ENSOLUM

June 24, 2025

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

Re: Remediation Report and Closure Request
San Juan 27-4 #95N
Hilcorp Energy Company
NMOCD Incident No: nAPP2508333359

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 San Juan 27-4 #95N natural gas production well (Site). The Site is located in Carson National Forest and managed by the United States Forest Service (USFS) in Unit B, Section 8, Township 27 North, Range 4 West, Rio Arriba County, New Mexico (Figure 1). This report describes the excavation and confirmation soil sampling activities performed at the Site to remediate impacted soil originating from the release.

SITE BACKGROUND

On March 17, 2025, Hilcorp personnel identified a release of 47.72 barrels (bbls) of condensate and 71.52 bbls of produced water during a routine inspection at the Site. A Hilcorp operator observed a hole at the base of an aboveground storage tank (AST) and noted an impacted area around the AST and within the secondary containment berm. Subsequent investigation determined the release was caused by corrosion at the bottom of the AST.

The tank was immediately taken out of service following the discovery. Although the released fluids remained confined within the secondary containment and did not migrate laterally beyond the berm, no fluids were recovered. The AST has since been repaired and will be returned to service at a later date following remediation activities.

Hilcorp submitted a *Notification of Release* to the New Mexico Oil Conservation Division (NMOCD), the Bureau of Land Management (BLM), and United States Forest Service (USFS), which was received on March 18, 2025. The NMOCD assigned the release Incident Number nAPP2508333359.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

GEOLOGY AND HYDROGEOLOGY

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

POTENTIAL SENSITIVE RECEPTORS

The nearest documented water well to the Site, as reported in the NMOSE iWaters Database, is a cathodic protection well associated with the San Juan 27-4 Unit #039N (API No. 30-039-29559), located approximately 0.86 miles south of the Site (Appendix A). This well was drilled to a total depth of 300 feet below ground surface (bgs), and no groundwater was encountered. The nearest NMOSE-permitted and constructed well is Permit SJ-04056 and is located approximately 3 miles southwest of the Site. Based on available records and regional hydrogeologic conditions, depth to groundwater at the Site is estimated to exceed 100 feet bgs.

The Site is located more than 200 feet from any lakebed, sinkhole, or playa lake, and more than 300 feet from any significant watercourse or wetland. The nearest identified wetland and watercourse is located approximately 720 feet south of the Site. Surrounding land use consists primarily of oil and gas operations and livestock grazing. No occupied permanent residences or structures—including schools, hospitals, institutions, or churches—are located within 300 feet of the Site. Additionally, the Site is not located within an area of known subsurface mining activity, unstable ground, or the 100-year floodplain.

SITE CLOSURE CRITERIA

Based on the information presented above and in accordance with the *Table I, Closure Criteria for Soils Impacted by a Release* of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC), the following Closure Criteria for constituents of concern (COCs) should be applied to the Site:

- Benzene: 10 milligrams per kilogram (mg/kg)
- BTEX: 50 mg/kg
- Total petroleum hydrocarbons (TPH) as a combination of GRO, diesel range organics (DRO), and motor oil range organics (MRO): 2,500 mg/kg
- GRO+DRO: 1,000 mg/kg
- Chloride: 20,000 mg/kg

SITE INVESTIGATION ACTIVITIES

Following discovery of the release, Hilcorp retained Ensolum to perform delineation activities at the Site on April 9, 2025. A total of five hand-auger borings (HA01 through HA05) were completed to depths of up to 6 feet bgs (Figure 2). In accordance with regulatory requirements, the NMOCD was notified at least two business days prior to the initiation of on-Site activities (Appendix B).

Soil was evaluated for visual and olfactory evidence of impacts, including hydrocarbon staining, odors, and chloride crusting. Field screening was conducted for volatile organic compounds (VOCs) using a calibrated Photoionization Detector (PID) and for chloride using Hach® QuanTab®

test strips. Field observations were recorded in the field log, and PID screening results are summarized in Table 1.

Two soil samples were collected from each boring: one from the depth interval exhibiting the highest field screening results, and one from the terminus of the boring. A total of 10 samples were submitted to Eurofins Environment Testing (Eurofins) for laboratory analysis of BTEX (United States Environmental Protection Agency (EPA) Method 8021B), TPH (EPA Method 8015M/D), and chloride (EPA Method 300.0).

BTEX and TPH concentrations exceeded NMOCD Closure Criteria in the soil sample collected from HA01 at 2 feet bgs, located adjacent to the AST and within the secondary containment berm. Remaining COCs were either not detected above the laboratory reporting limits or were below the applicable NMOCD Table I Closure Criteria in all other soil samples analyzed. Analytical results are summarized in Table 1 and depicted Figure 2, with complete laboratory reports included in Appendix C.

EXCAVATION SOIL SAMPLING ACTIVITIES

Based on the delineation results, estimated volume of impacted soil, and the extent of the release, excavation and off-site disposal were determined to be the most appropriate remedial strategy. Excavation activities were conducted by Hilcorp from May 27 to May 30, 2025. In accordance with regulatory requirements, notification was provided to the NMOCD at least two business days prior to initiating remediation and sampling activities (Appendix B). To support excavation efforts, Ensolum personnel performed field screening for VOCs using a calibrated PID.

Following field screening of remaining soil confirmed impacted material had been removed, five-point composite soil samples were collected from the excavation floor (FS01 through FS06A) and sidewalls (SW01 throughSW06) at a frequency of one sample per 200 square feet. Floor samples were collected between 3 feet and 12 feet bgs, and sidewall samples from the ground surface to 12 feet bgs. Specific sample depths are presented in Table 1. Each composite soil sample was prepared by homogenizing five equal aliquots in a clean 1-gallon resealable plastic bag, then transferring the material into laboratory-supplied containers. All samples were submitted to Envirotech Analytical Laboratory in Farmington, New Mexico under standard chain-of-custody procedures for analysis of TPH, BTEX, and chloride using the methods described above. Sample locations are shown on Figure 3.

Analytical results confirmed all confirmation soil samples collected from the final excavation extent during the May 27 and May 30, 2025 events met the applicable NMOCD Table I Closure Criteria and reclamation requirements. Approximately 350 cubic yards of impacted soil were removed and transported to the Envirotech Landfarm in San Juan County, New Mexico for treatment/disposal. A summary of confirmation sample results is provided in Table 1 and on Figure 3. Complete laboratory reports are included in Appendix C, and photographs documenting excavation activities are provided in Appendix D.

CLOSURE REQUEST

Excavation and confirmation sampling activities were completed to address the release identified on March 17, 2025. Laboratory analytical results for confirmation soil samples collected from the final excavation extents demonstrated all COC concentrations were below applicable Site Closure Criteria and met reclamation requirements. As a result, no further remediation is warranted. The removal of impacted soil has effectively mitigated risk to human health, the environment, and groundwater. Accordingly, Hilcorp respectfully requests closure of Incident Number nAPP2508333359.

We appreciate the opportunity to provide this work plan to the NMOCD. If you should have any questions or comments regarding this document, please contact Mr. Wes Weichert, PG via phone or email, which is listed below.

Sincerely,
Ensolum, LLC

Osgood Froelich
Associate Scientist

Wes Weichert, PG (licensed in WY & TX)
Senior Geologist
(816) 266-8732
wweichert@ensolum.com

Attachments:

Figure 1:	Site Location Map
Figure 2:	Delineation Soil Sample Map
Figure 2:	Excavation Soil Sample Map
Table 1:	Soil Sample Analytical Results
Appendix A:	Cathodic Protection Well Log
Appendix B:	Agency Correspondence
Appendix C:	Laboratory Analytical Reports
Appendix D:	Photographic Log

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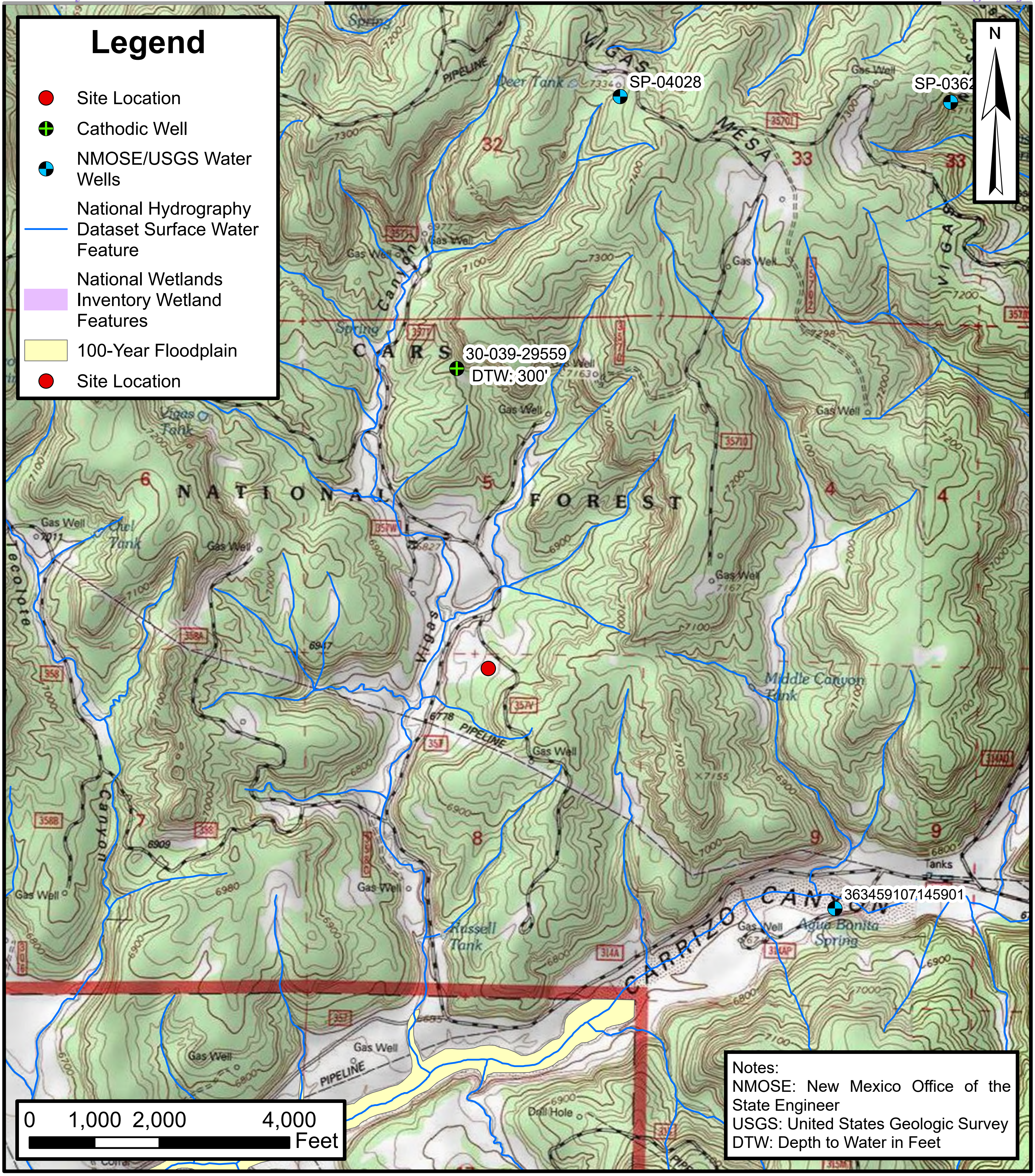
Figures



