ARE TO BE INCLUDED.

*- LAND TYPE MAY BE SHOWN: F-FEDERAL; I-INDIAN; S-STATE; P-FEE

IF FEDERAL OR INDIAN, ADD LEASE NUMBER.

Tuesday, January

Page 42 of 927



APPENDIX B

Photographic Log



Photographic Log
Hilcorp Energy Company
Rattlesnake Canyon #104S
San Juan County, New Mexico



Photograph: 1 Date: 07/15/2026
Description: Excavation activities to repair pipeline.

View: East



Photograph: 2 Date: 07/15/2026
Description: Release footprint in area of mud cracking.

View: East



Photograph: 3 Date: 07/15/2026
Description: Excavation extent, exposed and repaired pipeline.

View: Southwest



Photograph: 4 Date: 07/15/2026
Description: Excavation extent.

View: Southeast



Photographic Log
Hilcorp Energy Company
Rattlesnake Canyon #104S
San Juan County, New Mexico



Photograph: 5 Date: 08/06/2026
Description: Underground pipeline access cellar removal.

View: Southwest



Photograph: 6 Date: 08/06/2026
Description: Excavation and exposed pipelines.

View: Southwest



Photograph: 7 Date: 08/06/2026
Description: Final excavation extent.

View: Southeast



Photograph: 8 Date: 08/06/2026
Description: Removed impacted soil.

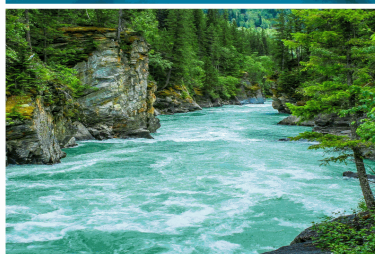
View: South



APPENDIX C

Laboratory Analytical Reports

Report to:
Kate Kaufman



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Hilcorp Energy Co

Project Name: Rattlesnake Canyon Spill

Work Order: E607154

Job Number: 17051-0002

Received: 7/15/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/22/26

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 7/22/26

Kate Kaufman
PO Box 61529
Houston, TX 77208



Project Name: Rattlesnake Canyon Spill
Workorder: E607154
Date Received: 7/15/2026 12:48:00PM

Kate Kaufman,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/15/2026 12:48:00PM, under the Project Name: Rattlesnake Canyon Spill.

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

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

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

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

Respectfully,

Walter Hinchman
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
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SS01 @ 0-0.5'	5
DS01	6
SW01 @ 0-6'	7
SW02 @ 0-6'	8
FS01 @ 6'	9
DS02	10
DS03	11
DS04	12
QC Summary Data	13
QC - Volatile Organics by EPA 8021B	13
QC - Nonhalogenated Organics by EPA 8015D - GRO	14
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	15
QC - Anions by EPA 300.0/9056A	16
Definitions and Notes	17
Chain of Custody etc.	18

Sample Summary

Hilcorp Energy Co	Project Name:	Rattlesnake Canyon Spill	Reported:
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Kate Kaufman	07/22/26 08:45

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01 @ 0-0.5'	E607154-01A	Soil	07/15/26	07/15/26	Glass Jar, 2 oz.
DS01	E607154-02A	Soil	07/15/26	07/15/26	Glass Jar, 2 oz.
SW01 @ 0-6'	E607154-03A	Soil	07/15/26	07/15/26	Glass Jar, 2 oz.
SW02 @ 0-6'	E607154-04A	Soil	07/15/26	07/15/26	Glass Jar, 2 oz.
FS01 @ 6'	E607154-05A	Soil	07/15/26	07/15/26	Glass Jar, 2 oz.
DS02	E607154-06A	Soil	07/15/26	07/15/26	Glass Jar, 2 oz.
DS03	E607154-07A	Soil	07/15/26	07/15/26	Glass Jar, 2 oz.
DS04	E607154-08A	Soil	07/15/26	07/15/26	Glass Jar, 2 oz.



