ENSOLUM

July 2, 2025

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

Re: Remediation Work Plan
San Juan 29-6 Unit 74B
Hilcorp Energy Company
NMOCD Incident No: nAPP2500832642

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Hilcorp Energy Company (Hilcorp), presents this *Remediation Work Plan* (Work Plan) for a release at the San Juan 29-6 Unit 74B natural gas production well (Site). The Site is located on private surface in Rio Arriba County, New Mexico, Unit J, Section 20, Township 29 North, Range 6 West (Figure 1). This Work Plan includes a summary of delineation activities performed at the Site and the proposed remediation of impacted soil originating from the release.

SITE BACKGROUND

A release of condensate and produced water was identified on January 7, 2025, during routine Audio, Visual, and Olfactory (AVO) monitoring at the Site. During the inspection, operations personnel identified a pinhole leak along a welded seam on the condensate aboveground storage tank (AST). In response, the drain valve was immediately opened, and the remaining tank contents were transferred to an adjacent below-grade tank to mitigate further release. The supervisor was promptly notified, and initial containment and recovery efforts began. The release was attributed to internal corrosion of the production tank and resulted in an estimated discharge of 33 barrels (bbl) of condensate and 20 bbls of produced water to the surface. Approximately 16 bbls of condensate and 4 bbls of produced water were recovered using a vacuum truck, with the remaining 17 bbls of condensate and 16 bbls of produced water impacting surface soils within the bermed containment area. No impacts to surface water or sensitive receptors were observed during the initial response.

Hilcorp submitted the *Notification of Release* to the New Mexico Oil Conservation Division (NMOCD) on January 8, 2025. The NMOCD has assigned the Site Incident Number nAPP2500832642.

SITE CHARACTERIZATION

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

GEOLOGY AND HYDROGEOLOGY

The Site is located 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

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

The nearest significant watercourse to the Site is an intermittent stream located approximately 654 feet northwest of the well pad. A cathodic protection well is present on the adjacent well pad, San Juan 29-6 Unit #211A (API: 30-039-29606), with a recorded depth to water of approximately 60 feet below ground surface (bgs). The cathodic protection well log is included as Appendix A. Based on this information, the depth to groundwater at the Site is estimated to range between 50 feet and 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 wetland. No wellhead protection areas, springs, or domestic or stock wells are present within a ½-mile radius of the Site. The Site is not situated within a 100-year floodplain, does not overlie a subsurface mine, and is not located in an area underlain by unstable geology; the area is classified as having low karst potential by the Bureau of Land Management. Additionally, no schools, hospitals, institutions, churches, or other occupied permanent residences or structures are located within 300 feet of the Site. A Site receptor map is provided as Figure 1.

SITE CLOSURE CRITERIA

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

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

DELINEATION AND SOIL SAMPLING ACTIVITIES

Following discovery of the release, Ensolum conducted hand auger delineation activities on February 12, 2025, at the request of Hilcorp. A notification of sampling activities was submitted to the NMOCD prior to the delineation work and is attached as Appendix B. During delineation

activities, an Ensolum geologist assessed the soil for petroleum hydrocarbon staining and odors. Soil samples were field screened for volatile organic vapors using a calibrated photoionization detector (PID) and for chloride concentrations using Hach® chloride QuanTab® test strips. Borehole HA01 was advanced within the center of the containment area, immediately adjacent to the condensate AST, to assess soil with the highest potential for impact from the release. Borehole HA01 was advanced to a depth of 4 feet below ground surface (bgs), where refusal was encountered on formation sandstone bedrock. Borehole HA02 was advanced south of the containment area in fine- to medium-grained sand and silt, with refusal encountered at 4 feet bgs. PID measurements remained near background levels throughout the borehole. Borehole HA03 was advanced east of the containment to a depth of 5 feet bgs before refusal and similarly exhibited near-background PID readings. Borehole HA04 was advanced to a depth of 4 feet bgs within the bermed area west of the tank, and PID readings remained consistent with background levels.

Based on field screening results, two soil samples from each hand auger borehole, one from the depth interval with the highest observed contamination and one from the terminus of the borehole. Those soil samples were collected directly into laboratory-provided jars and immediately placed on ice. Soil descriptions were noted in the field book. Samples were submitted to Eurofins Environment Testing (Eurofins) in Albuquerque, New Mexico for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B, TPH following EPA Method 8015M/D, and chloride following EPA Method 300.0.

Analytical results indicated concentrations of BTEX and TPH in soil exceeded the applicable NMOCD Closure Criteria at depths from the ground surface to 4 feet bgs within borehole HA01. Complete laboratory analytical reports are included as Appendix C. Soil delineation data, including PID field screening results, are summarized in Table 1 and on Figure 2. Photographs documenting delineation activities are provided in Appendix D.

Based on the initial laboratory analytical results, Ensolum conducted additional backhoe pothole delineation activities on February 26, 2025. Four pothole locations (PH01 through PH04) were advanced at the Site. During delineation activities, Ensolum personnel logged lithology and field screened soil in the same manner described above. All potholes were advanced to refusal on formation sandstone bedrock, with depths ranging from 7 feet to 10 feet bgs. Two soil samples were collected from each pothole in the manner described above and submitted to Envirotech Analytical Laboratory (Envirotech) in Farmington, New Mexico for analysis of BTEX, TPH, and chloride by the same methods described above.