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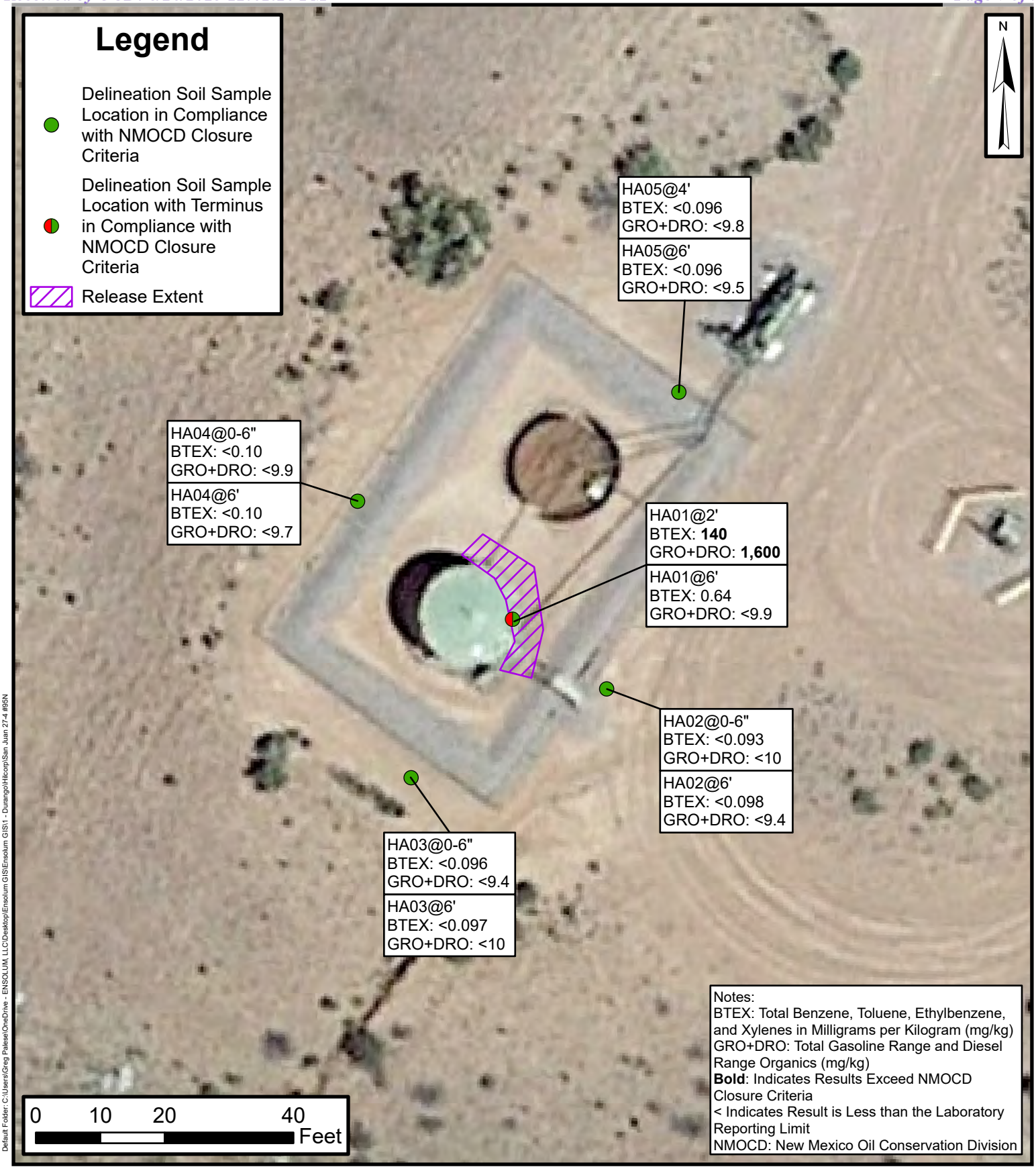
Environmental, Engineering and Hydrogeologic Consultants

Site Location Map

San Juan 27-4 #95N
Hilcorp Energy Company
36.594299, -107.272398
Ri Arriba County, New Mexico

FIGURE
1



Default Folder: C:\Users\Greg Pates\OneDrive - ENSOLUM, LLC\Desktop\Ensolum GIS\Ensolum GIS\1 - Durango\Hilcorp\San Juan 27-4 #95N

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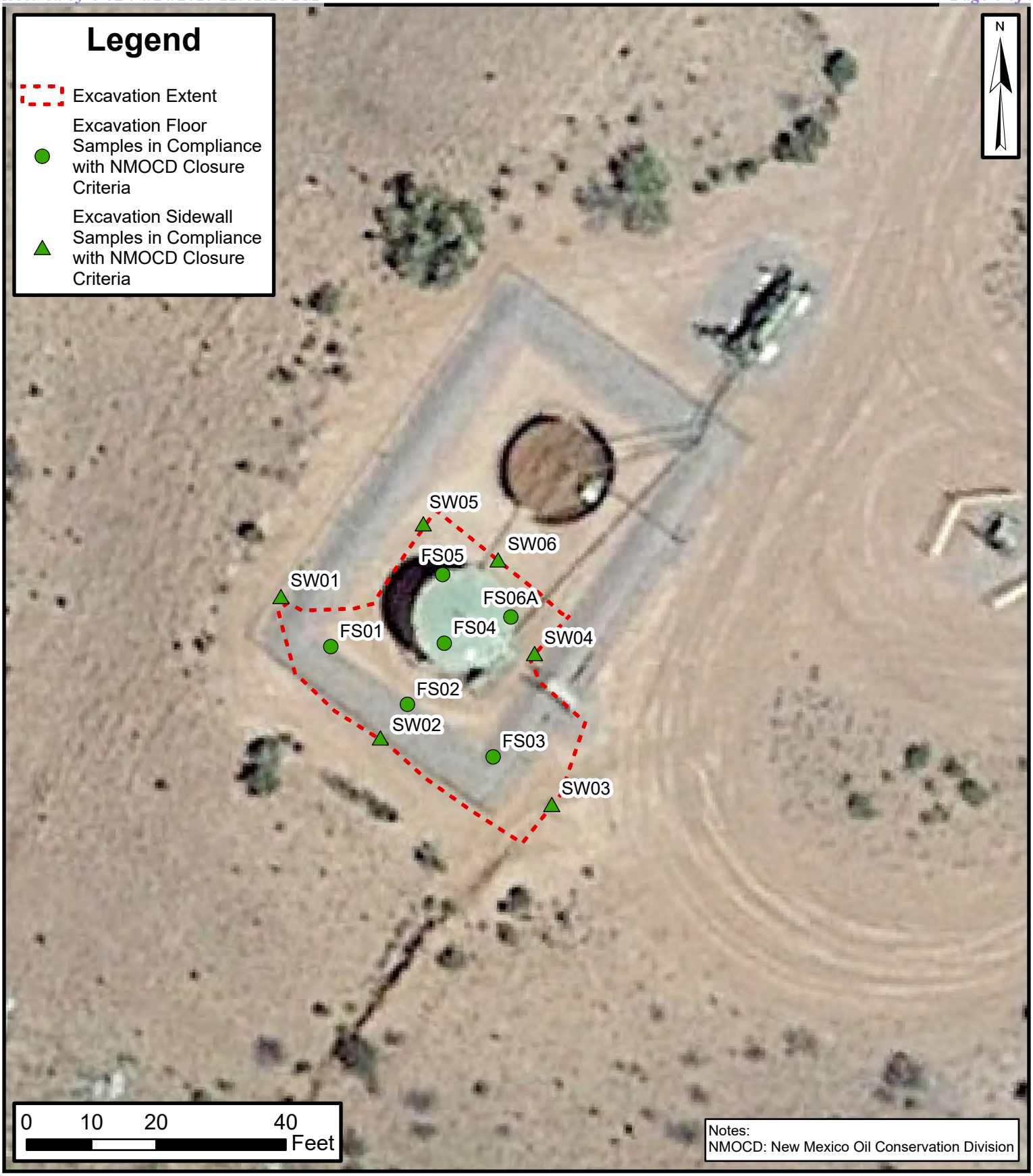
Delineation Soil Sample Map

San Juan 27-4 #95N
Hilcorp Energy Company
36.594299, -107.272398
Rio Arriba County, New Mexico

FIGURE
2

Sources: Google Earth (2022)



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Excavation Soil Sample Map

San Juan 27-4 #95N
Hilcorp Energy Company
36.594299, -107.272398
Rio Arriba County, New Mexico

FIGURE
3

Sources: Google Earth (2022)

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Tables

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
San Juan 27-4 #95N
Hilcorp Energy Company
Rio Arriba County, New Mexico

Sample Identification	Date	Depth (feet bgs)	PID (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Closure Criteria for Soils Impacted by a Release			NE	**10**	NE	NE	NE	**50**	NE	NE	NE	**1,000**	**2,500**	**20,000**
Delineation Soil Samples														
~~HA01@2'~~	~~4/9/2025~~	~~2~~	~~2,035~~	~~0.36~~	~~21~~	~~8.8~~	~~110~~	~~**140**~~	~~1,500~~	~~100~~	~~<47~~	~~**1,600**~~	~~1600~~	~~91~~
HA01@6'	4/9/2025	6	47.7	<0.025	0.11	<0.05	0.53	0.64	<5.0	<9.9	<49	<9.9	<49	<60
HA02@0-6"	4/9/2025	0 - 0.5	5.5	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<10	<50	<10	<50	<59
HA02@6'	4/9/2025	6	1.7	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.4	<47	<9.4	<47	<60
HA03@0-6"	4/9/2025	0 - 0.5	8.4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.4	<47	<9.4	<47	<60
HA03@6'	4/9/2025	6	4.5	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<10	<50	<10	<50	<60
HA04@0-6"	4/9/2025	0 - 0.5	4.2	<0.025	<0.05	<0.05	<0.10	<0.10	<5.0	<9.9	<49	<9.9	<49	<60
HA04@6'	4/9/2025	6	3.9	<0.025	<0.05	<0.05	<0.10	<0.10	<5.0	<9.7	<48	<9.7	<48	<60
HA05@4'	4/9/2025	4	4.4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.8	<49	<9.8	<49	<60
HA05@6'	4/9/2025	6	3.5	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.5	<47	<9.5	<47	<60
Excavation Confirmation Floor Samples														
FS01	5/27/2025	10	84.3	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS02	5/27/2025	12	388.4	<0.0250	<0.0250	<0.0250	0.166	0.166	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS03	5/27/2025	10	340.2	<0.0250	0.0611	0.0407	0.688	0.790	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS04	5/27/2025	6	478.2	<0.0250	0.278	0.171	2.91	3.36	35.8	<25.0	<50.0	35.8	35.8	37.7
FS05	5/27/2025	3	290.1	<0.0250	<0.0250	<0.0250	0.128	0.128	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
~~FS06~~	~~5/27/2025~~	~~3~~	~~464.1~~	~~<0.0250~~	~~0.352~~	~~0.482~~	~~8.36~~	~~9.19~~	~~169~~	~~<25.0~~	~~<50.0~~	~~169~~	~~169~~	~~53.7~~
FS06A	5/30/2025	6	12.2	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	20.3
Excavation Confirmation Sidewall Samples														
SW01	5/27/2025	0 - 10	42.4	<0.0250	<0.0250	<0.0250	0.116	0.116	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW02	5/27/2025	0 - 12	165.5	<0.0250	0.113	0.114	1.65	1.88	41.0	<25.0	<50.0	41.0	41.0	<20.0
SW03	5/27/2025	0 - 10	36.5	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW04	5/27/2025	0 - 3	299.1	<0.0250	<0.0250	<0.0250	0.246	0.246	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW05	5/27/2025	0 - 3	170.3	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW06	5/30/2025	3 - 6	111.3	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

Notes:

bgs: Below ground surface
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
DRO: Diesel Range Organics
GRO: Gasoline Range Organics
mg/kg: Milligrams per kilogram
MRO: Motor Oil/Lube Oil Range Organics
NE: Not Established
NMOCD: New Mexico Oil Conservation Division
PID: Photoionization detector
ppm: Parts per million
TPH: Total Petroleum Hydrocarbon
': Feet
<: Indicates result less than the stated laboratory reporting limit (RL)
*Concentrations in **bold** and shaded exceed the New Mexico Oil Conservation Division Table I Closure Criteria for Soils Impacted by a Release*
~~Grey~~ and strikethrough text represents samples that have been excavated

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APPENDIX A

Cathodic Protection Well Log

TIERRA CORROSION CONTROL, INC.

DRILLING LOG

COMPANY: Conoco Phillips
LOCATION: San Juan 27-4 #39N
STATE: N.M.
BIT SIZE: 7 7/8"
LBS COKE BACKFILL: 2,600#
ANODE TYPE: 2" X 60" Duriron

DATE: 8/13/08
LEGALS: S5 T27N R4W
DRILLER: Gilbert Peck
CASING SIZE/TYPE: 8" X 20' PVC
VENT PIPE: 300'
ANODE AMOUNT: 10

COUNTY: Rio Arriba
DEPTH: 300'
COKE TYPE: Asbury
PERF PIPE: 140'
BOULDER DRILLING: None

DEPTH	DRILLER'S LOG	AMPS	DEPTH	DRILLER'S LOG	AMPS
20	Casing	2.0	310		
25	Shale	1.9	315		
30		2.0	320		
35		1.8	325		
40		1.8	330		
45		2.2	335		
50		3.0	340		
55		2.4	345		
60		2.2	350		
65		3.2	355		
70		4.1	360		
75		3.2	365		
80		3.2	370		
85		3.5	375		
90		3.4	380		
95		2.8	385		
100		2.6	390		
105		3.2	395		
110		3.8	400		
115		4.2	405		
120		3.4	410		
125		3.2	415		
130		2.2	420		
135		2.2	425		
140		4.2	430		
145		3.2	435		
150		3.1	440		
155		3.1	445		
160		3.0	450		
165		2.9	455		
170		2.7	460		
175		2.9	465		
180		2.1	470		
185		3.0	475		
190		2.4	480		
195		3.0	485		
200		2.6	490		
205		2.4	495		
210		2.6	500		
215		2.8			
220		3.1			
225		3.6			
230		3.7			
235		3.8			
240		3.9			
245		4.0			
250		3.3			
255		3.1			
260		2.7			
265		2.0			
270		2.0			
275		2.0			
280		3.1			
285		3.3			
290		.9			
295		.9			
300		TD			
305					

ANODE #	DEPTH	NO COKE	COKE
1	285	3.3	6.4
2	275	2.0	7.2
3	265	2.0	7.8
4	255	3.1	8.3
5	245	4.0	9.3
6	235	3.8	9.2
7	225	3.6	9.2
8	215	2.8	8.8
9	205	2.4	2.1
10	195	3.0	6.7
11			
12			
13			
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24			
25			
26			
27			
28			
29			
30			