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Rattlesnake Canyon Spill
Project Number: 17051-0002
Project Manager: Kate Kaufman

Reported:
7/22/2026 8:45:10AM

SS01 @ 0-0.5'

E607154-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2629085	
Benzene	ND	0.0250	1	07/16/26	07/16/26	
Ethylbenzene	ND	0.0250	1	07/16/26	07/16/26	
Toluene	ND	0.0250	1	07/16/26	07/16/26	
o-Xylene	ND	0.0250	1	07/16/26	07/16/26	
p,m-Xylene	ND	0.0500	1	07/16/26	07/16/26	
Total Xylenes	ND	0.0250	1	07/16/26	07/16/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	07/16/26	07/16/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2629085	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/26	07/16/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		117 %	70-130	07/16/26	07/16/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2629098	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/26	07/17/26	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/26	07/17/26	
<i>Surrogate: n-Nonane</i>		113 %	69-135	07/17/26	07/17/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2629084	
Chloride	2160	40.0	2	07/16/26	07/16/26	



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Rattlesnake Canyon Spill
Project Number: 17051-0002
Project Manager: Kate Kaufman

Reported:
7/22/2026 8:45:10AM

DS01

E607154-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2629085	
Benzene	ND	0.0250	1	07/16/26	07/16/26	
Ethylbenzene	ND	0.0250	1	07/16/26	07/16/26	
Toluene	ND	0.0250	1	07/16/26	07/16/26	
o-Xylene	ND	0.0250	1	07/16/26	07/16/26	
p,m-Xylene	ND	0.0500	1	07/16/26	07/16/26	
Total Xylenes	ND	0.0250	1	07/16/26	07/16/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	07/16/26	07/16/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2629085	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/26	07/16/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		118 %	70-130	07/16/26	07/16/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2629098	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/26	07/17/26	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/26	07/17/26	
<i>Surrogate: n-Nonane</i>						
		112 %	69-135	07/17/26	07/17/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2629084	
Chloride	ND	20.0	1	07/16/26	07/16/26	



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Rattlesnake Canyon Spill
Project Number: 17051-0002
Project Manager: Kate Kaufman

Reported:
7/22/2026 8:45:10AM

SW01 @ 0-6'

E607154-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2629085
Benzene	ND	0.0250	1	07/16/26	07/16/26	
Ethylbenzene	ND	0.0250	1	07/16/26	07/16/26	
Toluene	ND	0.0250	1	07/16/26	07/16/26	
o-Xylene	ND	0.0250	1	07/16/26	07/16/26	
p,m-Xylene	ND	0.0500	1	07/16/26	07/16/26	
Total Xylenes	ND	0.0250	1	07/16/26	07/16/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	07/16/26	07/16/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2629085
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/26	07/16/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		118 %	70-130	07/16/26	07/16/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2629098
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/26	07/17/26	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/26	07/17/26	
<i>Surrogate: n-Nonane</i>						
		114 %	69-135	07/17/26	07/17/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2629084
Chloride	136	40.0	2	07/16/26	07/17/26	



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Rattlesnake Canyon Spill
Project Number: 17051-0002
Project Manager: Kate Kaufman

Reported:
7/22/2026 8:45:10AM

SW02 @ 0-6'

E607154-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2629085	
Benzene	ND	0.0250	1	07/16/26	07/16/26	
Ethylbenzene	ND	0.0250	1	07/16/26	07/16/26	
Toluene	ND	0.0250	1	07/16/26	07/16/26	
o-Xylene	ND	0.0250	1	07/16/26	07/16/26	
p,m-Xylene	ND	0.0500	1	07/16/26	07/16/26	
Total Xylenes	ND	0.0250	1	07/16/26	07/16/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.7 %	70-130		07/16/26	07/16/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2629085	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/26	07/16/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	117 %	70-130		07/16/26	07/16/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2629098	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/26	07/17/26	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/26	07/17/26	
<i>Surrogate: n-Nonane</i>						
	113 %	69-135		07/17/26	07/17/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2629084	
Chloride	104	100	5	07/16/26	07/17/26	



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Rattlesnake Canyon Spill
Project Number: 17051-0002
Project Manager: Kate Kaufman

Reported:
7/22/2026 8:45:10AM

FS01 @ 6'

E607154-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2629085	
Benzene	ND	0.0250	1	07/16/26	07/16/26	
Ethylbenzene	ND	0.0250	1	07/16/26	07/16/26	
Toluene	ND	0.0250	1	07/16/26	07/16/26	
o-Xylene	ND	0.0250	1	07/16/26	07/16/26	
p,m-Xylene	ND	0.0500	1	07/16/26	07/16/26	
Total Xylenes	ND	0.0250	1	07/16/26	07/16/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	07/16/26	07/16/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2629085	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/26	07/16/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		118 %	70-130	07/16/26	07/16/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2629098	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/26	07/17/26	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/26	07/17/26	
<i>Surrogate: n-Nonane</i>						
		112 %	69-135	07/17/26	07/17/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2629084	
Chloride	134	20.0	1	07/16/26	07/17/26	