Soil samples collected from PH01 at depths of 5 and 10 feet bgs contained concentrations of TPH and BTEX constituents exceeding the NMOCD Table I Closure Criteria. At 5 feet bgs, total TPH was reported at 2,151 mg/kg, and total BTEX was 205 mg/kg, exceeding the 50 mg/kg limit. At 10 feet bgs, total TPH was 593 mg/kg and total BTEX was 53.0 mg/kg, also exceeding NMOCD Closure Criteria. A sample collected from PH02 at 2 feet bgs contained a total BTEX concentration of 54.2 mg/kg.

Due to shallow refusal on bedrock encountered during hand auger and pothole delineation activities, Hilcorp contracted Enviro-Drill, Inc. to conduct subsurface investigation at the Site using hollow-stem auger drilling and split spoon sampling. Four boreholes (BH01 through BH04) were advanced to depths ranging from 25 feet to 30 feet bgs. Sampling notifications were submitted to NMOCD in advance of the delineation work (Appendix B). Two to three soil samples were collected from each borehole, one from the interval with the highest observed contamination, below known impacts, and/or one from the borehole terminus. Samples were submitted to Eurofins for analysis of BTEX, TPH, and chloride using the same methods described above.

Analytical results indicated all COCs were either not detected above laboratory reporting limits or were present at concentrations below the applicable NMOCD Table I Closure Criteria.

REMEDIATION WORK PLAN

Based on the soil sampling results described above, it is estimated impacted soil is present at the Site between the ground surface to a depth of approximately 10 feet to 12 feet bgs. Analytical results also indicate impacted soil is likely limited to areas within and immediately surrounding the secondary containment berm with an approximate areal extent of 1,000 square feet. Based on these estimates, approximately 450 cubic yards of impacted soil are present at the Site.

Hilcorp proposes to excavate impacted soil at the Site to achieve NMOCD Closure Criteria. Soil will be excavated and transported to the Envirotech Landfarm in San Juan County, New Mexico for treatment/disposal. Once field screening indicates impacted soil has been removed, 5-point composite soil samples will be collected at most every 200 square feet from the floor and sidewalls of the excavation. The 5-point composite samples will be collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Once confirmed impacted soil has been removed, the excavation will be backfilled with clean imported soil and recontoured to match pre-existing conditions at the Site.

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

VARIANCE REQUEST

Based on previous delineation analytical results, chloride was not detected in any analyzed sample at concentrations exceeding the NMOCD Table I Closure Criteria (10,000 mg/kg) or Reclamation Requirement (600 mg/kg). As such and in accordance with 19.15.29.14 NMAC, we are requesting a variance in order to collect confirmation soil samples from the remedial excavation for analysis of only TPH and BTEX constituents. Based on the existing Site data and no significant concentrations of chloride being detected resulting from the release, this variance will provide equal protection of fresh water, public health, and the environment.

REFERENCES

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

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

Sincerely,
Ensolum, LLC

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

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

Attachments:

Figure 1: Site Receptor Map
Figure 2: Delineation 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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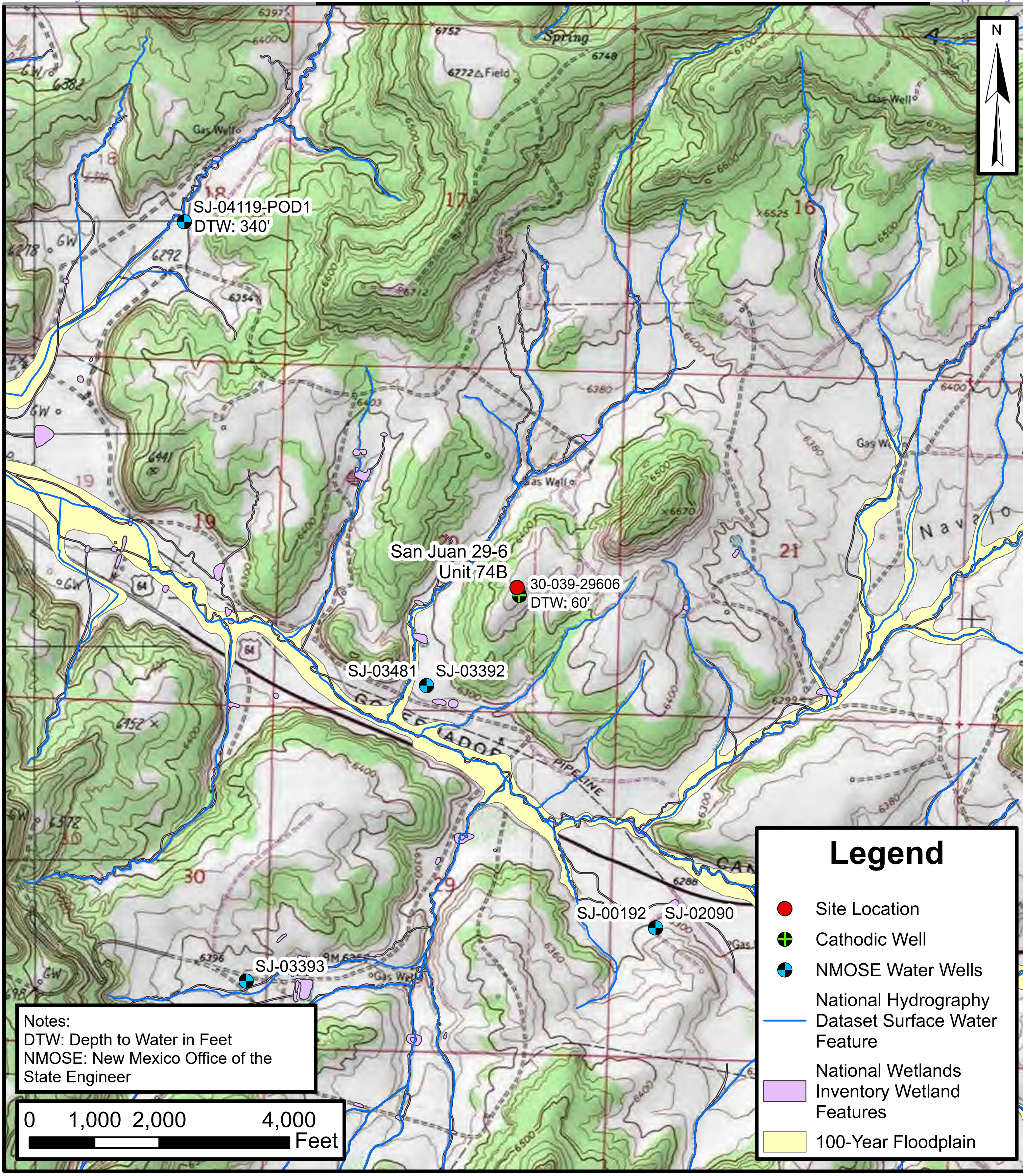
FIGURES