WATER DEPTH: None
ISOLATION PLUGS: None
LOGING VOLTS: 12.20
VOLT SOURCE: AUTO BATTERY
TOTAL AMPS: 21.4
TOTAL GB RESISTANCE: 0.57
REMARKS:

Form 3160-4
(October 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE* (See other instructions on reverse side)

FOR APPROVED
OMB NO. 1004-0137
Expires December 31, 1991

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5 LEASE DESIGNATION AND SERIAL NO.: NMSF-080673

6 IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a TYPE OF WELL: OIL WELL [ ] GAS WELL [X] DRY [ ] Other

b TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF RESVR [ ] Other

7 UNIT AGREEMENT NAME: NMNM-078408B

8 FARM OR LEASE NAME, WELL NO: San Juan 27-4 Unit #39N

2. NAME OF OPERATOR: BURLINGTON RESOURCES OIL & GAS COMPANY

9 API WELL NO: 30-039-29559

3 ADDRESS AND TELEPHONE NO.: PO Box 4289, Farmington, NM 87499 (505) 326-9700

10 FIELD AND POOL, OR WILDCAT: Blanco Mesaverde/ Basin Dakota

4 LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: Unit C (NENW), 740' FNL & 2350' FWL
At top prod. interval reported below: SAME
At total depth: SAME

11 SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 5, T27N, R4W, NMPM

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13 STATE
		Rio Arriba	New Mexico

15 DATE SPUDDED	16. DATE T.D. REACHED	17 DATE COMPL. (*Ready to prod.*)	18 ELEVATIONS (DF, RKB, RT BR, ETC.)*	19. ELEV CASINGHEAD
8/5/06	8/15/06	10/24/06	KB-7018'; GL-7006'	

20 TOTAL DEPTH, MD &TVD	21 PLUG, BACK T.D., MD &TVD	22. IF MULTIPLE COMPL., HOW MANY*	23 INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
8358'	8355'	2		X	

24. PRODUCTION INTERVAL (S) OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)*: Basin Dakota 8128'- 8212'

25 WAS DIRECTIONAL SURVEY MADE: NO

26 LOGS: Mud Logs

27. WAS WELL CORED: No

28. CASING RECORD (*Report all strings set in well*)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8" H-40	32.3#	144'	12-1/4"	SURF; 9 sx	12bbls
7", J-55	20#/23#	4129'	8-3/4"	SURF; 608 sx	TOC 450'
4 1/2" J-55	10.5#/11.6#	8357'	6 1/4"	TOC @ 3150'; 309 sx	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8" 4.7#	8229'	

31 PERFORATION RECORD (*Interval, size and number*)
8225'-8327' @ 2spf =58
5930'-6404' @ 1spf =29
Total =77

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5930'-8327'	10bbls 15% HCL acid, 106050 gal slickwater w/ 40000# 20/40 TLC sand

33 PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping--size and type of pump*)	WELL STATUS (*Producing or shut-in*)
SI	Pump	SI

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL--BBL	GAS--MCF	WATER--BBL	GAS-OIL RATIO
10/21/06	1 hr	2"	→	0	25 mcf		

FLOW. TUBING PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL	GAS--MCF	WATER--BBL	OIL GRAVITY-API (CORR.)
SI - 718#	SI - 612#	→	0	599 mcfd	0	

RCVD NOV 7'06
OIL CONS. DIV
DIST. 3

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*): To be sold

TEST WITNESSED BY

35 LIST OF ATTACHMENTS: This is a MV/DK commingled well-being DHC'd per order,2321az.

36 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Armanda Sanchez TITLE Regulatory Tech DATE 11/1/06

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

ACCEPTED FOR RECORD
NOV 0 2 2006
FARMINGTON FIELD OFFICE
BY TL Salyers

ENSOLUM

APPENDIX B

Agency Correspondence

From: OCDOnline@state.nm.us
To: Stuart Hyde
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 448097
Date: Wednesday, April 2, 2025 1:11:12 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#) nAPP2508333359.

The sampling event is expected to take place:

When: 04/09/2025 @ 09:00
Where: B-08-27N-04W 230 FNL 2280 FEL (36.594299,-107.272398)

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

Additional Instructions: San Juan 27-4 #95N (36.594299, -107.272398) 30-039-30521. Hand auger delineation, number of samples is estimated.

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

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

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

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

From: OCDOnline@state.nm.us
To: Stuart Hyde
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 465182
Date: Tuesday, May 20, 2025 9:47:11 AM

[**EXTERNAL EMAIL**]

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

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2508333359.

The sampling event is expected to take place:

When: 05/27/2025 @ 08:30
Where: B-08-27N-04W 230 FNL 2280 FEL (36.594299,-107.272398)

Additional Information: Stuart Hyde, 970-903-1607

Additional Instructions: Hilcorp San Juan 27-4 #95N, coordinates 36.594299, -107.272398

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

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

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

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

From: OCDOnline@state.nm.us
To: Stuart Hyde
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 469077
Date: Thursday, May 29, 2025 3:37:41 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#) nAPP2508333359.

The sampling event is expected to take place:

When: 05/30/2025 @ 09:30
Where: B-08-27N-04W 230 FNL 2280 FEL (36.594299,-107.272398)

Additional Information: Stuart Hyde, 970-903-1607

A variance to 19.15.29.12(D)(1)(a) NMAC was approved by Brittany Hall on 5/29/2025 to sample on 5/30/2025.

Additional Instructions: Hilcorp San Juan 27-4 #95N, coordinates 36.594299, -107.272398

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

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

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

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

From: Hall, Brittany, EMNRD
To: Stuart Hyde
Cc: Kate Kaufman; Wes Weichert; Enviro, OCD, EMNRD; Wells, Shelly, EMNRD
Subject: RE: [EXTERNAL] nAPP2508333359 Hilcorp San Juan 27-4 #95N - Sampling Notification Variance Request
Date: Thursday, May 29, 2025 3:32:34 PM
Attachments: image001.png
image002.png
image003.png

[**EXTERNAL EMAIL**]

Stuart,

The variance request is approved. Please be advised that if additional soils must be remediated/removed the notification should include the estimated time that samples will be collected after those soils are removed. For example, if crews will be onsite at 8:00 AM and it is estimated that it will take approximately 2 hours to excavate, the sampling notification should be submitted for 10 AM.

A C-141N must be submitted. Please include in one of the free text boxes that a variance was approved.

Please also include a copy of this email correspondence in the next C-141 report submittal.

Thank you,
Brittany Hall ● Environmental Field Compliance Supervisor
Environmental Field Compliance Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.517.5333 | Brittany.Hall@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd/

Effective 12/1/2024: OCD has updated guidance on karst potential occurrence zones. This notice can be found at: https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/ under “2024 OCD ANNOUNCEMENTS AND NOTIFICATIONS”.

The Digital C-141 guidance documents can be found at https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/ or https://www.emnrd.nm.gov/ocd/ocd-forms/.

From: Stuart Hyde <shyde@ensolum.com>
Sent: Thursday, May 29, 2025 3:22 PM
To: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>
Cc: Kate Kaufman <kkaufman@hilcorp.com>; Wes Weichert <wweichert@ensolum.com>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Subject: [EXTERNAL] nAPP2508333359 Hilcorp San Juan 27-4 #95N - Sampling Notification Variance

Request

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

Brittany,

Thanks for the call. We are requesting a variance of the 2-business day sampling notification requirement set forth in 19.15.29.12(D)(1)(a) in order to continue excavation and confirmation sampling activities at the San Juan 27-4 #95N site (36.594299, -107.272398). The initial excavation efforts began on 5/27/2025 and one result came back slightly above the reclamation requirement. As such, we plan to remove additional soil in this area and resample.

Please reach out with any questions or concerns.

Stuart Hyde, PG
(Licensed in TX, WA, & WY)
Senior Managing Geologist
970-903-1607
Ensolum, LLC

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

From: Wells, Shelly, EMNRD
To: Stuart Hyde
Cc: Kate Kaufman; Wes Weichert; Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] nAPP2508333359 - Hilcorp San Juan 27-4 #95N Extension Request
Date: Tuesday, June 17, 2025 8:44:16 AM
Attachments: image001.png
image002.png
image003.png

[**EXTERNAL EMAIL**]

Good morning Stuart,

The extension request for NAPP2508333359 SAN JUAN 27-4 #95N is approved. The new due date to submit your updated remediation plan or closure report to the OCD is June 30, 2025. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Kind regards,

Shelly

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

From: Stuart Hyde <shyde@ensolum.com>
Sent: Monday, June 16, 2025 4:55 PM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: Kate Kaufman <kkaufman@hilcorp.com>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Wes Weichert <wweichert@ensolum.com>
Subject: [EXTERNAL] nAPP2508333359 - Hilcorp San Juan 27-4 #95N Extension Request

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

Shelly,

On behalf of Hilcorp Energy Company, we are requesting a 14-day extension to the reporting

deadline for the San Juan 27-4 #95N site. The site has been remediated and we are finalizing the closure report now. Attached is the table and figure showing sampling data and locations for your review. Please let us know if you have any questions. Thanks and have a good evening.

Stuart Hyde, PG
(Licensed in TX, WA, & WY)
Senior Managing Geologist
970-903-1607
Ensolum, LLC

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

ENSOLUM

APPENDIX C

Laboratory Analytical Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/18/2025 3:08:52 PM

JOB DESCRIPTION

San Juan 27-4 #95N

JOB NUMBER

885-22959-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated
4/18/2025 3:08:52 PM

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

Client: Hilcorp Energy
Project/Site: San Juan 27-4 #95N

Laboratory Job ID: 885-22959-1

Table of Contents

Definitions/Glossary

Client: Hilcorp Energy Job ID: 885-22959-1
Project/Site: San Juan 27-4 #95N

Qualifiers

GC VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

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

Case Narrative

Client: Hilcorp Energy
Project: San Juan 27-4 #95N

Job ID: 885-22959-1

Job ID: 885-22959-1 Eurofins Albuquerque

Job Narrative
885-22959-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/10/2025 6:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.9°C.

Gasoline Range Organics
Method 8015D_GRO: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 885-24167 and analytical batch 885-24273 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015D_GRO: Surrogate recovery for the following samples were outside control limits: (885-22959-A-1-B MS) and (885-22959-A-1-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: HA01@2' (885-22959-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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

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

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 27-4 #95N

Job ID: 885-22959-1

Client Sample ID: HA01@2'

Date Collected: 04/09/25 09:48
Date Received: 04/10/25 06:10

Lab Sample ID: 885-22959-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	1500		50		mg/Kg		04/13/25 13:53	04/15/25 11:03	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*237*		*35 - 166*	*04/13/25 13:53*	*04/15/25 11:03*	*10*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.36		0.25		mg/Kg		04/13/25 13:53	04/15/25 11:03	10
Ethylbenzene	8.8		0.50		mg/Kg		04/13/25 13:53	04/15/25 11:03	10
Toluene	21		0.50		mg/Kg		04/13/25 13:53	04/15/25 11:03	10
Xylenes, Total	110		1.0		mg/Kg		04/13/25 13:53	04/15/25 11:03	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*202*	*S1+*	*48 - 145*	*04/13/25 13:53*	*04/15/25 11:03*	*10*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	100		9.3		mg/Kg		04/14/25 10:12	04/14/25 15:52	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		04/14/25 10:12	04/14/25 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*118*		*62 - 134*	*04/14/25 10:12*	*04/14/25 15:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	91		60		mg/Kg		04/14/25 13:54	04/14/25 19:53	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 27-4 #95N

Job ID: 885-22959-1

Client Sample ID: HA01@6'

Date Collected: 04/09/25 10:11
Date Received: 04/10/25 06:10

Lab Sample ID: 885-22959-2

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0		mg/Kg		04/13/25 13:53	04/15/25 12:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*35 - 166*	*04/13/25 13:53*	*04/15/25 12:34*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		04/13/25 13:53	04/15/25 12:34	1
Ethylbenzene	ND		0.050		mg/Kg		04/13/25 13:53	04/15/25 12:34	1
Toluene	**0.11**		0.050		mg/Kg		04/13/25 13:53	04/15/25 12:34	1
Xylenes, Total	**0.53**		0.10		mg/Kg		04/13/25 13:53	04/15/25 12:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*48 - 145*	*04/13/25 13:53*	*04/15/25 12:34*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9		mg/Kg		04/14/25 10:12	04/14/25 16:15	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		04/14/25 10:12	04/14/25 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*116*		*62 - 134*	*04/14/25 10:12*	*04/14/25 16:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		04/14/25 13:54	04/14/25 20:03	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 27-4 #95N

Job ID: 885-22959-1

Client Sample ID: HA02@0-6'