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Rattlesnake Canyon Spill
Project Number: 17051-0002
Project Manager: Kate Kaufman

Reported:
7/22/2026 8:45:10AM

DS02

E607154-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2629085	
Benzene	ND	0.0250	1	07/16/26	07/16/26	
Ethylbenzene	ND	0.0250	1	07/16/26	07/16/26	
Toluene	ND	0.0250	1	07/16/26	07/16/26	
o-Xylene	ND	0.0250	1	07/16/26	07/16/26	
p,m-Xylene	ND	0.0500	1	07/16/26	07/16/26	
Total Xylenes	ND	0.0250	1	07/16/26	07/16/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	07/16/26	07/16/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2629085	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/26	07/16/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		118 %	70-130	07/16/26	07/16/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2629098	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/26	07/17/26	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/26	07/17/26	
<i>Surrogate: n-Nonane</i>						
		114 %	69-135	07/17/26	07/17/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2629084	
Chloride	ND	20.0	1	07/16/26	07/17/26	



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Rattlesnake Canyon Spill
Project Number: 17051-0002
Project Manager: Kate Kaufman

Reported:
7/22/2026 8:45:10AM

DS03

E607154-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2629085	
Benzene	ND	0.0250	1	07/16/26	07/16/26	
Ethylbenzene	ND	0.0250	1	07/16/26	07/16/26	
Toluene	ND	0.0250	1	07/16/26	07/16/26	
o-Xylene	ND	0.0250	1	07/16/26	07/16/26	
p,m-Xylene	ND	0.0500	1	07/16/26	07/16/26	
Total Xylenes	ND	0.0250	1	07/16/26	07/16/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	07/16/26	07/16/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2629085	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/26	07/16/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		119 %	70-130	07/16/26	07/16/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2629098	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/26	07/17/26	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/26	07/17/26	
<i>Surrogate: n-Nonane</i>						
		114 %	69-135	07/17/26	07/17/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2629084	
Chloride	ND	20.0	1	07/16/26	07/17/26	



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Rattlesnake Canyon Spill
Project Number: 17051-0002
Project Manager: Kate Kaufman

Reported:
7/22/2026 8:45:10AM

DS04

E607154-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2629085	
Benzene	ND	0.0250	1	07/16/26	07/16/26	
Ethylbenzene	ND	0.0250	1	07/16/26	07/16/26	
Toluene	ND	0.0250	1	07/16/26	07/16/26	
o-Xylene	ND	0.0250	1	07/16/26	07/16/26	
p,m-Xylene	ND	0.0500	1	07/16/26	07/16/26	
Total Xylenes	ND	0.0250	1	07/16/26	07/16/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	07/16/26	07/16/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2629085	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/26	07/16/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		118 %	70-130	07/16/26	07/16/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2629098	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/26	07/17/26	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/26	07/17/26	
<i>Surrogate: n-Nonane</i>						
		113 %	69-135	07/17/26	07/17/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2629084	
Chloride	ND	40.0	2	07/16/26	07/17/26	



QC Summary Data

Hilcorp Energy Co	Project Name:	Rattlesnake Canyon Spill	Reported:
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Kate Kaufman	7/22/2026 8:45:10AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2629085-BLK1) Prepared: 07/16/26 Analyzed: 07/16/26

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.20		8.00		103	70-130			

LCS (2629085-BS1) Prepared: 07/16/26 Analyzed: 07/16/26

Benzene	5.08	0.0250	5.00		102	70-130			
Ethylbenzene	5.08	0.0250	5.00		102	70-130			
Toluene	5.14	0.0250	5.00		103	70-130			
o-Xylene	5.07	0.0250	5.00		101	70-130			
p,m-Xylene	9.95	0.0500	10.0		99.5	70-130			
Total Xylenes	15.0	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.09		8.00		101	70-130			

Matrix Spike (2629085-MS1) Source: E607154-04 Prepared: 07/16/26 Analyzed: 07/16/26