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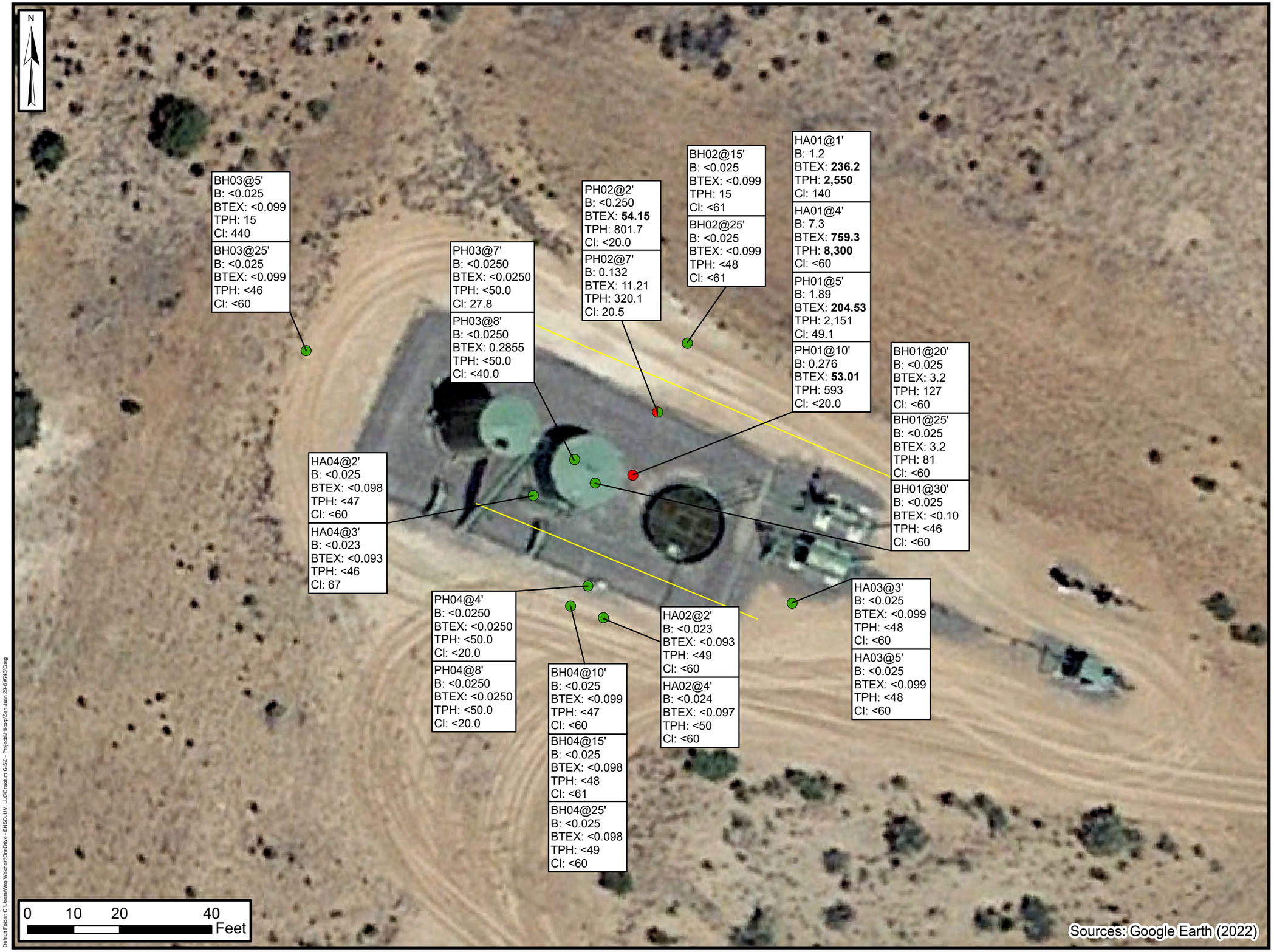
Environmental, Engineering and Hydrogeologic Consultants