Date Collected: 04/09/25 10:34
Date Received: 04/10/25 06:10

Lab Sample ID: 885-22959-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7		mg/Kg		04/13/25 13:53	04/14/25 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*35 - 166*	*04/13/25 13:53*	*04/14/25 16:04*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		04/13/25 13:53	04/14/25 16:04	1
Ethylbenzene	ND		0.047		mg/Kg		04/13/25 13:53	04/14/25 16:04	1
Toluene	ND		0.047		mg/Kg		04/13/25 13:53	04/14/25 16:04	1
Xylenes, Total	ND		0.093		mg/Kg		04/13/25 13:53	04/14/25 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*48 - 145*	*04/13/25 13:53*	*04/14/25 16:04*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		04/14/25 10:12	04/14/25 16:39	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		04/14/25 10:12	04/14/25 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*112*		*62 - 134*	*04/14/25 10:12*	*04/14/25 16:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		59		mg/Kg		04/14/25 13:54	04/14/25 20:14	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 27-4 #95N

Job ID: 885-22959-1

Client Sample ID: HA02@6'

Date Collected: 04/09/25 10:44
Date Received: 04/10/25 06:10

Lab Sample ID: 885-22959-4

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9		mg/Kg		04/13/25 13:53	04/14/25 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*35 - 166*	*04/13/25 13:53*	*04/14/25 16:26*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		04/13/25 13:53	04/14/25 16:26	1
Ethylbenzene	ND		0.049		mg/Kg		04/13/25 13:53	04/14/25 16:26	1
Toluene	ND		0.049		mg/Kg		04/13/25 13:53	04/14/25 16:26	1
Xylenes, Total	ND		0.098		mg/Kg		04/13/25 13:53	04/14/25 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*48 - 145*	*04/13/25 13:53*	*04/14/25 16:26*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4		mg/Kg		04/14/25 10:12	04/14/25 17:26	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		04/14/25 10:12	04/14/25 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*110*		*62 - 134*	*04/14/25 10:12*	*04/14/25 17:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		04/14/25 13:54	04/14/25 20:24	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 27-4 #95N

Job ID: 885-22959-1

Client Sample ID: HA03@0-6'

Date Collected: 04/09/25 10:53
Date Received: 04/10/25 06:10

Lab Sample ID: 885-22959-5

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8		mg/Kg		04/13/25 13:53	04/14/25 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*35 - 166*	*04/13/25 13:53*	*04/14/25 16:48*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		04/13/25 13:53	04/14/25 16:48	1
Ethylbenzene	ND		0.048		mg/Kg		04/13/25 13:53	04/14/25 16:48	1
Toluene	ND		0.048		mg/Kg		04/13/25 13:53	04/14/25 16:48	1
Xylenes, Total	ND		0.096		mg/Kg		04/13/25 13:53	04/14/25 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*48 - 145*	*04/13/25 13:53*	*04/14/25 16:48*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4		mg/Kg		04/14/25 10:12	04/14/25 17:50	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		04/14/25 10:12	04/14/25 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*115*		*62 - 134*	*04/14/25 10:12*	*04/14/25 17:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		04/14/25 13:54	04/14/25 20:34	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 27-4 #95N

Job ID: 885-22959-1

Client Sample ID: HA03@6'

Date Collected: 04/09/25 11:02
Date Received: 04/10/25 06:10

Lab Sample ID: 885-22959-6

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8		mg/Kg		04/13/25 13:53	04/14/25 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*35 - 166*	*04/13/25 13:53*	*04/14/25 17:10*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		04/13/25 13:53	04/14/25 17:10	1
Ethylbenzene	ND		0.048		mg/Kg		04/13/25 13:53	04/14/25 17:10	1
Toluene	ND		0.048		mg/Kg		04/13/25 13:53	04/14/25 17:10	1
Xylenes, Total	ND		0.097		mg/Kg		04/13/25 13:53	04/14/25 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*48 - 145*	*04/13/25 13:53*	*04/14/25 17:10*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		04/14/25 10:12	04/14/25 18:13	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		04/14/25 10:12	04/14/25 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*109*		*62 - 134*	*04/14/25 10:12*	*04/14/25 18:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		04/14/25 13:54	04/14/25 20:45	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 27-4 #95N

Job ID: 885-22959-1

Client Sample ID: HA04@0-6'

Date Collected: 04/09/25 11:24
Date Received: 04/10/25 06:10

Lab Sample ID: 885-22959-7

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0		mg/Kg		04/13/25 13:53	04/14/25 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*35 - 166*	*04/13/25 13:53*	*04/14/25 17:32*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		04/13/25 13:53	04/14/25 17:32	1
Ethylbenzene	ND		0.050		mg/Kg		04/13/25 13:53	04/14/25 17:32	1
Toluene	ND		0.050		mg/Kg		04/13/25 13:53	04/14/25 17:32	1
Xylenes, Total	ND		0.10		mg/Kg		04/13/25 13:53	04/14/25 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*48 - 145*	*04/13/25 13:53*	*04/14/25 17:32*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9		mg/Kg		04/14/25 10:12	04/14/25 18:37	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		04/14/25 10:12	04/14/25 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*110*		*62 - 134*	*04/14/25 10:12*	*04/14/25 18:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		04/14/25 13:54	04/14/25 21:16	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 27-4 #95N

Job ID: 885-22959-1

Client Sample ID: HA04@6'

Date Collected: 04/09/25 11:33
Date Received: 04/10/25 06:10

Lab Sample ID: 885-22959-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0		mg/Kg		04/13/25 13:53	04/14/25 17:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*35 - 166*	*04/13/25 13:53*	*04/14/25 17:53*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		04/13/25 13:53	04/14/25 17:53	1
Ethylbenzene	ND		0.050		mg/Kg		04/13/25 13:53	04/14/25 17:53	1
Toluene	ND		0.050		mg/Kg		04/13/25 13:53	04/14/25 17:53	1
Xylenes, Total	ND		0.10		mg/Kg		04/13/25 13:53	04/14/25 17:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*48 - 145*	*04/13/25 13:53*	*04/14/25 17:53*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7		mg/Kg		04/14/25 10:12	04/14/25 19:01	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		04/14/25 10:12	04/14/25 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*111*		*62 - 134*	*04/14/25 10:12*	*04/14/25 19:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		04/14/25 13:54	04/14/25 21:26	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 27-4 #95N

Job ID: 885-22959-1

Client Sample ID: HA05@4'

Date Collected: 04/09/25 11:45
Date Received: 04/10/25 06:10

Lab Sample ID: 885-22959-9

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8		mg/Kg		04/13/25 13:53	04/14/25 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*35 - 166*	*04/13/25 13:53*	*04/14/25 18:15*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		04/13/25 13:53	04/14/25 18:15	1
Ethylbenzene	ND		0.048		mg/Kg		04/13/25 13:53	04/14/25 18:15	1
Toluene	ND		0.048		mg/Kg		04/13/25 13:53	04/14/25 18:15	1
Xylenes, Total	ND		0.096		mg/Kg		04/13/25 13:53	04/14/25 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*48 - 145*	*04/13/25 13:53*	*04/14/25 18:15*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8		mg/Kg		04/14/25 10:12	04/14/25 19:25	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		04/14/25 10:12	04/14/25 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*115*		*62 - 134*	*04/14/25 10:12*	*04/14/25 19:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		04/14/25 13:54	04/14/25 21:36	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 27-4 #95N

Job ID: 885-22959-1

Client Sample ID: HA05@6'

Date Collected: 04/09/25 11:48
Date Received: 04/10/25 06:10

Lab Sample ID: 885-22959-10

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8		mg/Kg		04/13/25 13:53	04/14/25 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*35 - 166*	*04/13/25 13:53*	*04/14/25 18:37*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		04/13/25 13:53	04/14/25 18:37	1
Ethylbenzene	ND		0.048		mg/Kg		04/13/25 13:53	04/14/25 18:37	1
Toluene	ND		0.048		mg/Kg		04/13/25 13:53	04/14/25 18:37	1
Xylenes, Total	ND		0.096		mg/Kg		04/13/25 13:53	04/14/25 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*48 - 145*	*04/13/25 13:53*	*04/14/25 18:37*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5		mg/Kg		04/14/25 10:12	04/14/25 19:49	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		04/14/25 10:12	04/14/25 19:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*115*		*62 - 134*	*04/14/25 10:12*	*04/14/25 19:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		04/14/25 13:54	04/14/25 21:47	20

QC Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 27-4 #95N

Job ID: 885-22959-1

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

Lab Sample ID: MB 885-24167/1-A
Matrix: Solid
Analysis Batch: 24205

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 24167

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0		mg/Kg		04/13/25 13:53	04/14/25 13:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*35 - 166*	*04/13/25 13:53*	*04/14/25 13:31*	*1*

Lab Sample ID: LCS 885-24167/2-A
Matrix: Solid
Analysis Batch: 24205

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 24167

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]			25.0	27.4		mg/Kg		110	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*213*		*35 - 166*

Lab Sample ID: 885-22959-1 MS
Matrix: Solid
Analysis Batch: 24273

Client Sample ID: HA01@2'
Prep Type: Total/NA
Prep Batch: 24167

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]	1500		24.9	2510	4	mg/Kg		3998	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*288*	*S1+*	*35 - 166*

Lab Sample ID: 885-22959-1 MSD
Matrix: Solid
Analysis Batch: 24273

Client Sample ID: HA01@2'
Prep Type: Total/NA
Prep Batch: 24167

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	1500		25.0	2260	4	mg/Kg		3010	70 - 130	10	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*284*	*S1+*	*35 - 166*

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-24167/1-A
Matrix: Solid
Analysis Batch: 24206

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 24167

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		04/13/25 13:53	04/14/25 13:31	1
Ethylbenzene	ND		0.050		mg/Kg		04/13/25 13:53	04/14/25 13:31	1
Toluene	ND		0.050		mg/Kg		04/13/25 13:53	04/14/25 13:31	1

QC Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 27-4 #95N

Job ID: 885-22959-1

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

Lab Sample ID: MB 885-24167/1-A
Matrix: Solid
Analysis Batch: 24206

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 24167

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.10		mg/Kg		04/13/25 13:53	04/14/25 13:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*48 - 145*	*04/13/25 13:53*	*04/14/25 13:31*	*1*

Lab Sample ID: LCS 885-24167/3-A
Matrix: Solid
Analysis Batch: 24206

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 24167

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			1.00	0.951		mg/Kg		95	70 - 130		
Ethylbenzene			1.00	0.988		mg/Kg		99	70 - 130		
m&p-Xylene			2.00	2.02		mg/Kg		101	70 - 130		
o-Xylene			1.00	1.00		mg/Kg		100	70 - 130		
Toluene			1.00	0.965		mg/Kg		97	70 - 130		
Xylenes, Total			3.00	3.02		mg/Kg		101	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*48 - 145*

Lab Sample ID: 885-22959-2 MS
Matrix: Solid
Analysis Batch: 24206

Client Sample ID: HA01@6'
Prep Type: Total/NA
Prep Batch: 24167

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		0.994	0.962		mg/Kg		97	70 - 130		
Ethylbenzene	ND		0.994	1.04		mg/Kg		101	70 - 130		
m&p-Xylene	0.43		1.99	2.45		mg/Kg		102	70 - 130		
o-Xylene	0.098		0.994	1.11		mg/Kg		102	70 - 130		
Toluene	0.11		0.994	1.10		mg/Kg		99	70 - 130		
Xylenes, Total	0.53		2.98	3.56		mg/Kg		102	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*48 - 145*

Lab Sample ID: 885-22959-2 MSD
Matrix: Solid
Analysis Batch: 24206

Client Sample ID: HA01@6'
Prep Type: Total/NA
Prep Batch: 24167

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.995	0.977		mg/Kg		98	70 - 130	2	20
Ethylbenzene	0.18		0.995	1.06		mg/Kg		88	70 - 130	2	20
m&p-Xylene	1.4	F1	1.99	2.42		mg/Kg		52	70 - 130	1	20
o-Xylene	0.30		0.995	1.12		mg/Kg		82	70 - 130	0	20
Toluene	0.33		0.995	1.10		mg/Kg		78	70 - 130	1	20
Xylenes, Total	1.7	F1	2.99	3.54		mg/Kg		62	70 - 130	1	20

QC Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 27-4 #95N

Job ID: 885-22959-1

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

Lab Sample ID: 885-22959-2 MSD
Matrix: Solid
Analysis Batch: 24206

Client Sample ID: HA01@6'
Prep Type: Total/NA
Prep Batch: 24167

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		48 - 145

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

Lab Sample ID: MB 885-24188/1-A
Matrix: Solid
Analysis Batch: 24178

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 24188

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		04/14/25 09:46	04/14/25 10:54	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		04/14/25 09:46	04/14/25 10:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	115		62 - 134	04/14/25 09:46	04/14/25 10:54	1

Lab Sample ID: LCS 885-24188/2-A
Matrix: Solid
Analysis Batch: 24178

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 24188

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			50.0	41.6		mg/Kg		83	60 - 135		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	82		62 - 134

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-24225/1-A
Matrix: Solid
Analysis Batch: 24228

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 24225

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.5		mg/Kg		04/14/25 13:54	04/14/25 15:03	1

Lab Sample ID: LCS 885-24225/3-A
Matrix: Solid
Analysis Batch: 24228

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 24225

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			15.0	14.3		mg/Kg		96	90 - 110		