Benzene	4.72	0.0250	5.00	ND	94.4	70-130			
Ethylbenzene	4.71	0.0250	5.00	ND	94.2	70-130			
Toluene	4.77	0.0250	5.00	ND	95.4	70-130			
o-Xylene	4.72	0.0250	5.00	ND	94.4	70-130			
p,m-Xylene	9.21	0.0500	10.0	ND	92.1	70-130			
Total Xylenes	13.9	0.0250	15.0	ND	92.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.06		8.00		101	70-130			

Matrix Spike Dup (2629085-MSD1) Source: E607154-04 Prepared: 07/16/26 Analyzed: 07/16/26

Benzene	5.13	0.0250	5.00	ND	103	70-130	8.41	20	
Ethylbenzene	5.11	0.0250	5.00	ND	102	70-130	8.18	20	
Toluene	5.17	0.0250	5.00	ND	103	70-130	8.12	20	
o-Xylene	5.10	0.0250	5.00	ND	102	70-130	7.76	20	
p,m-Xylene	9.98	0.0500	10.0	ND	99.8	70-130	8.12	20	
Total Xylenes	15.1	0.0250	15.0	ND	101	70-130	8.00	20	
Surrogate: 4-Bromochlorobenzene-PID	8.05		8.00		101	70-130			



QC Summary Data

Hilcorp Energy Co	Project Name:	Rattlesnake Canyon Spill	Reported:
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Kate Kaufman	7/22/2026 8:45:10AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2629085-BLK1) Prepared: 07/16/26 Analyzed: 07/16/26

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.52		8.00		119	70-130			

LCS (2629085-BS2) Prepared: 07/16/26 Analyzed: 07/16/26

Gasoline Range Organics (C6-C10)	44.5	20.0	50.0		89.0	62-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.49		8.00		119	70-130			

Matrix Spike (2629085-MS2) Source: E607154-04 Prepared: 07/16/26 Analyzed: 07/16/26

Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	60-137			
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.55		8.00		119	70-130			

Matrix Spike Dup (2629085-MSD2) Source: E607154-04 Prepared: 07/16/26 Analyzed: 07/16/26

Gasoline Range Organics (C6-C10)	55.7	20.0	50.0	ND	111	60-137	2.73	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.55		8.00		119	70-130			



QC Summary Data

Hilcorp Energy Co	Project Name:	Rattlesnake Canyon Spill	Reported:
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Kate Kaufman	7/22/2026 8:45:10AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2629098-BLK1)					Prepared: 07/17/26 Analyzed: 07/17/26				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.7		50.0		109	69-135			

LCS (2629098-BS1)					Prepared: 07/17/26 Analyzed: 07/17/26				
Diesel Range Organics (C10-C28)	239	25.0	250		95.6	70-131			
Surrogate: n-Nonane	53.8		50.0		108	69-135			

Matrix Spike (2629098-MS1)					Source: E607154-02		Prepared: 07/17/26 Analyzed: 07/17/26		
Diesel Range Organics (C10-C28)	254	25.0	250	ND	102	62-151			
Surrogate: n-Nonane	54.2		50.0		108	69-135			

Matrix Spike Dup (2629098-MSD1)					Source: E607154-02		Prepared: 07/17/26 Analyzed: 07/17/26		
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	62-151	0.614	20	
Surrogate: n-Nonane	54.9		50.0		110	69-135			



QC Summary Data

Hilcorp Energy Co	Project Name:	Rattlesnake Canyon Spill	Reported:
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Kate Kaufman	7/22/2026 8:45:10AM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2629084-BLK1)					Prepared: 07/16/26 Analyzed: 07/16/26				
Chloride	ND	20.0							
LCS (2629084-BS1)					Prepared: 07/16/26 Analyzed: 07/16/26				
Chloride	264	20.0	250		106	90-110			
Matrix Spike (2629084-MS1)					Source: E607153-03		Prepared: 07/16/26 Analyzed: 07/16/26		
Chloride	352	20.0	250	97.5	102	80-120			
Matrix Spike Dup (2629084-MSD1)					Source: E607153-03		Prepared: 07/16/26 Analyzed: 07/16/26		
Chloride	361	20.0	250	97.5	105	80-120	2.44	20	

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



Definitions and Notes

Hilcorp Energy Co	Project Name:	Rattlesnake Canyon Spill	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Kate Kaufman	07/22/26 08:45