Site Receptor Map

San Juan 29-6 Unit 74B
Hilcorp Energy Company
36.7090569,-107.4831543
Rio Arriba County, New Mexico

FIGURE
1

Sources: Environmental Systems Research Institute (ESRI), United States Geologic Survey (USGS), United States Fish and Wildlife Service (USFWS), National Geographic Society, i-cubed



Legend

- Delineation Soil Sample Location with Terminus in Compliance with NMOCD Closure Criteria
- Delineation Soil Sample Location in Compliance with NMOCD Closure Criteria
- Delineation Soil Sample Location Exceeding NMOCD Closure Criteria
- Utilities

Notes:
B: Benzene in Milligrams per Kilogram (mg/Kg)
BTEX: Total Benzene, Toluene, Ethylbenzene, and Xylenes (mg/Kg)
TPH: Total Petroleum Hydrocarbons (mg/Kg)
Cl: Chloride (mg/Kg)
< : Indicates Result is below Laboratory Reporting Limit
Bold: Indicates Results Exceed NMOCD Closure Criteria
NMOCD: New Mexico Oil Conservation Division

Delineation Soil Sample Map

San Juan 29-6 Unit 74B
Hilcorp Energy Company

36.7090569,-107.4831543
Rio Arriba County, New Mexico

Figure 2

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Default Folder: C:\Users\Wes Weichert\OneDrive - ENSOLUM, LLC\Enreolum GIS\0 - Projects\Hilcorp\San Juan 29-6 #74B\Greg

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TABLES

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
San Juan 29-6 Unit 74B
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**	**10,000**
Hand Auger Delineation														
HA01@1'	2/12/2025	1'	1,961	1.2	42	13	180	**236**	1,900	650	<49	**2,550**	**2,550**	140
HA01@4'	2/12/2025	4'	1,747	7.3	170	42	540	**759**	6,800	1,500	<94	**8,300**	**8,300**	<60
HA02@2'	2/12/2025	2'	4.8	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.9	<49	<9.9	<49	<60
HA02@4'	2/12/2025	4'	1.4	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<10	<50	<10	<50	<60
HA03@3'	2/12/2025	3'	0.2	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.7	<48	<9.7	<48	<60
HA03@5'	2/12/2025	5'	0.5	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.5	<48	<9.5	<48	<60
HA04@2'	2/12/2025	2'	15.5	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.4	<47	<9.4	<47	<60
HA04@3'	2/12/2025	3'	4.5	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.3	<46	<9.3	<46	67
Pothole Delineation														
PH01@5'	2/26/2025	5'	4,293	1.89	41.7	9.93	151	**205**	1,430	721	<50.0	**2,151**	2,151	49.1
PH01@10'	2/26/2025	10'	3,952	0.276	7.84	2.69	42.2	**53.0**	304	289	<50.0	593	593	<20.0
PH02@2'	2/26/2025	2'	4,390	<0.250	3.12	2.73	48.3	**54.2**	776	25.7	<50.0	802	802	<20.0
PH02@7'	2/26/2025	7'	4,029	0.132	2.62	0.528	7.93	11.2	94.1	226	<50.0	320	320	20.5
PH03@7'	2/26/2025	7'	618	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	27.8
PH03@8'	2/26/2025	8'	635	<0.0250	0.0605	<0.0250	0.225	0.286	<20.0	<25.0	<50.0	<25.0	<50.0	<40.0
PH04@4'	2/26/2025	4'	2.7	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH04@8'	2/26/2025	8'	3.4	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
Borehole Delineation														
BH01@20'	4/1/2025	20'	3,381	<0.025	0.079	0.27	2.9	3.2	70	57	<48	127	127	<60
BH01@25'	4/1/2025	25'	3,374	<0.025	0.15	0.26	2.8	3.2	62	19	<49	81	81	<60
BH01@30'	4/1/2025	30'	317	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.1	<46	<9.1	<46	<60
BH02@15'	4/1/2025	15'	1.7	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	15	<48	15	15	<61
BH02@25'	4/1/2025	25'	1.1	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.6	<48	<9.6	<48	<61
BH03@5'	4/1/2025	5'	1.6	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	15	<49	15	15	440
BH03@25'	4/1/2025	25'	0.0	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.2	<46	<9.2	<46	<60
BH04@10'	4/1/2025	10'	7.6	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.3	<47	<9.3	<47	<60
BH04@15'	4/1/2025	15'	13.9	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.6	<48	<9.6	<48	<61
BH04@25'	4/1/2025	25'	1.2	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.8	<49	<9.8	<49	<60

Notes:

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

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APPENDIX A

Cathodic Protection Well Log

OCD CATHODIC PROTECTION DEEPWELL GROUNDBED REPORT
DATA SHEET: NORTHWESTERN NEW MEXICO

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

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

LOCATION INFORMATION

API Number: 3003929606

WELL NAME OR PIPELINE SERVED: 29-6 211A
LEGAL LOCATION: 20-29-6
INSTALLATION DATE: 2/24/2006

PPCO. RECTIFIER NO.: FM-0947
ADDITIONAL WELLS: N/A

TYPE OF LEASE: FEE(PRIVATE)
LEASE NUMBER: FEE

GROUND BED INFORMATION

TOTAL DEPTH: 300
CASING DIAMETER: 8-IN
TYPE OF CASING: PVC
CASING DEPTH: 20
CASING CEMENTED: ☐

TOP ANODE DEPTH: 200
BOTTOM ANODE DEPTH: 290

ANODE DEPTHS: 200,210,220,230,240,250,260,270,280,290

AMOUNT OF COKE: 2300#

WATER INFORMATION

WATER DEPTH (1): 60
WATER DEPTH (2):

GAS DEPTH:
CEMENT PLUGS:

OTHER INFORMATION

TOP OF VENT PERFORATIONS: 120
VENT PIPE DEPTH: 300

REMARKS:

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

*- LAND TYPE MAY BE SHOWN: F-FEDERAL; I-INDIAN; S-STATE; P-FEE
IF FEDERAL OR INDIAN, ADD LEASE NUMBER.

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APPENDIX B

Agency Correspondence

From: Hamlet, Robert, EMNRD
To: Kate Kaufman
Cc: Stuart Hyde; Wes Weichert; Bratcher, Michael, EMNRD; Wells, Shelly, EMNRD
Subject: (Extension Approval) - nAPP2500832642 - San Juan 29-6 #74B
Date: Friday, April 4, 2025 2:41:35 PM

[**EXTERNAL EMAIL**]

RE: Incident **#NAPP2500832642**

Kate,

A 90-day extension is approved. Please have a remediation plan and/or remediation closure report uploaded to the OCD Permitting Portal no later than **July 3rd, 2025**. Please include this e-mail correspondence in the remediation plan and/or remediation closure report.

Robert Hamlet ● Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave.| Artesia, NM 88210
575.909.0302 | robert.hamlet@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Kate Kaufman <kkaufman@hilcorp.com>
Sent: Friday, April 4, 2025 2:09 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Stuart Hyde <shyde@ensolum.com>; Wes Weichert <wweichert@ensolum.com>; Kate Kaufman <kkaufman@hilcorp.com>
Subject: [EXTERNAL] nAPP2500832642 - San Juan 29-6 #74B Extension Request

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

Hilcorp Energy Company is submitting this request for a 90-day extension to the reporting deadline for the San Juan 29-6 Unit 74B release. Hand auger and excavator pothole delineation activities have been performed at the Site but the lateral and vertical extent of impacts have not yet been fully delineated. A drill rig was utilized to continue delineation

efforts on April 1 and we are waiting on sample results to determine next steps towards remediation.

We respectfully request an extension of the reporting deadline from April 7, 2025 to July 6, 2025.

Please let us know if you have any questions.

Regards,
Kate

Kate Kaufman | Senior Environmental Specialist | Hilcorp Energy Company
O: 346-237-2275 | C: 907-244-8292 | kkaufman@hilcorp.com
1111 Travis St. | Houston | TX | 77002

From: Stuart Hyde
To: Wes Weichert
Subject: Fw: The Oil Conservation Division (OCD) has accepted the application, Application ID: 424598
Date: Monday, January 27, 2025 10:59:34 AM

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

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Friday, January 24, 2025 3:21:02 PM
To: Stuart Hyde <shyde@ensolum.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 424598

[**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#) nAPP2500832642.

The sampling event is expected to take place:

When: 01/30/2025 @ 09:00
Where: J-20-29N-06W 1865 FSL 1715 FEL (36.7090569,-107.4831543)

Additional Information: Contact PM- Stuart Hyde (970)403-6023

Additional Instructions: San Juan 29-6 Unit 74B (36.7090569, -107.424127). Hand Auger delineation hand sampling. 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

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 446563

QUESTIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 446563
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2500832642**
Incident Name	**NAPP2500832642 SAN JUAN 29-6 UNIT 74B @ 30-039-29923**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-039-29923] SAN JUAN 29 6 UNIT #074B**

Location of Release Source	
Site Name	**San Juan 29-6 Unit 74B**
Date Release Discovered	**01/07/2025**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	2,000
What is the estimated number of samples that will be gathered	10
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/01/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Contact PM Stuart Hyde 970-903-1607
Please provide any information necessary for navigation to sampling site	San Juan 29-6 Unit 74B (36.7090569, -107.4831543). Delineation drilling and soil sampling. Number of samples is estimated.

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

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 446563
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
shyde	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/28/2025

From: OCDOnline@state.nm.us
To: Stuart Hyde
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 429605
Date: Friday, February 7, 2025 10:50:34 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#) nAPP2500832642.

The sampling event is expected to take place:

When: 02/12/2025 @ 09:00
Where: J-20-29N-06W 1865 FSL 1715 FEL (36.7090569,-107.4831543)

Additional Information: Contact PM Wes Weichert (816)266-8732

Additional Instructions: San Juan 29-6 Unit 74B (36.7090569, -107.4831543). Hand auger delineation hand sampling. 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: 443499
Date: Tuesday, March 18, 2025 10:00:11 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#) nAPP2500832642.