Lab Sample ID: LLCS 885-24225/2-A
Matrix: Solid
Analysis Batch: 24228

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 24225

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			1.50	ND		mg/Kg		99	50 - 150		

QC Association Summary

Client: Hilcorp Energy
Job ID: 885-22959-1
Project/Site: San Juan 27-4 #95N

GC VOA

Prep Batch: 24167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22959-1	HA01@2'	Total/NA	Solid	5030C	
885-22959-2	HA01@6'	Total/NA	Solid	5030C	
885-22959-3	HA02@0-6'	Total/NA	Solid	5030C	
885-22959-4	HA02@6'	Total/NA	Solid	5030C	
885-22959-5	HA03@0-6'	Total/NA	Solid	5030C	
885-22959-6	HA03@6'	Total/NA	Solid	5030C	
885-22959-7	HA04@0-6'	Total/NA	Solid	5030C	
885-22959-8	HA04@6'	Total/NA	Solid	5030C	
885-22959-9	HA05@4'	Total/NA	Solid	5030C	
885-22959-10	HA05@6'	Total/NA	Solid	5030C	
MB 885-24167/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-24167/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-24167/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-22959-1 MS	HA01@2'	Total/NA	Solid	5030C	
885-22959-1 MSD	HA01@2'	Total/NA	Solid	5030C	
885-22959-2 MS	HA01@6'	Total/NA	Solid	5030C	
885-22959-2 MSD	HA01@6'	Total/NA	Solid	5030C	

Analysis Batch: 24205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22959-3	HA02@0-6'	Total/NA	Solid	8015M/D	24167
885-22959-4	HA02@6'	Total/NA	Solid	8015M/D	24167
885-22959-5	HA03@0-6'	Total/NA	Solid	8015M/D	24167
885-22959-6	HA03@6'	Total/NA	Solid	8015M/D	24167
885-22959-7	HA04@0-6'	Total/NA	Solid	8015M/D	24167
885-22959-8	HA04@6'	Total/NA	Solid	8015M/D	24167
885-22959-9	HA05@4'	Total/NA	Solid	8015M/D	24167
885-22959-10	HA05@6'	Total/NA	Solid	8015M/D	24167
MB 885-24167/1-A	Method Blank	Total/NA	Solid	8015M/D	24167
LCS 885-24167/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	24167

Analysis Batch: 24206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22959-3	HA02@0-6'	Total/NA	Solid	8021B	24167
885-22959-4	HA02@6'	Total/NA	Solid	8021B	24167
885-22959-5	HA03@0-6'	Total/NA	Solid	8021B	24167
885-22959-6	HA03@6'	Total/NA	Solid	8021B	24167
885-22959-7	HA04@0-6'	Total/NA	Solid	8021B	24167
885-22959-8	HA04@6'	Total/NA	Solid	8021B	24167
885-22959-9	HA05@4'	Total/NA	Solid	8021B	24167
885-22959-10	HA05@6'	Total/NA	Solid	8021B	24167
MB 885-24167/1-A	Method Blank	Total/NA	Solid	8021B	24167
LCS 885-24167/3-A	Lab Control Sample	Total/NA	Solid	8021B	24167
885-22959-2 MS	HA01@6'	Total/NA	Solid	8021B	24167
885-22959-2 MSD	HA01@6'	Total/NA	Solid	8021B	24167

Analysis Batch: 24273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22959-1	HA01@2'	Total/NA	Solid	8015M/D	24167
885-22959-2	HA01@6'	Total/NA	Solid	8015M/D	24167
885-22959-1 MS	HA01@2'	Total/NA	Solid	8015M/D	24167

QC Association Summary

Client: Hilcorp Energy
Job ID: 885-22959-1
Project/Site: San Juan 27-4 #95N

GC VOA (Continued)

Analysis Batch: 24273 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22959-1 MSD	HA01@2'	Total/NA	Solid	8015M/D	24167

Analysis Batch: 24274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22959-1	HA01@2'	Total/NA	Solid	8021B	24167
885-22959-2	HA01@6'	Total/NA	Solid	8021B	24167

GC Semi VOA

Analysis Batch: 24178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22959-1	HA01@2'	Total/NA	Solid	8015M/D	24188
885-22959-2	HA01@6'	Total/NA	Solid	8015M/D	24188
885-22959-3	HA02@0-6'	Total/NA	Solid	8015M/D	24188
885-22959-4	HA02@6'	Total/NA	Solid	8015M/D	24188
885-22959-5	HA03@0-6'	Total/NA	Solid	8015M/D	24188
885-22959-6	HA03@6'	Total/NA	Solid	8015M/D	24188
885-22959-7	HA04@0-6'	Total/NA	Solid	8015M/D	24188
885-22959-8	HA04@6'	Total/NA	Solid	8015M/D	24188
885-22959-9	HA05@4'	Total/NA	Solid	8015M/D	24188
885-22959-10	HA05@6'	Total/NA	Solid	8015M/D	24188
MB 885-24188/1-A	Method Blank	Total/NA	Solid	8015M/D	24188
LCS 885-24188/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	24188

Prep Batch: 24188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22959-1	HA01@2'	Total/NA	Solid	SHAKE	
885-22959-2	HA01@6'	Total/NA	Solid	SHAKE	
885-22959-3	HA02@0-6'	Total/NA	Solid	SHAKE	
885-22959-4	HA02@6'	Total/NA	Solid	SHAKE	
885-22959-5	HA03@0-6'	Total/NA	Solid	SHAKE	
885-22959-6	HA03@6'	Total/NA	Solid	SHAKE	
885-22959-7	HA04@0-6'	Total/NA	Solid	SHAKE	
885-22959-8	HA04@6'	Total/NA	Solid	SHAKE	
885-22959-9	HA05@4'	Total/NA	Solid	SHAKE	
885-22959-10	HA05@6'	Total/NA	Solid	SHAKE	
MB 885-24188/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-24188/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

HPLC/IC

Prep Batch: 24225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22959-1	HA01@2'	Total/NA	Solid	300_Prep	
885-22959-2	HA01@6'	Total/NA	Solid	300_Prep	
885-22959-3	HA02@0-6'	Total/NA	Solid	300_Prep	
885-22959-4	HA02@6'	Total/NA	Solid	300_Prep	
885-22959-5	HA03@0-6'	Total/NA	Solid	300_Prep	
885-22959-6	HA03@6'	Total/NA	Solid	300_Prep	
885-22959-7	HA04@0-6'	Total/NA	Solid	300_Prep	
885-22959-8	HA04@6'	Total/NA	Solid	300_Prep	
885-22959-9	HA05@4'	Total/NA	Solid	300_Prep	

QC Association Summary

Client: Hilcorp Energy
Job ID: 885-22959-1
Project/Site: San Juan 27-4 #95N

HPLC/IC (Continued)

Prep Batch: 24225 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22959-10	HA05@6'	Total/NA	Solid	300_Prep	
MB 885-24225/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-24225/3-A	Lab Control Sample	Total/NA	Solid	300_Prep	
LLCS 885-24225/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 24228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22959-1	HA01@2'	Total/NA	Solid	300.0	24225
885-22959-2	HA01@6'	Total/NA	Solid	300.0	24225
885-22959-3	HA02@0-6'	Total/NA	Solid	300.0	24225
885-22959-4	HA02@6'	Total/NA	Solid	300.0	24225
885-22959-5	HA03@0-6'	Total/NA	Solid	300.0	24225
885-22959-6	HA03@6'	Total/NA	Solid	300.0	24225
885-22959-7	HA04@0-6'	Total/NA	Solid	300.0	24225
885-22959-8	HA04@6'	Total/NA	Solid	300.0	24225
885-22959-9	HA05@4'	Total/NA	Solid	300.0	24225
885-22959-10	HA05@6'	Total/NA	Solid	300.0	24225
MB 885-24225/1-A	Method Blank	Total/NA	Solid	300.0	24225
LCS 885-24225/3-A	Lab Control Sample	Total/NA	Solid	300.0	24225
LLCS 885-24225/2-A	Lab Control Sample	Total/NA	Solid	300.0	24225

Lab Chronicle

Client: Hilcorp Energy
Job ID: 885-22959-1
Project/Site: San Juan 27-4 #95N

Client Sample ID: HA01@2'
Lab Sample ID: 885-22959-1
Date Collected: 04/09/25 09:48
Matrix: Solid
Date Received: 04/10/25 06:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24167	AT	EET ALB	04/13/25 13:53
Total/NA	Analysis	8015M/D		10	24273	AT	EET ALB	04/15/25 11:03
Total/NA	Prep	5030C			24167	AT	EET ALB	04/13/25 13:53
Total/NA	Analysis	8021B		10	24274	AT	EET ALB	04/15/25 11:03
Total/NA	Prep	SHAKE			24188	MI	EET ALB	04/14/25 10:12
Total/NA	Analysis	8015M/D		1	24178	MI	EET ALB	04/14/25 15:52
Total/NA	Prep	300_Prep			24225	DL	EET ALB	04/14/25 13:54
Total/NA	Analysis	300.0		20	24228	DL	EET ALB	04/14/25 19:53

Client Sample ID: HA01@6'
Lab Sample ID: 885-22959-2
Date Collected: 04/09/25 10:11
Matrix: Solid
Date Received: 04/10/25 06:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24167	AT	EET ALB	04/13/25 13:53
Total/NA	Analysis	8015M/D		1	24273	AT	EET ALB	04/15/25 12:34
Total/NA	Prep	5030C			24167	AT	EET ALB	04/13/25 13:53
Total/NA	Analysis	8021B		1	24274	AT	EET ALB	04/15/25 12:34
Total/NA	Prep	SHAKE			24188	MI	EET ALB	04/14/25 10:12
Total/NA	Analysis	8015M/D		1	24178	MI	EET ALB	04/14/25 16:15
Total/NA	Prep	300_Prep			24225	DL	EET ALB	04/14/25 13:54
Total/NA	Analysis	300.0		20	24228	DL	EET ALB	04/14/25 20:03

Client Sample ID: HA02@0-6'
Lab Sample ID: 885-22959-3
Date Collected: 04/09/25 10:34
Matrix: Solid
Date Received: 04/10/25 06:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24167	AT	EET ALB	04/13/25 13:53
Total/NA	Analysis	8015M/D		1	24205	AT	EET ALB	04/14/25 16:04
Total/NA	Prep	5030C			24167	AT	EET ALB	04/13/25 13:53
Total/NA	Analysis	8021B		1	24206	AT	EET ALB	04/14/25 16:04
Total/NA	Prep	SHAKE			24188	MI	EET ALB	04/14/25 10:12
Total/NA	Analysis	8015M/D		1	24178	MI	EET ALB	04/14/25 16:39
Total/NA	Prep	300_Prep			24225	DL	EET ALB	04/14/25 13:54
Total/NA	Analysis	300.0		20	24228	DL	EET ALB	04/14/25 20:14

Client Sample ID: HA02@6'
Lab Sample ID: 885-22959-4
Date Collected: 04/09/25 10:44
Matrix: Solid
Date Received: 04/10/25 06:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24167	AT	EET ALB	04/13/25 13:53
Total/NA	Analysis	8015M/D		1	24205	AT	EET ALB	04/14/25 16:26

Lab Chronicle

Client: Hilcorp Energy
Job ID: 885-22959-1
Project/Site: San Juan 27-4 #95N

Client Sample ID: HA02@6'
Lab Sample ID: 885-22959-4
Date Collected: 04/09/25 10:44
Matrix: Solid
Date Received: 04/10/25 06:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24167	AT	EET ALB	04/13/25 13:53
Total/NA	Analysis	8021B		1	24206	AT	EET ALB	04/14/25 16:26
Total/NA	Prep	SHAKE			24188	MI	EET ALB	04/14/25 10:12
Total/NA	Analysis	8015M/D		1	24178	MI	EET ALB	04/14/25 17:26
Total/NA	Prep	300_Prep			24225	DL	EET ALB	04/14/25 13:54
Total/NA	Analysis	300.0		20	24228	DL	EET ALB	04/14/25 20:24

Client Sample ID: HA03@0-6'
Lab Sample ID: 885-22959-5
Date Collected: 04/09/25 10:53
Matrix: Solid
Date Received: 04/10/25 06:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24167	AT	EET ALB	04/13/25 13:53
Total/NA	Analysis	8015M/D		1	24205	AT	EET ALB	04/14/25 16:48
Total/NA	Prep	5030C			24167	AT	EET ALB	04/13/25 13:53
Total/NA	Analysis	8021B		1	24206	AT	EET ALB	04/14/25 16:48
Total/NA	Prep	SHAKE			24188	MI	EET ALB	04/14/25 10:12
Total/NA	Analysis	8015M/D		1	24178	MI	EET ALB	04/14/25 17:50
Total/NA	Prep	300_Prep			24225	DL	EET ALB	04/14/25 13:54
Total/NA	Analysis	300.0		20	24228	DL	EET ALB	04/14/25 20:34