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: Hilcorp Energy Company				Company: SAME AS		Lab WO# E607154		Job Number 17051-0002		1D	2D	3D	Std	NM	CO	UT	TX		
Project Name: Rattlesnake Canyon Spill				Address:															
Project Manager: Kate Kaufman				City, State, Zip: CLIENT															
Address:				Phone:															
City, State, Zip:				Email:															
Phone:				Miscellaneous:															
Email: kkaufman@hilcorp.com																			
Sample Information					Analysis and Method										EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
0905	7/15/26	soil	one, 202	SS01 @ 0-0.5'		1	X	X	X	X									
0940				DS01		2	X	X	X	X									
1031				SW01 @ 0-6'		3	X	X	X	X									
1034				SW02 @ 0-6'		4	X	X	X	X									
1037				FS01 @ 6'		5	X	X	X	X									
1046				DS02		6	X	X	X	X									
1047				DS03		7	X	X	X	X									
1048				DS04		8	X	X	X	X									
Additional Instructions: cc: shyde@ensolum.com, wwreichert@ensolum.com, zmyers@ensolum.com, hpeck@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Harper Deck																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.							
Harper Deck		7/15/26		1245		Cauth Marx		7-15-26		141245									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Envirotech Analytical Laboratory

Printed: 7/16/2026 7:40:12AM

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:	07/15/26 12:48	Work Order ID:	E607154
Phone:	505-599-3400	Date Logged In:	07/16/26 06:54	Logged In By:	Noe Soto
Email:	kkaufman@hilcorp.com	Due Date:	07/22/26 17:00 (5 day TAT)		

Chain of Custody (COC)

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

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

Carrier: Harper PeckComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

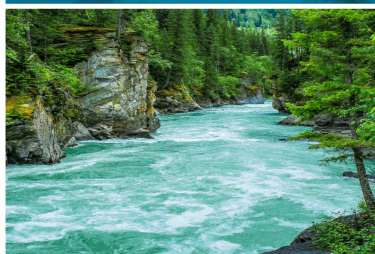
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ivan Ramos



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Hilcorp Energy Co

Project Name: Rattlesnake Canyon 104S

Work Order: E608053

Job Number: 17051-0002

Received: 8/6/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/12/26

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 8/12/26

Ivan Ramos
PO Box 61529
Houston, TX 77208



Project Name: Rattlesnake Canyon 104S
Workorder: E608053
Date Received: 8/6/2026 12:35:00PM

Ivan Ramos,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/6/2026 12:35:00PM, under the Project Name: Rattlesnake Canyon 104S.

The analytical test results summarized in this report with the Project Name: Rattlesnake Canyon 104S apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzaless@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS02	5
FS03	6
SW03	7
SW04	8
SW05	9
QC Summary Data	10
QC - Volatile Organics by EPA 8021B	10
QC - Nonhalogenated Organics by EPA 8015D - GRO	11
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	12
QC - Anions by EPA 300.0/9056A	13
Definitions and Notes	14
Chain of Custody etc.	15

Sample Summary

Hilcorp Energy Co	Project Name:	Rattlesnake Canyon 104S	Reported: 08/12/26 16:00
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Ivan Ramos	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS02	E608053-01A	Soil	08/06/26	08/06/26	Glass Jar, 2 oz.
FS03	E608053-02A	Soil	08/06/26	08/06/26	Glass Jar, 2 oz.
SW03	E608053-03A	Soil	08/06/26	08/06/26	Glass Jar, 2 oz.
SW04	E608053-04A	Soil	08/06/26	08/06/26	Glass Jar, 2 oz.
SW05	E608053-05A	Soil	08/06/26	08/06/26	Glass Jar, 2 oz.



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Rattlesnake Canyon 104S
Project Number: 17051-0002
Project Manager: Ivan Ramos

Reported:
8/12/2026 4:00:34PM

FS02

E608053-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2632159	
Benzene	ND	0.0250	1	08/07/26	08/08/26	
Ethylbenzene	ND	0.0250	1	08/07/26	08/08/26	
Toluene	ND	0.0250	1	08/07/26	08/08/26	
o-Xylene	ND	0.0250	1	08/07/26	08/08/26	
p,m-Xylene	ND	0.0500	1	08/07/26	08/08/26	
Total Xylenes	ND	0.0250	1	08/07/26	08/08/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.6 %	70-130	08/07/26	08/08/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2632159	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/26	08/08/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.0 %	70-130	08/07/26	08/08/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: CJB		Batch: 2632171	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/26	08/07/26	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/26	08/07/26	
<i>Surrogate: n-Nonane</i>		112 %	69-135	08/07/26	08/07/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2632158	
Chloride	177	40.0	2	08/07/26	08/07/26	