The sampling event is expected to take place:

When: 03/26/2025 @ 09:00
Where: J-20-29N-06W 1865 FSL 1715 FEL (36.7090569,-107.4831543)

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

Additional Instructions: San Juan 29-6 Unit 74B (36.7090569, -107.4831543). Delineation drilling and soil sampling to occur Wednesday 3/26/25 and Thursday 3/27/25 starting at 9:00 am. 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: 443987
Date: Wednesday, March 19, 2025 2:12:22 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#) nAPP2500832642.

The sampling event is expected to take place:

When: 03/28/2025 @ 09:00
Where: J-20-29N-06W 1865 FSL 1715 FEL (36.7090569,-107.4831543)

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

Additional Instructions: San Juan 29-6 Unit 74B (36.7090569, -107.4831543). Delineation drilling and soil sampling. 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

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 2/20/2025 2:19:05 PM

JOB DESCRIPTION

San Juan 29-6 #74B

JOB NUMBER

885-19883-1

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
2/20/2025 2:19:05 PM

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

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Laboratory Job ID: 885-19883-1

Table of Contents

Definitions/Glossary

Client: Hilcorp Energy Job ID: 885-19883-1
Project/Site: San Juan 29-6 #74B

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

HPLC/IC

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.

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 29-6 #74B

Job ID: 885-19883-1

Job ID: 885-19883-1 Eurofins Albuquerque

Job Narrative
885-19883-1

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 2/13/2025 6:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.3°C.

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

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

Diesel Range Organics
Method 8015D_DRO: The following sample was diluted due to the nature of the sample matrix: HA01@4' (885-19883-2). Elevated reporting limits (RLs) are provided.

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 29-6 #74B

Job ID: 885-19883-1

Client Sample ID: HA01@1'

Date Collected: 02/12/25 10:50
Date Received: 02/13/25 06:30

Lab Sample ID: 885-19883-1

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]	1900		94		mg/Kg		02/13/25 13:15	02/17/25 20:23	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*191*	*S1+*	*35 - 166*	*02/13/25 13:15*	*02/17/25 20:23*	*20*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.2		0.47		mg/Kg		02/13/25 13:15	02/17/25 20:23	20
Ethylbenzene	13		0.94		mg/Kg		02/13/25 13:15	02/17/25 20:23	20
Toluene	42		0.94		mg/Kg		02/13/25 13:15	02/17/25 20:23	20
Xylenes, Total	180		1.9		mg/Kg		02/13/25 13:15	02/17/25 20:23	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*48 - 145*	*02/13/25 13:15*	*02/17/25 20:23*	*20*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	650		9.9		mg/Kg		02/17/25 08:29	02/17/25 18:36	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		02/17/25 08:29	02/17/25 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*91*		*62 - 134*	*02/17/25 08:29*	*02/17/25 18:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		60		mg/Kg		02/13/25 15:39	02/14/25 15:00	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Job ID: 885-19883-1

Client Sample ID: HA01@4'

Date Collected: 02/12/25 10:55
Date Received: 02/13/25 06:30

Lab Sample ID: 885-19883-2

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]	6800		240		mg/Kg		02/13/25 13:15	02/18/25 18:19	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*207*	*S1+*	*35 - 166*	*02/13/25 13:15*	*02/18/25 18:19*	*50*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	7.3		1.2		mg/Kg		02/13/25 13:15	02/18/25 18:19	50
Ethylbenzene	42		2.4		mg/Kg		02/13/25 13:15	02/18/25 18:19	50
Toluene	170		2.4		mg/Kg		02/13/25 13:15	02/18/25 18:19	50
Xylenes, Total	540		4.7		mg/Kg		02/13/25 13:15	02/18/25 18:19	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*48 - 145*	*02/13/25 13:15*	*02/18/25 18:19*	*50*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1500		19		mg/Kg		02/17/25 08:29	02/18/25 17:17	2
Motor Oil Range Organics [C28-C40]	ND		94		mg/Kg		02/17/25 08:29	02/18/25 17:17	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*100*		*62 - 134*	*02/17/25 08:29*	*02/18/25 17:17*	*2*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		02/13/25 15:39	02/14/25 15:51	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Job ID: 885-19883-1

Client Sample ID: HA02@2'

Date Collected: 02/12/25 11:30
Date Received: 02/13/25 06:30

Lab Sample ID: 885-19883-3

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		02/13/25 13:15	02/18/25 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*35 - 166*	*02/13/25 13:15*	*02/18/25 17:57*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		02/13/25 13:15	02/18/25 17:57	1
Ethylbenzene	ND		0.047		mg/Kg		02/13/25 13:15	02/18/25 17:57	1
Toluene	ND		0.047		mg/Kg		02/13/25 13:15	02/18/25 17:57	1
Xylenes, Total	ND		0.093		mg/Kg		02/13/25 13:15	02/18/25 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*48 - 145*	*02/13/25 13:15*	*02/18/25 17:57*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9		mg/Kg		02/17/25 08:29	02/17/25 19:22	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		02/17/25 08:29	02/17/25 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*97*		*62 - 134*	*02/17/25 08:29*	*02/17/25 19:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		02/13/25 15:39	02/14/25 16:02	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Job ID: 885-19883-1

Client Sample ID: HA02@4'