Client Sample ID: HA03@6'
Lab Sample ID: 885-22959-6
Date Collected: 04/09/25 11:02
Matrix: Solid
Date Received: 04/10/25 06:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24167	AT	EET ALB	04/13/25 13:53
Total/NA	Analysis	8015M/D		1	24205	AT	EET ALB	04/14/25 17:10
Total/NA	Prep	5030C			24167	AT	EET ALB	04/13/25 13:53
Total/NA	Analysis	8021B		1	24206	AT	EET ALB	04/14/25 17:10
Total/NA	Prep	SHAKE			24188	MI	EET ALB	04/14/25 10:12
Total/NA	Analysis	8015M/D		1	24178	MI	EET ALB	04/14/25 18:13
Total/NA	Prep	300_Prep			24225	DL	EET ALB	04/14/25 13:54
Total/NA	Analysis	300.0		20	24228	DL	EET ALB	04/14/25 20:45

Client Sample ID: HA04@0-6'
Lab Sample ID: 885-22959-7
Date Collected: 04/09/25 11:24
Matrix: Solid
Date Received: 04/10/25 06:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24167	AT	EET ALB	04/13/25 13:53
Total/NA	Analysis	8015M/D		1	24205	AT	EET ALB	04/14/25 17:32
Total/NA	Prep	5030C			24167	AT	EET ALB	04/13/25 13:53
Total/NA	Analysis	8021B		1	24206	AT	EET ALB	04/14/25 17:32

Lab Chronicle

Client: Hilcorp Energy
Job ID: 885-22959-1
Project/Site: San Juan 27-4 #95N

Client Sample ID: HA04@0-6'
Lab Sample ID: 885-22959-7
Date Collected: 04/09/25 11:24
Matrix: Solid
Date Received: 04/10/25 06:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			24188	MI	EET ALB	04/14/25 10:12
Total/NA	Analysis	8015M/D		1	24178	MI	EET ALB	04/14/25 18:37
Total/NA	Prep	300_Prep			24225	DL	EET ALB	04/14/25 13:54
Total/NA	Analysis	300.0		20	24228	DL	EET ALB	04/14/25 21:16

Client Sample ID: HA04@6'
Lab Sample ID: 885-22959-8
Date Collected: 04/09/25 11:33
Matrix: Solid
Date Received: 04/10/25 06:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24167	AT	EET ALB	04/13/25 13:53
Total/NA	Analysis	8015M/D		1	24205	AT	EET ALB	04/14/25 17:53
Total/NA	Prep	5030C			24167	AT	EET ALB	04/13/25 13:53
Total/NA	Analysis	8021B		1	24206	AT	EET ALB	04/14/25 17:53
Total/NA	Prep	SHAKE			24188	MI	EET ALB	04/14/25 10:12
Total/NA	Analysis	8015M/D		1	24178	MI	EET ALB	04/14/25 19:01
Total/NA	Prep	300_Prep			24225	DL	EET ALB	04/14/25 13:54
Total/NA	Analysis	300.0		20	24228	DL	EET ALB	04/14/25 21:26

Client Sample ID: HA05@4'
Lab Sample ID: 885-22959-9
Date Collected: 04/09/25 11:45
Matrix: Solid
Date Received: 04/10/25 06:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24167	AT	EET ALB	04/13/25 13:53
Total/NA	Analysis	8015M/D		1	24205	AT	EET ALB	04/14/25 18:15
Total/NA	Prep	5030C			24167	AT	EET ALB	04/13/25 13:53
Total/NA	Analysis	8021B		1	24206	AT	EET ALB	04/14/25 18:15
Total/NA	Prep	SHAKE			24188	MI	EET ALB	04/14/25 10:12
Total/NA	Analysis	8015M/D		1	24178	MI	EET ALB	04/14/25 19:25
Total/NA	Prep	300_Prep			24225	DL	EET ALB	04/14/25 13:54
Total/NA	Analysis	300.0		20	24228	DL	EET ALB	04/14/25 21:36

Client Sample ID: HA05@6'
Lab Sample ID: 885-22959-10
Date Collected: 04/09/25 11:48
Matrix: Solid
Date Received: 04/10/25 06:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24167	AT	EET ALB	04/13/25 13:53
Total/NA	Analysis	8015M/D		1	24205	AT	EET ALB	04/14/25 18:37
Total/NA	Prep	5030C			24167	AT	EET ALB	04/13/25 13:53
Total/NA	Analysis	8021B		1	24206	AT	EET ALB	04/14/25 18:37
Total/NA	Prep	SHAKE			24188	MI	EET ALB	04/14/25 10:12
Total/NA	Analysis	8015M/D		1	24178	MI	EET ALB	04/14/25 19:49

Lab Chronicle

Client: Hilcorp Energy
Job ID: 885-22959-1
Project/Site: San Juan 27-4 #95N

Client Sample ID: HA05@6'
Lab Sample ID: 885-22959-10
Date Collected: 04/09/25 11:48
Matrix: Solid
Date Received: 04/10/25 06:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			24225	DL	EET ALB	04/14/25 13:54
Total/NA	Analysis	300.0		20	24228	DL	EET ALB	04/14/25 21:47

Laboratory References:

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

Accreditation/Certification Summary

Client: Hilcorp Energy
Job ID: 885-22959-1
Project/Site: San Juan 27-4 #95N

Laboratory: Eurofins Albuquerque

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

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

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0	300_Prep	Solid	Chloride
8015M/D	5030C	Solid	Gasoline Range Organics [C6 - C10]
8015M/D	SHAKE	Solid	Diesel Range Organics [C10-C28]
8015M/D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]
8021B	5030C	Solid	Benzene
8021B	5030C	Solid	Ethylbenzene
8021B	5030C	Solid	Toluene
8021B	5030C	Solid	Xylenes, Total

Oregon	NELAP	NM100001	02-26-26

Chain-of-Custody Record

Client: hilcorp

attn: Kate Kaufman

Mailing Address:

Phone #:

email or Fax#: kkaufman@hilcorp.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☒ Standard 5-day ☐ Rush

Project Name: San Juan 27-4 #95N

Project #:

Project Manager: Stuart Hyde

shyde@ensolum.com

Sampler: Zach Myers

On Ice: ☒ Yes ☐ No cnucky

# of Coolers: 1

Cooler Temp (including CF): 1.7 +0.2 = 1.9 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

885-22959 COC

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX/ ~~MTBE~~ / ~~TMBs~~ (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	(Cl, F, Br, NO_3, NO_2, PO_4, SO_4)	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
4-9	0948	soil	HA01 @ 2'	4oz jar	cool		X	X					X			
	1011		HA01 @ 6'													
	1034		HA02 @ 0-6"													
	1044		HA02 @ 6'													
	1053		HA03 @ 0-6"													
	1102		HA03 @ 6'													
			~~HA03~~													
	1124		HA04 @ 0-6"													
	1133		HA04 @ 6'													
	1145		HA05 @ 4'													
	1148		HA05 @ 6'													

Date	Time	Relinquished by	Received by	Via	Date	Time
4/9/25	1440					
4/9/25	1750			courier	4/10/25	6:10

Remarks:

cc: robert.tarbet@hilcorp.com

zmyers@ensolum.com

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

Login Sample Receipt Checklist

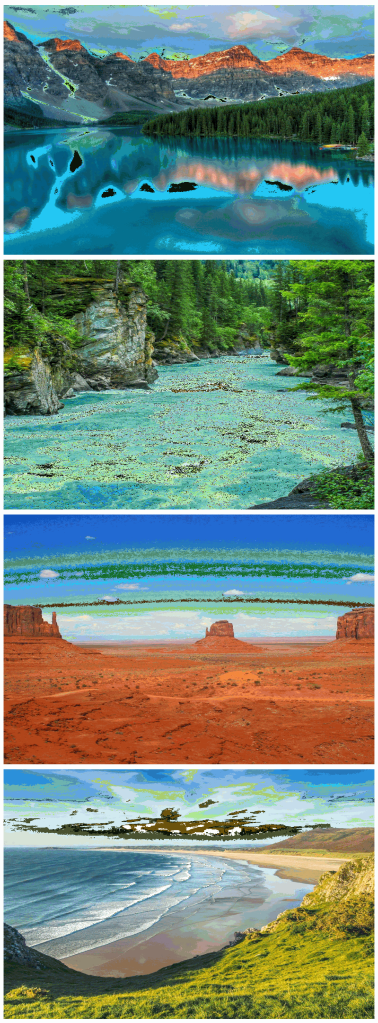
Client: Hilcorp Energy Job Number: 885-22959-1

Login Number: 22959 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Casarrubias, Tracy

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Report to:

Kate Kaufman



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
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Practical Solutions for a Better Tomorrow

Analytical Report

Hilcorp Energy Co

Project Name:	San Juan 27-4 #95N
Work Order:	E505296
Job Number:	17051-0002
Received:	5/27/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/29/25

Date Reported: 5/29/25

Kate Kaufman
PO Box 61529
Houston, TX 77208

Project Name: San Juan 27-4 #95N
Workorder: E505296
Date Received: 5/27/2025 4:40:00PM

Kate Kaufman,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/27/2025 4:40:00PM, under the Project Name: San Juan 27-4 #95N.

The analytical test results summarized in this report with the Project Name: San Juan 27-4 #95N apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Table of Contents

Sample Summary

Hilcorp Energy Co	Project Name:	San Juan 27-4 #95N	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Kate Kaufman	05/29/25 14:58

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01	E505296-01A	Soil	05/27/25	05/27/25	Glass Jar, 4 oz.
FS02	E505296-02A	Soil	05/27/25	05/27/25	Glass Jar, 4 oz.
FS03	E505296-03A	Soil	05/27/25	05/27/25	Glass Jar, 4 oz.
FS04	E505296-04A	Soil	05/27/25	05/27/25	Glass Jar, 4 oz.
FS05	E505296-05A	Soil	05/27/25	05/27/25	Glass Jar, 4 oz.
FS06	E505296-06A	Soil	05/27/25	05/27/25	Glass Jar, 4 oz.
SW01	E505296-07A	Soil	05/27/25	05/27/25	Glass Jar, 4 oz.
SW02	E505296-08A	Soil	05/27/25	05/27/25	Glass Jar, 4 oz.
SW04	E505296-09A	Soil	05/27/25	05/27/25	Glass Jar, 4 oz.
SW05	E505296-10A	Soil	05/27/25	05/27/25	Glass Jar, 4 oz.
SW03	E505296-11A	Soil	05/27/25	05/27/25	Glass Jar, 4 oz.

Sample Data

Hilcorp Energy Co	Project Name:	San Juan 27-4 #95N	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Kate Kaufman	5/29/2025 2:58:07PM

FS01

E505296-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522037
Benzene	ND	0.0250	1	05/28/25	05/28/25	
Ethylbenzene	ND	0.0250	1	05/28/25	05/28/25	
Toluene	ND	0.0250	1	05/28/25	05/28/25	
o-Xylene	ND	0.0250	1	05/28/25	05/28/25	
p,m-Xylene	ND	0.0500	1	05/28/25	05/28/25	
Total Xylenes	ND	0.0250	1	05/28/25	05/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.0 %*	*70-130*	*05/28/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522037
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/28/25	05/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.2 %*	*70-130*	*05/28/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522041
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522035
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Hilcorp Energy Co	Project Name:	San Juan 27-4 #95N	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Kate Kaufman	5/29/2025 2:58:07PM

FS02

E505296-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522037
Benzene	ND	0.0250	1	05/28/25	05/28/25	
Ethylbenzene	ND	0.0250	1	05/28/25	05/28/25	
Toluene	ND	0.0250	1	05/28/25	05/28/25	
o-Xylene	**0.0313**	0.0250	1	05/28/25	05/28/25	
p,m-Xylene	**0.135**	0.0500	1	05/28/25	05/28/25	
Total Xylenes	**0.166**	0.0250	1	05/28/25	05/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.0 %*	*70-130*	*05/28/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522037
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/28/25	05/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*100 %*	*70-130*	*05/28/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522041
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522035
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Hilcorp Energy Co	Project Name:	San Juan 27-4 #95N	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Kate Kaufman	5/29/2025 2:58:07PM

FS03

E505296-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522037
Benzene	ND	0.0250	1	05/28/25	05/28/25	
Ethylbenzene	**0.0407**	0.0250	1	05/28/25	05/28/25	
Toluene	**0.0611**	0.0250	1	05/28/25	05/28/25	
o-Xylene	**0.140**	0.0250	1	05/28/25	05/28/25	
p,m-Xylene	**0.548**	0.0500	1	05/28/25	05/28/25	
Total Xylenes	**0.688**	0.0250	1	05/28/25	05/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.7 %*	*70-130*	*05/28/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522037
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/28/25	05/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*103 %*	*70-130*	*05/28/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522041
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522035
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Hilcorp Energy Co	Project Name:	San Juan 27-4 #95N	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Kate Kaufman	5/29/2025 2:58:07PM