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Rattlesnake Canyon 104S
Project Number: 17051-0002
Project Manager: Ivan Ramos

Reported:
8/12/2026 4:00:34PM

FS03

E608053-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2632159	
Benzene	ND	0.0250	1	08/07/26	08/08/26	
Ethylbenzene	ND	0.0250	1	08/07/26	08/08/26	
Toluene	ND	0.0250	1	08/07/26	08/08/26	
o-Xylene	ND	0.0250	1	08/07/26	08/08/26	
p,m-Xylene	ND	0.0500	1	08/07/26	08/08/26	
Total Xylenes	ND	0.0250	1	08/07/26	08/08/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.1 %	70-130		08/07/26	08/08/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2632159	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/26	08/08/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		08/07/26	08/08/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: CJB		Batch: 2632171	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/26	08/07/26	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/26	08/07/26	
<i>Surrogate: n-Nonane</i>						
	111 %	69-135		08/07/26	08/07/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2632158	
Chloride	288	100	5	08/07/26	08/07/26	



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Rattlesnake Canyon 104S
Project Number: 17051-0002
Project Manager: Ivan Ramos

Reported:
8/12/2026 4:00:34PM

SW03

E608053-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2632159	
Benzene	ND	0.0250	1	08/07/26	08/08/26	
Ethylbenzene	ND	0.0250	1	08/07/26	08/08/26	
Toluene	ND	0.0250	1	08/07/26	08/08/26	
o-Xylene	ND	0.0250	1	08/07/26	08/08/26	
p,m-Xylene	ND	0.0500	1	08/07/26	08/08/26	
Total Xylenes	ND	0.0250	1	08/07/26	08/08/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.7 %	70-130		08/07/26	08/08/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2632159	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/26	08/08/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		08/07/26	08/08/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: CJB		Batch: 2632171	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/26	08/07/26	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/26	08/07/26	
<i>Surrogate: n-Nonane</i>						
	108 %	69-135		08/07/26	08/07/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2632158	
Chloride	ND	100	5	08/07/26	08/07/26	



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Rattlesnake Canyon 104S
Project Number: 17051-0002
Project Manager: Ivan Ramos

Reported:
8/12/2026 4:00:34PM

SW04

E608053-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2632159	
Benzene	ND	0.0250	1	08/07/26	08/08/26	
Ethylbenzene	ND	0.0250	1	08/07/26	08/08/26	
Toluene	ND	0.0250	1	08/07/26	08/08/26	
o-Xylene	ND	0.0250	1	08/07/26	08/08/26	
p,m-Xylene	ND	0.0500	1	08/07/26	08/08/26	
Total Xylenes	ND	0.0250	1	08/07/26	08/08/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.1 %	70-130		08/07/26	08/08/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2632159	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/26	08/08/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.3 %	70-130		08/07/26	08/08/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: CJB		Batch: 2632171	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/26	08/07/26	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/26	08/07/26	
<i>Surrogate: n-Nonane</i>						
	110 %	69-135		08/07/26	08/07/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2632158	
Chloride	223	40.0	2	08/07/26	08/07/26	



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Rattlesnake Canyon 104S
Project Number: 17051-0002
Project Manager: Ivan Ramos

Reported:
8/12/2026 4:00:34PM

SW05

E608053-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2632159	
Benzene	ND	0.0250	1	08/07/26	08/08/26	
Ethylbenzene	ND	0.0250	1	08/07/26	08/08/26	
Toluene	ND	0.0250	1	08/07/26	08/08/26	
o-Xylene	ND	0.0250	1	08/07/26	08/08/26	
p,m-Xylene	ND	0.0500	1	08/07/26	08/08/26	
Total Xylenes	ND	0.0250	1	08/07/26	08/08/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.2 %	70-130		08/07/26	08/08/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2632159	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/26	08/08/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.0 %	70-130		08/07/26	08/08/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: CJB		Batch: 2632171	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/26	08/07/26	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/26	08/07/26	
<i>Surrogate: n-Nonane</i>						
	64.4 %	69-135		08/07/26	08/07/26	S2
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2632158	
Chloride	ND	100	5	08/07/26	08/07/26	