Date Collected: 02/12/25 11:40
Date Received: 02/13/25 06:30

Lab Sample ID: 885-19883-4

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		02/13/25 13:15	02/17/25 21:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*35 - 166*	*02/13/25 13:15*	*02/17/25 21:28*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		02/13/25 13:15	02/17/25 21:28	1
Ethylbenzene	ND		0.049		mg/Kg		02/13/25 13:15	02/17/25 21:28	1
Toluene	ND		0.049		mg/Kg		02/13/25 13:15	02/17/25 21:28	1
Xylenes, Total	ND		0.097		mg/Kg		02/13/25 13:15	02/17/25 21:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*48 - 145*	*02/13/25 13:15*	*02/17/25 21:28*	*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		02/17/25 08:29	02/17/25 19:46	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		02/17/25 08:29	02/17/25 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*100*		*62 - 134*	*02/17/25 08:29*	*02/17/25 19:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		02/13/25 15:39	02/14/25 16:12	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Job ID: 885-19883-1

Client Sample ID: HA03@3'

Date Collected: 02/12/25 12:00
Date Received: 02/13/25 06:30

Lab Sample ID: 885-19883-5

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		5.0		mg/Kg		02/17/25 12:33	02/18/25 21:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*35 - 166*	*02/17/25 12:33*	*02/18/25 21:13*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		02/17/25 12:33	02/18/25 21:13	1
Ethylbenzene	ND		0.050		mg/Kg		02/17/25 12:33	02/18/25 21:13	1
Toluene	ND		0.050		mg/Kg		02/17/25 12:33	02/18/25 21:13	1
Xylenes, Total	ND		0.099		mg/Kg		02/17/25 12:33	02/18/25 21:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*48 - 145*	*02/17/25 12:33*	*02/18/25 21:13*	*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		02/17/25 13:47	02/17/25 14:53	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		02/17/25 13:47	02/17/25 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*94*		*62 - 134*	*02/17/25 13:47*	*02/17/25 14:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		02/13/25 15:39	02/14/25 16:22	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Job ID: 885-19883-1

Client Sample ID: HA03@5'

Date Collected: 02/12/25 12:10
Date Received: 02/13/25 06:30

Lab Sample ID: 885-19883-6

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		5.0		mg/Kg		02/17/25 12:33	02/18/25 22:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*35 - 166*	*02/17/25 12:33*	*02/18/25 22:40*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		02/17/25 12:33	02/18/25 22:40	1
Ethylbenzene	ND		0.050		mg/Kg		02/17/25 12:33	02/18/25 22:40	1
Toluene	ND		0.050		mg/Kg		02/17/25 12:33	02/18/25 22:40	1
Xylenes, Total	ND		0.099		mg/Kg		02/17/25 12:33	02/18/25 22:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*48 - 145*	*02/17/25 12:33*	*02/18/25 22:40*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5		mg/Kg		02/17/25 13:47	02/17/25 15:16	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		02/17/25 13:47	02/17/25 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*85*		*62 - 134*	*02/17/25 13:47*	*02/17/25 15:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		02/13/25 15:39	02/14/25 16:33	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Job ID: 885-19883-1

Client Sample ID: HA04@2'

Date Collected: 02/12/25 12:30
Date Received: 02/13/25 06:30

Lab Sample ID: 885-19883-7
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		4.9		mg/Kg		02/17/25 12:33	02/18/25 23:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*35 - 166*	*02/17/25 12:33*	*02/18/25 23:45*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		02/17/25 12:33	02/18/25 23:45	1
Ethylbenzene	ND		0.049		mg/Kg		02/17/25 12:33	02/18/25 23:45	1
Toluene	ND		0.049		mg/Kg		02/17/25 12:33	02/18/25 23:45	1
Xylenes, Total	ND		0.098		mg/Kg		02/17/25 12:33	02/18/25 23:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*48 - 145*	*02/17/25 12:33*	*02/18/25 23:45*	*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		02/17/25 13:47	02/17/25 15:40	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		02/17/25 13:47	02/17/25 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*84*		*62 - 134*	*02/17/25 13:47*	*02/17/25 15:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		02/13/25 15:39	02/14/25 16:43	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Job ID: 885-19883-1

Client Sample ID: HA04@3'

Date Collected: 02/12/25 12:40
Date Received: 02/13/25 06:30

Lab Sample ID: 885-19883-8

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		4.7		mg/Kg		02/17/25 12:33	02/19/25 00:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*35 - 166*	*02/17/25 12:33*	*02/19/25 00:07*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		02/17/25 12:33	02/19/25 00:07	1
Ethylbenzene	ND		0.047		mg/Kg		02/17/25 12:33	02/19/25 00:07	1
Toluene	ND		0.047		mg/Kg		02/17/25 12:33	02/19/25 00:07	1
Xylenes, Total	ND		0.093		mg/Kg		02/17/25 12:33	02/19/25 00:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*48 - 145*	*02/17/25 12:33*	*02/19/25 00:07*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3		mg/Kg		02/17/25 13:47	02/17/25 16:03	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		02/17/25 13:47	02/17/25 16:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*89*		*62 - 134*	*02/17/25 13:47*	*02/17/25 16:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**67**		60		mg/Kg		02/13/25 15:39	02/14/25 16:53	20

QC Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Job ID: 885-19883-1

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

Lab Sample ID: MB 885-20793/1-A
Matrix: Solid
Analysis Batch: 20909

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20793

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0		mg/Kg		02/13/25 13:15	02/17/25 12:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*35 - 166*	*02/13/25 13:15*	*02/17/25 12:12*	*1*