FS04

E505296-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522037
Benzene	ND	0.0250	1	05/28/25	05/28/25	
Ethylbenzene	**0.171**	0.0250	1	05/28/25	05/28/25	
Toluene	**0.278**	0.0250	1	05/28/25	05/28/25	
o-Xylene	**0.551**	0.0250	1	05/28/25	05/28/25	
p,m-Xylene	**2.36**	0.0500	1	05/28/25	05/28/25	
Total Xylenes	**2.91**	0.0250	1	05/28/25	05/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.6 %*	*70-130*	*05/28/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522037
Gasoline Range Organics (C6-C10)	**35.8**	20.0	1	05/28/25	05/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*05/28/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522041
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522035
Chloride	**37.7**	20.0	1	05/28/25	05/28/25	

Sample Data

Hilcorp Energy Co	Project Name:	San Juan 27-4 #95N	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Kate Kaufman	5/29/2025 2:58:07PM

FS05

E505296-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522037
Benzene	ND	0.0250	1	05/28/25	05/28/25	
Ethylbenzene	ND	0.0250	1	05/28/25	05/28/25	
Toluene	ND	0.0250	1	05/28/25	05/28/25	
o-Xylene	**0.0373**	0.0250	1	05/28/25	05/28/25	
p,m-Xylene	**0.0907**	0.0500	1	05/28/25	05/28/25	
Total Xylenes	**0.128**	0.0250	1	05/28/25	05/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.1 %*	*70-130*	*05/28/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522037
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/28/25	05/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*113 %*	*70-130*	*05/28/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522041
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522035
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Hilcorp Energy Co	Project Name:	San Juan 27-4 #95N	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Kate Kaufman	5/29/2025 2:58:07PM

FS06

E505296-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522037
Benzene	ND	0.0250	1	05/28/25	05/28/25	S5
Ethylbenzene	**0.482**	0.0250	1	05/28/25	05/28/25	S5
Toluene	**0.352**	0.0250	1	05/28/25	05/28/25	S5
o-Xylene	**1.79**	0.0250	1	05/28/25	05/28/25	S5
p,m-Xylene	**6.58**	0.0500	1	05/28/25	05/28/25	S5
Total Xylenes	**8.36**	0.0250	1	05/28/25	05/28/25	S5
Surrogate: 4-Bromochlorobenzene-PID		*90.9 %*	*70-130*	*05/28/25*	*05/28/25*	*S5*
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522037
Gasoline Range Organics (C6-C10)	**169**	20.0	1	05/28/25	05/28/25	S5
Surrogate: 1-Chloro-4-fluorobenzene-FID		*169 %*	*70-130*	*05/28/25*	*05/28/25*	*S5*
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522041
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522035
Chloride	**53.7**	20.0	1	05/28/25	05/28/25	

Sample Data

Hilcorp Energy Co	Project Name:	San Juan 27-4 #95N	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Kate Kaufman	5/29/2025 2:58:07PM

SW01

E505296-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522037
Benzene	ND	0.0250	1	05/28/25	05/28/25	
Ethylbenzene	ND	0.0250	1	05/28/25	05/28/25	
Toluene	ND	0.0250	1	05/28/25	05/28/25	
o-Xylene	**0.0274**	0.0250	1	05/28/25	05/28/25	
p,m-Xylene	**0.0890**	0.0500	1	05/28/25	05/28/25	
Total Xylenes	**0.116**	0.0250	1	05/28/25	05/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*05/28/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522037
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/28/25	05/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*117 %*	*70-130*	*05/28/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522041
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522035
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Hilcorp Energy Co	Project Name:	San Juan 27-4 #95N	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Kate Kaufman	5/29/2025 2:58:07PM

SW02

E505296-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522037
Benzene	ND	0.0250	1	05/28/25	05/28/25	
Ethylbenzene	**0.114**	0.0250	1	05/28/25	05/28/25	
Toluene	**0.113**	0.0250	1	05/28/25	05/28/25	
o-Xylene	**0.348**	0.0250	1	05/28/25	05/28/25	
p,m-Xylene	**1.31**	0.0500	1	05/28/25	05/28/25	
Total Xylenes	**1.65**	0.0250	1	05/28/25	05/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.5 %*	*70-130*	*05/28/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522037
Gasoline Range Organics (C6-C10)	**41.0**	20.0	1	05/28/25	05/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*124 %*	*70-130*	*05/28/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522041
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522035
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Hilcorp Energy Co	Project Name:	San Juan 27-4 #95N	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Kate Kaufman	5/29/2025 2:58:07PM

SW04

E505296-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522037
Benzene	ND	0.0250	1	05/28/25	05/28/25	
Ethylbenzene	ND	0.0250	1	05/28/25	05/28/25	
Toluene	ND	0.0250	1	05/28/25	05/28/25	
o-Xylene	**0.0674**	0.0250	1	05/28/25	05/28/25	
p,m-Xylene	**0.178**	0.0500	1	05/28/25	05/28/25	
Total Xylenes	**0.246**	0.0250	1	05/28/25	05/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*05/28/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522037
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/28/25	05/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*113 %*	*70-130*	*05/28/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522041
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522035
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Hilcorp Energy Co	Project Name:	San Juan 27-4 #95N	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Kate Kaufman	5/29/2025 2:58:07PM

SW05

E505296-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522037
Benzene	ND	0.0250	1	05/28/25	05/28/25	
Ethylbenzene	ND	0.0250	1	05/28/25	05/28/25	
Toluene	ND	0.0250	1	05/28/25	05/28/25	
o-Xylene	ND	0.0250	1	05/28/25	05/28/25	
p,m-Xylene	ND	0.0500	1	05/28/25	05/28/25	
Total Xylenes	ND	0.0250	1	05/28/25	05/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.4 %*	*70-130*	*05/28/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522037
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/28/25	05/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*113 %*	*70-130*	*05/28/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522041
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522035
Chloride	ND	20.0	1	05/28/25	05/28/25	

Sample Data

Hilcorp Energy Co	Project Name:	San Juan 27-4 #95N	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Kate Kaufman	5/29/2025 2:58:07PM

SW03

E505296-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522037
Benzene	ND	0.0250	1	05/28/25	05/28/25	
Ethylbenzene	ND	0.0250	1	05/28/25	05/28/25	
Toluene	ND	0.0250	1	05/28/25	05/28/25	
o-Xylene	ND	0.0250	1	05/28/25	05/28/25	
p,m-Xylene	ND	0.0500	1	05/28/25	05/28/25	
Total Xylenes	ND	0.0250	1	05/28/25	05/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*05/28/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522037
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/28/25	05/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*05/28/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522041
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522035
Chloride	ND	20.0	1	05/28/25	05/28/25	

QC Summary Data

Hilcorp Energy Co	Project Name:	San Juan 27-4 #95N	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Kate Kaufman	5/29/2025 2:58:07PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522037-BLK1)									Prepared: 05/28/25 Analyzed: 05/28/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.40*		*8.00*		*92.4*	*70-130*			
LCS (2522037-BS1)									Prepared: 05/28/25 Analyzed: 05/28/25
Benzene	5.04	0.0250	5.00		101	70-130			
Ethylbenzene	5.00	0.0250	5.00		100	70-130			
Toluene	5.03	0.0250	5.00		101	70-130			
o-Xylene	4.95	0.0250	5.00		99.0	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.44*		*8.00*		*93.0*	*70-130*			
Matrix Spike (2522037-MS1)				**Source: E505288-01**					Prepared: 05/28/25 Analyzed: 05/28/25
Benzene	5.31	0.0250	5.00	ND	106	70-130			
Ethylbenzene	5.26	0.0250	5.00	ND	105	70-130			
Toluene	5.30	0.0250	5.00	ND	106	70-130			
o-Xylene	5.20	0.0250	5.00	ND	104	70-130			
p,m-Xylene	10.6	0.0500	10.0	ND	106	70-130			
Total Xylenes	15.8	0.0250	15.0	ND	106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.53*		*8.00*		*94.1*	*70-130*			
Matrix Spike Dup (2522037-MSD1)				**Source: E505288-01**					Prepared: 05/28/25 Analyzed: 05/28/25
Benzene	4.88	0.0250	5.00	ND	97.7	70-130	8.47	27	
Ethylbenzene	4.83	0.0250	5.00	ND	96.5	70-130	8.64	26	
Toluene	4.86	0.0250	5.00	ND	97.2	70-130	8.72	20	
o-Xylene	4.81	0.0250	5.00	ND	96.2	70-130	7.81	25	
p,m-Xylene	9.78	0.0500	10.0	ND	97.8	70-130	8.36	23	
Total Xylenes	14.6	0.0250	15.0	ND	97.3	70-130	8.18	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.40*		*8.00*		*92.4*	*70-130*			

QC Summary Data

Hilcorp Energy Co	Project Name:	San Juan 27-4 #95N	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Kate Kaufman	5/29/2025 2:58:07PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522037-BLK1)									Prepared: 05/28/25 Analyzed: 05/28/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.89*		*8.00*		*98.6*	*70-130*			
LCS (2522037-BS2)									Prepared: 05/28/25 Analyzed: 05/28/25
Gasoline Range Organics (C6-C10)	46.9	20.0	50.0		93.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.00*		*8.00*		*99.9*	*70-130*			
Matrix Spike (2522037-MS2)				**Source: E505288-01**					Prepared: 05/28/25 Analyzed: 05/28/25
Gasoline Range Organics (C6-C10)	45.8	20.0	50.0	ND	91.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.85*		*8.00*		*98.1*	*70-130*			
Matrix Spike Dup (2522037-MSD2)				**Source: E505288-01**					Prepared: 05/28/25 Analyzed: 05/28/25
Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.7	70-130	3.33	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.97*		*8.00*		*99.7*	*70-130*			

QC Summary Data

Hilcorp Energy Co	Project Name:	San Juan 27-4 #95N	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Kate Kaufman	5/29/2025 2:58:07PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522041-BLK1)									Prepared: 05/28/25 Analyzed: 05/28/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*50.9*		*50.0*		*102*	*61-141*			
LCS (2522041-BS1)									Prepared: 05/28/25 Analyzed: 05/28/25
Diesel Range Organics (C10-C28)	257	25.0	250		103	66-144			
Surrogate: n-Nonane	*51.4*		*50.0*		*103*	*61-141*			
Matrix Spike (2522041-MS1)				**Source: E505296-03**					Prepared: 05/28/25 Analyzed: 05/28/25
Diesel Range Organics (C10-C28)	279	25.0	250	ND	111	56-156			
Surrogate: n-Nonane	*54.6*		*50.0*		*109*	*61-141*			
Matrix Spike Dup (2522041-MSD1)				**Source: E505296-03**					Prepared: 05/28/25 Analyzed: 05/28/25
Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	56-156	1.73	20	
Surrogate: n-Nonane	*54.5*		*50.0*		*109*	*61-141*			

QC Summary Data

Hilcorp Energy Co	Project Name:	San Juan 27-4 #95N	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Kate Kaufman	5/29/2025 2:58:07PM

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 (2522035-BLK1)									Prepared: 05/28/25 Analyzed: 05/28/25
Chloride	ND	20.0							
LCS (2522035-BS1)									Prepared: 05/28/25 Analyzed: 05/28/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2522035-MS1)				**Source: E505296-03**					Prepared: 05/28/25 Analyzed: 05/28/25
Chloride	254	20.0	250	ND	101	80-120			
Matrix Spike Dup (2522035-MSD1)				**Source: E505296-03**					Prepared: 05/28/25 Analyzed: 05/28/25
Chloride	255	20.0	250	ND	102	80-120	0.450	20	

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

Definitions and Notes

Hilcorp Energy Co	Project Name:	San Juan 27-4 #95N	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Kate Kaufman	05/29/25 14:58

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

envirotech
Analytical Laboratory

Chain of Custody

Client Information		Invoice Information		Lab Use Only		TAT				State					
Client:	Hilcorp	Company:	same as client	Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX		
Project Name:	San Juan 27-4 #95N	Address:		E505296	1705I-0002	X				X					
Project Manager:	~~Mike~~ Kate Kaufman	City, State, Zip:													
Address:		Phone:													
City, State, Zip:	KKaufman@hilcorp.com	Email:													
Phone:		Miscellaneous:													
Email:															

Sample Information								Analysis and Method											EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg			SDWA	CWA	RCRA
																		Compliance	Y	or N
																		PWSID #		
1240	5/27/25	soil	1, 4 oz	FS01		1	X	X	X		X							Samle Temp 5.8	Remarks	
1244				FS02		2												5.7		
1247				FS03		3												5.5		
1251				FS04		4												5.9		
1253				FS05		5												5.7		
1256				FS06		6												5.6		
1301				SW01		7												5.4		
1303				SW02		8												5.7		
~~1305~~				~~SW03~~																
1307	5/27/25	soil	one 4 oz	SW04		9	X	X	X		X							5.8		

Additional Instructions: cc: shyde@ensolum.com ; wwichert@ensolum.com ; ofroelich@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: Osgood Froelich

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
~~OF~~	5/27/25	4:40	Nee Soto	5-27-25	1640
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 temp 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

Chain of Custody

Client Information		Invoice Information		Lab Use Only		TAT				State				
Client:	Hilcorp	Company:	Same as client	Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX	
Project Name:	San Juan 27-4 #95N	Address:		E505296	17051-0002	X				X				
Project Manager:	Kate Kaufman	City, State, Zip:												
Address:	kkaufman@hilcorp.com	Phone:												
City, State, Zip:		Email:												
Phone:		Miscellaneous:												
Email:														

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg			Sample Temp	Remarks
1309	5/27/25	Soil	one 4 oz	SW05		10	X	X	X		X							5.5	
1435	5/27/25	"	"	SW03		11	X	X	X		X							5.4	

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: cc: shyde@ensolum.com; wweichert@ensolum.com; dfroelich@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: Osgood Froelich

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5/27/25	4:40	Noe Soto	5.27.25	1640
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 temp 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: 5/28/2025 9:04:16AM

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:	05/27/25 16:40	Work Order ID:	E505296
Phone:	-	Date Logged In:	05/27/25 16:52	Logged In By:	Noe Soto
Email:		Due Date:	05/28/25 17:00 (1 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	Carrier: Osgood Froelich
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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

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

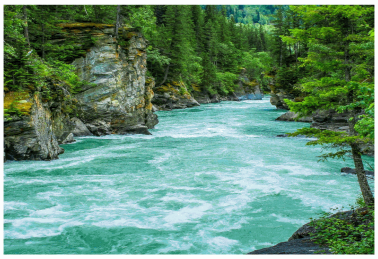
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Kate Kaufman



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Hilcorp Energy Co

Project Name:	San Juan 27-4 #95N
Work Order:	E505314
Job Number:	17051-0002
Received:	5/30/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/3/25

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

Date Reported: 6/3/25

Kate Kaufman
PO Box 61529
Houston, TX 77208

Project Name: San Juan 27-4 #95N
Workorder: E505314
Date Received: 5/30/2025 1:10:00PM

Kate Kaufman,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/30/2025 1:10:00PM, under the Project Name: San Juan 27-4 #95N.