QC Summary Data

Hilcorp Energy Co	Project Name:	Rattlesnake Canyon 104S	Reported:
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Ivan Ramos	8/12/2026 4:00:34PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2632159-BLK1)

Prepared: 08/07/26 Analyzed: 08/07/26

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.42		8.00		92.7	70-130			

LCS (2632159-BS1)

Prepared: 08/07/26 Analyzed: 08/07/26

Benzene	4.58	0.0250	5.00		91.6	70-130			
Ethylbenzene	4.34	0.0250	5.00		86.8	70-130			
Toluene	4.48	0.0250	5.00		89.6	70-130			
o-Xylene	4.35	0.0250	5.00		87.0	70-130			
p,m-Xylene	8.94	0.0500	10.0		89.4	70-130			
Total Xylenes	13.3	0.0250	15.0		88.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.54		8.00		94.2	70-130			

Matrix Spike (2632159-MS1)

Source: E608049-01

Prepared: 08/07/26 Analyzed: 08/07/26

Benzene	5.16	0.0250	5.00	ND	103	70-130			
Ethylbenzene	5.42	0.0250	5.00	0.536	97.7	70-130			
Toluene	5.10	0.0250	5.00	0.122	99.6	70-130			
o-Xylene	6.43	0.0250	5.00	1.41	100	70-130			
p,m-Xylene	15.4	0.0500	10.0	5.33	101	70-130			
Total Xylenes	21.9	0.0250	15.0	6.74	101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.82		8.00		97.8	70-130			

Matrix Spike Dup (2632159-MSD1)

Source: E608049-01

Prepared: 08/07/26 Analyzed: 08/10/26

Benzene	5.11	0.0250	5.00	ND	102	70-130	0.941	20	
Ethylbenzene	5.43	0.0250	5.00	0.536	97.8	70-130	0.0719	20	
Toluene	5.08	0.0250	5.00	0.122	99.2	70-130	0.410	20	
o-Xylene	6.35	0.0250	5.00	1.41	98.8	70-130	1.26	20	
p,m-Xylene	15.3	0.0500	10.0	5.33	100	70-130	0.648	20	
Total Xylenes	21.7	0.0250	15.0	6.74	99.7	70-130	0.827	20	
Surrogate: 4-Bromochlorobenzene-PID	7.57		8.00		94.6	70-130			



QC Summary Data

Hilcorp Energy Co	Project Name:	Rattlesnake Canyon 104S	Reported:
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Ivan Ramos	8/12/2026 4:00:34PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2632159-BLK1) Prepared: 08/07/26 Analyzed: 08/07/26

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.2	70-130			

LCS (2632159-BS2) Prepared: 08/07/26 Analyzed: 08/07/26

Gasoline Range Organics (C6-C10)	45.4	20.0	50.0		90.8	62-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.9	70-130			

Matrix Spike (2632159-MS2) Source: E608049-01 Prepared: 08/07/26 Analyzed: 08/07/26

Gasoline Range Organics (C6-C10)	167	20.0	50.0	106	123	60-137			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.73		8.00		109	70-130			

Matrix Spike Dup (2632159-MSD2) Source: E608049-01 Prepared: 08/07/26 Analyzed: 08/08/26

Gasoline Range Organics (C6-C10)	169	20.0	50.0	106	127	60-137	1.03	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.75		8.00		109	70-130			



QC Summary Data

Hilcorp Energy Co	Project Name:	Rattlesnake Canyon 104S	Reported:
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Ivan Ramos	8/12/2026 4:00:34PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: CJB

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2632171-BLK1)					Prepared: 08/07/26 Analyzed: 08/07/26				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.7		50.0		109	69-135			

LCS (2632171-BS1)					Prepared: 08/07/26 Analyzed: 08/07/26				
Diesel Range Organics (C10-C28)	244	25.0	250		97.7	70-131			
Surrogate: n-Nonane	54.5		50.0		109	69-135			

Matrix Spike (2632171-MS1)					Source: E608053-05		Prepared: 08/07/26 Analyzed: 08/07/26		
Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	62-151			
Surrogate: n-Nonane	55.3		50.0		111	69-135			

Matrix Spike Dup (2632171-MSD1)					Source: E608053-05		Prepared: 08/07/26 Analyzed: 08/07/26		
Diesel Range Organics (C10-C28)	197	25.0	250	ND	78.8	62-151	28.5	20	R3
Surrogate: n-Nonane	41.1		50.0		82.1	69-135			