The analytical test results summarized in this report with the Project Name: San Juan 27-4 #95N apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

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ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
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Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Hilcorp Energy Co	Project Name:	San Juan 27-4 #95N	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Kate Kaufman	06/03/25 15:04

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS06A	E505314-01A	Soil	05/30/25	05/30/25	Glass Jar, 4 oz.
SW06	E505314-02A	Soil	05/30/25	05/30/25	Glass Jar, 4 oz.

Sample Data

Hilcorp Energy Co	Project Name:	San Juan 27-4 #95N	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Kate Kaufman	6/3/2025 3:04:35PM

FS06A

E505314-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522082
Benzene	ND	0.0250	1	05/30/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/30/25	05/31/25	
Toluene	ND	0.0250	1	05/30/25	05/31/25	
o-Xylene	ND	0.0250	1	05/30/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/30/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/30/25	05/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.9 %*	*70-130*	*05/30/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522082
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/30/25	05/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*05/30/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523014
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*06/02/25*	*06/02/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523016
Chloride	**20.3**	20.0	1	06/02/25	06/02/25	

Sample Data

Hilcorp Energy Co	Project Name:	San Juan 27-4 #95N	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Kate Kaufman	6/3/2025 3:04:35PM

SW06

E505314-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522082
Benzene	ND	0.0250	1	05/30/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/30/25	05/31/25	
Toluene	ND	0.0250	1	05/30/25	05/31/25	
o-Xylene	ND	0.0250	1	05/30/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/30/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/30/25	05/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.9 %*	*70-130*	*05/30/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522082
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/30/25	05/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.8 %*	*70-130*	*05/30/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523014
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*06/02/25*	*06/02/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523016
Chloride	ND	20.0	1	06/02/25	06/02/25	

QC Summary Data

Hilcorp Energy Co	Project Name:	San Juan 27-4 #95N	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Kate Kaufman	6/3/2025 3:04:35PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522082-BLK1)									Prepared: 05/30/25 Analyzed: 05/31/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.15*		*8.00*		*89.4*	*70-130*			
LCS (2522082-BS1)									Prepared: 05/30/25 Analyzed: 05/31/25
Benzene	4.90	0.0250	5.00		98.0	70-130			
Ethylbenzene	4.93	0.0250	5.00		98.6	70-130			
Toluene	4.96	0.0250	5.00		99.3	70-130			
o-Xylene	4.98	0.0250	5.00		99.5	70-130			
p,m-Xylene	9.99	0.0500	10.0		99.9	70-130			
Total Xylenes	15.0	0.0250	15.0		99.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.20*		*8.00*		*90.0*	*70-130*			
Matrix Spike (2522082-MS1)				**Source: E505312-04**					Prepared: 05/30/25 Analyzed: 05/31/25
Benzene	4.84	0.0250	5.00	ND	96.8	70-130			
Ethylbenzene	4.90	0.0250	5.00	ND	98.1	70-130			
Toluene	4.92	0.0250	5.00	ND	98.3	70-130			
o-Xylene	4.90	0.0250	5.00	ND	98.1	70-130			
p,m-Xylene	9.92	0.0500	10.0	ND	99.2	70-130			
Total Xylenes	14.8	0.0250	15.0	ND	98.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.13*		*8.00*		*89.1*	*70-130*			
Matrix Spike Dup (2522082-MSD1)				**Source: E505312-04**					Prepared: 05/30/25 Analyzed: 05/31/25
Benzene	4.81	0.0250	5.00	ND	96.2	70-130	0.554	27	
Ethylbenzene	4.85	0.0250	5.00	ND	97.1	70-130	1.05	26	
Toluene	4.88	0.0250	5.00	ND	97.7	70-130	0.666	20	
o-Xylene	4.87	0.0250	5.00	ND	97.5	70-130	0.585	25	
p,m-Xylene	9.84	0.0500	10.0	ND	98.4	70-130	0.764	23	
Total Xylenes	14.7	0.0250	15.0	ND	98.1	70-130	0.705	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.06*		*8.00*		*88.3*	*70-130*			

QC Summary Data

Hilcorp Energy Co	Project Name:	San Juan 27-4 #95N	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Kate Kaufman	6/3/2025 3:04:35PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522082-BLK1)									Prepared: 05/30/25 Analyzed: 05/31/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.49*		*8.00*		*93.7*	*70-130*			
LCS (2522082-BS2)									Prepared: 05/30/25 Analyzed: 05/31/25
Gasoline Range Organics (C6-C10)	39.4	20.0	50.0		78.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.61*		*8.00*		*95.1*	*70-130*			
Matrix Spike (2522082-MS2)				**Source: E505312-04**					Prepared: 05/30/25 Analyzed: 05/31/25
Gasoline Range Organics (C6-C10)	44.3	20.0	50.0	ND	88.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.60*		*8.00*		*95.0*	*70-130*			
Matrix Spike Dup (2522082-MSD2)				**Source: E505312-04**					Prepared: 05/30/25 Analyzed: 05/31/25
Gasoline Range Organics (C6-C10)	46.0	20.0	50.0	ND	92.1	70-130	3.88	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.65*		*8.00*		*95.6*	*70-130*			

QC Summary Data

Hilcorp Energy Co	Project Name:	San Juan 27-4 #95N	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Kate Kaufman	6/3/2025 3:04:35PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523014-BLK1)									Prepared: 06/02/25 Analyzed: 06/02/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*53.7*		*50.0*		*107*	*61-141*			
LCS (2523014-BS1)									Prepared: 06/02/25 Analyzed: 06/02/25
Diesel Range Organics (C10-C28)	264	25.0	250		106	66-144			
Surrogate: n-Nonane	*51.7*		*50.0*		*103*	*61-141*			
Matrix Spike (2523014-MS1)				**Source: E505320-07**					Prepared: 06/02/25 Analyzed: 06/02/25
Diesel Range Organics (C10-C28)	328	25.0	250	43.9	114	56-156			
Surrogate: n-Nonane	*51.2*		*50.0*		*102*	*61-141*			
Matrix Spike Dup (2523014-MSD1)				**Source: E505320-07**					Prepared: 06/02/25 Analyzed: 06/02/25
Diesel Range Organics (C10-C28)	341	25.0	250	43.9	119	56-156	3.92	20	
Surrogate: n-Nonane	*50.6*		*50.0*		*101*	*61-141*			

QC Summary Data

Hilcorp Energy Co	Project Name:	San Juan 27-4 #95N	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Kate Kaufman	6/3/2025 3:04:35PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523016-BLK1)									Prepared: 06/02/25 Analyzed: 06/02/25
Chloride	ND	20.0							
LCS (2523016-BS1)									Prepared: 06/02/25 Analyzed: 06/02/25
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2523016-MS1)				**Source: E505337-05**					Prepared: 06/02/25 Analyzed: 06/02/25
Chloride	1440	20.0	250	1150	117	80-120			
Matrix Spike Dup (2523016-MSD1)				**Source: E505337-05**					Prepared: 06/02/25 Analyzed: 06/02/25
Chloride	1450	20.0	250	1150	119	80-120	0.382	20	

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

Definitions and Notes

Hilcorp Energy Co	Project Name:	San Juan 27-4 #95N	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Kate Kaufman	06/03/25 15:04

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.

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Hilcorp Energy Company	Company: Same as client	Lab WO# E505314	Job Number 17051.0002	1D ☒ 2D 3D Std	NM ☒ CO UT TX
Project Name: San Juan 27-4 #95N	Address:			
Project Manager: Kate Kaufman	City, State, Zip:			
Address: KKaufman@hilcorp.com	Phone:			
City, State, Zip:	Email:			
Phone:	Miscellaneous:			
Email:				

Sample Information

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		Sample Temp	Remarks
1101	5/30/25	soil	one 4 oz	FS06A		1	X	X	X		X							5.8	
1106	5/30/25	soil	one 4 oz	SW06		2	X	X	X		X							5.5	

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: cc: shyde@ensolum.com ; wwe:chert@ensolum.com ; ofroelich@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: Osgood Froelich

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
OF	5/30/2025	1310		5.30.25	1310
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 temp 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: 5/30/2025 1:14:42PM

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:	05/30/25 13:10	Work Order ID:	E505314
Phone:	-	Date Logged In:	05/30/25 13:12	Logged In By:	Caitlin Mars
Email:		Due Date:	06/02/25 17:00 (1 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	Carrier: Osgood Froelich
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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

ENSOLUM

APPENDIX D

Photolog

ENSOLUM

Photographic Log
Hilcorp Energy Company
San Juan 27-4 #95N
nAPP2508333359

Photograph: 1 Date: 4/9/2025
Description: Initial Hand Auger Deliniation, HA01
View: North / Northeast

Photograph: 2 Date: 5/27/2025
Description: Initial excavation activities
View: East

Photograph: 3 Date: 5/27/2025
Description: Excavation activities
View: East-Southeast

Photograph: 4 Date: 5/30/2025
Description: Excavation extent
View: North

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 478410

QUESTIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 478410
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2508333359**
Incident Name	**NAPP2508333359 SAN JUAN 27-4 #95N @ 30-039-30521**
Incident Type	**Oil Release**
Incident Status	**Remediation Closure Report Received**
Incident Well	**[30-039-30521] SAN JUAN 27 4 UNIT #095N**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	SAN JUAN 27-4 #95N
Date Release Discovered	03/17/2025
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications 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: Corrosion | Tank (Any) | Produced Water | Released: 72 BBL | Recovered: 0 BBL | Lost: 72 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Cause: Corrosion | Tank (Any) | Condensate | Released: 48 BBL | Recovered: 0 BBL | Lost: 48 BBL.
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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

General Information
Phone: (505) 629-6116

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

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 478410
	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	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. 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: 06/24/2025

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 (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 478410
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
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.	
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)	91
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1600
GRO+DRO (EPA SW-846 Method 8015M)	1600
BTEX (EPA SW-846 Method 8021B or 8260B)	140
Benzene (EPA SW-846 Method 8021B or 8260B)	0.4
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	04/09/2025
On what date will (or did) the final sampling or liner inspection occur	05/30/2025
On what date will (or was) the remediation complete(d)	05/30/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	1200
What is the estimated volume (in cubic yards) that will be remediated	350
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 478410
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	ENVIROTECH [fSC00000000048]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 06/24/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 478410
	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 (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 478410
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**469077**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**05/30/2025**
What was the (estimated) number of samples that were to be gathered	**1**
What was the sampling surface area in square feet	**200**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1200
What was the total volume (cubic yards) remediated	350
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Excavation and confirmation sampling activities were completed to address the release identified on March 17, 2025. Laboratory analytical results for confirmation soil samples collected from the final excavation extents demonstrated all COC concentrations were below applicable Site Closure Criteria and met reclamation requirements. As a result, no further remediation is warranted. The removal of impacted soil has effectively mitigated risk to human health, the environment, and groundwater.
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.	

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

I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 06/24/2025

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QUESTIONS (continued)

Operator:	OGRID:
HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	372171
	Action Number: 478410
	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 478410

CONDITIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	372171
	Action Number: 478410
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation closure approved. Please note for future releases at this site, the minimum distance to the following should be updated under the Site Characterization portion of the C-141 application: any lakebed, sinkhole, or playa lake (1000 ft -1/2 mile N is a freshwater pond).	6/25/2025