QC Summary Data

Hilcorp Energy Co	Project Name:	Rattlesnake Canyon 104S	Reported:
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Ivan Ramos	8/12/2026 4:00:34PM

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
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Blank (2632158-BLK1)					Prepared: 08/07/26 Analyzed: 08/07/26				
Chloride	ND	20.0							
LCS (2632158-BS1)					Prepared: 08/07/26 Analyzed: 08/07/26				
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2632158-MS1)					Source: E608046-46		Prepared: 08/07/26 Analyzed: 08/07/26		
Chloride	431	20.0	250	178	101	80-120			
Matrix Spike Dup (2632158-MSD1)					Source: E608046-46		Prepared: 08/07/26 Analyzed: 08/07/26		
Chloride	426	20.0	250	178	99.1	80-120	1.32	20	

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



Definitions and Notes

Hilcorp Energy Co	Project Name:	Rattlesnake Canyon 104S	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Ivan Ramos	08/12/26 16:00

- R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
- S2 Surrogate spike recovery was outside of the established acceptance limits. Sample was reanalyzed with similar results.
- 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.



Page 15 of 16

Additional Instructions: cc: zmeyers@ensolum.com, shyde@ensolum.com, aschermer@ensolum.com						
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						
Sampled by: Art Schermer						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: Y N
[Signature]	8/6/26	1235	[Signature]	8.6.26	1235	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____						
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____						
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.						

Envirotech Analytical Laboratory

Printed: 8/6/2026 2:37:51PM

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:	08/06/26 12:35	Work Order ID:	E608053
Phone:	-	Date Logged In:	08/06/26 14:00	Logged In By:	Caitlin Mars
Email:	ivan.ramos@hilcorp.com	Due Date:	08/13/26 17:00 (5 day TAT)		

Chain of Custody (COC)

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

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

Carrier: Ari S**Comments/Resolution****Sample Turn Around Time (TAT)**

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



APPENDIX D

Agency Correspondence

From: OCDOnline@emnrd.nm.gov
To: [Stuart Hyde](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 610805
Date: Monday, August 3, 2026 4:07:47 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#) nAPP2619530492.

The sampling event is expected to take place:

When: 08/06/2026 @ 10:30

Where: O-32-32N-08W 740 FSL 1535 FEL (36.93569,-107.69394)

Additional Information: Stuart Hyde, 970-903-1607

Additional Instructions: Rattlesnake Canyon #104S pipeline; 36.93486, -107.69482

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

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 623154

QUESTIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 623154
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2619530492
Incident Name	NAPP2619530492 RATTLESNAKE CANYON #104S @ 30-045-31828
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-045-31828] RATTLESNAKE CANYON #104S

Location of Release Source

Please answer all the questions in this group.

Site Name	Rattlesnake Canyon #104S
Date Release Discovered	07/09/2026
Surface Owner	Private

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Other Valve Produced Water Released: 9 BBL Recovered: 8 BBL Lost: 1 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 623154

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 623154
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 09/09/2026
--	--

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QUESTIONS, Page 3

Action 623154

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 623154
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Attached Document
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 300 and 500 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 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	Between 1 and 5 (mi.)
A wetland	Between 300 and 500 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	None
A 100-year floodplain	Between 1000 (ft.) and ½ (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	2160
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	07/15/2026
On what date will (or did) the final sampling or liner inspection occur	08/06/2026
On what date will (or was) the remediation complete(d)	08/06/2026
What is the estimated surface area (in square feet) that will be reclaimed	250
What is the estimated volume (in cubic yards) that will be reclaimed	55
What is the estimated surface area (in square feet) that will be remediated	250
What is the estimated volume (in cubic yards) that will be remediated	55
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 623154

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 623154
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112336756 ENVIROTECH LANDFARM #2
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	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)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 09/09/2026
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 623154

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 623154
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 623154

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 623154
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	610805
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/06/2026
What was the (estimated) number of samples that were to be gathered	3
What was the sampling surface area in square feet	200

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	250
What was the total volume (cubic yards) remediated	55
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	250
What was the total volume (in cubic yards) reclaimed	55
Summarize any additional remediation activities not included by answers (above)	N/A
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 09/09/2026

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QUESTIONS, Page 7

Action 623154

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 623154
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 623154

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 623154
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #nAPP2619530492 Rattlesnake Canyon #104S, thank you. This Remediation Closure Report is approved.	9/10/2026