Lab Sample ID: LCS 885-20793/2-A
Matrix: Solid
Analysis Batch: 20909

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20793

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]			25.0	19.5		mg/Kg		78	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*204*		*35 - 166*

Lab Sample ID: MB 885-20934/1-A
Matrix: Solid
Analysis Batch: 21050

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20934

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0		mg/Kg		02/17/25 12:33	02/18/25 20:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*35 - 166*	*02/17/25 12:33*	*02/18/25 20:51*	*1*

Lab Sample ID: LCS 885-20934/2-A
Matrix: Solid
Analysis Batch: 21050

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20934

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]			25.0	24.1		mg/Kg		96	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*203*		*35 - 166*

Lab Sample ID: 885-19883-5 MS
Matrix: Solid
Analysis Batch: 21050

Client Sample ID: HA03@3'
Prep Type: Total/NA
Prep Batch: 20934

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

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*217*		*35 - 166*

QC Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Job ID: 885-19883-1

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

Lab Sample ID: 885-19883-5 MSD
Matrix: Solid
Analysis Batch: 21050

Client Sample ID: HA03@3'
Prep Type: Total/NA
Prep Batch: 20934

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	ND		24.8	24.7		mg/Kg		100	70 - 130	10	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*210*		*35 - 166*

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-20793/1-A
Matrix: Solid
Analysis Batch: 20910

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20793

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		02/13/25 13:15	02/17/25 12:12	1
Ethylbenzene	ND		0.050		mg/Kg		02/13/25 13:15	02/17/25 12:12	1
Toluene	ND		0.050		mg/Kg		02/13/25 13:15	02/17/25 12:12	1
Xylenes, Total	ND		0.10		mg/Kg		02/13/25 13:15	02/17/25 12:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*48 - 145*	*02/13/25 13:15*	*02/17/25 12:12*	*1*

Lab Sample ID: LCS 885-20793/3-A
Matrix: Solid
Analysis Batch: 20910

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20793

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			1.00	0.966		mg/Kg		97	70 - 130		
Ethylbenzene			1.00	0.974		mg/Kg		97	70 - 130		
m&p-Xylene			2.00	1.92		mg/Kg		96	70 - 130		
o-Xylene			1.00	0.937		mg/Kg		94	70 - 130		
Toluene			1.00	0.956		mg/Kg		96	70 - 130		
Xylenes, Total			3.00	2.86		mg/Kg		95	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*48 - 145*

Lab Sample ID: MB 885-20934/1-A
Matrix: Solid
Analysis Batch: 21051

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20934

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		02/17/25 12:33	02/18/25 20:51	1
Ethylbenzene	ND		0.050		mg/Kg		02/17/25 12:33	02/18/25 20:51	1
Toluene	ND		0.050		mg/Kg		02/17/25 12:33	02/18/25 20:51	1
Xylenes, Total	ND		0.10		mg/Kg		02/17/25 12:33	02/18/25 20:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*48 - 145*	*02/17/25 12:33*	*02/18/25 20:51*	*1*

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QC Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Job ID: 885-19883-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: LCS 885-20934/3-A
Matrix: Solid
Analysis Batch: 21051

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20934

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			1.00	0.965		mg/Kg		96	70 - 130		
Ethylbenzene			1.00	0.971		mg/Kg		97	70 - 130		
m&p-Xylene			2.00	1.92		mg/Kg		96	70 - 130		
o-Xylene			1.00	0.936		mg/Kg		94	70 - 130		
Toluene			1.00	0.961		mg/Kg		96	70 - 130		
Xylenes, Total			3.00	2.85		mg/Kg		95	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*48 - 145*

Lab Sample ID: 885-19883-6 MS
Matrix: Solid
Analysis Batch: 21051

Client Sample ID: HA03@5'
Prep Type: Total/NA
Prep Batch: 20934

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		0.992	1.03		mg/Kg		104	70 - 130		
Ethylbenzene	ND		0.992	1.04		mg/Kg		105	70 - 130		
m&p-Xylene	ND		1.98	2.08		mg/Kg		105	70 - 130		
o-Xylene	ND		0.992	1.01		mg/Kg		102	70 - 130		
Toluene	ND		0.992	1.04		mg/Kg		105	70 - 130		
Xylenes, Total	ND		2.98	3.09		mg/Kg		104	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*48 - 145*

Lab Sample ID: 885-19883-6 MSD
Matrix: Solid
Analysis Batch: 21051

Client Sample ID: HA03@5'
Prep Type: Total/NA
Prep Batch: 20934

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.993	1.04		mg/Kg		105	70 - 130	1	20
Ethylbenzene	ND		0.993	1.06		mg/Kg		107	70 - 130	2	20
m&p-Xylene	ND		1.99	2.13		mg/Kg		107	70 - 130	2	20
o-Xylene	ND		0.993	1.05		mg/Kg		106	70 - 130	4	20
Toluene	ND		0.993	1.04		mg/Kg		105	70 - 130	0	20
Xylenes, Total	ND		2.98	3.18		mg/Kg		107	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*48 - 145*

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

Lab Sample ID: MB 885-20900/1-A
Matrix: Solid
Analysis Batch: 20908

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20900

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		02/17/25 08:29	02/17/25 17:49	1

QC Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Job ID: 885-19883-1

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

Lab Sample ID: MB 885-20900/1-A
Matrix: Solid
Analysis Batch: 20908

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20900

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		02/17/25 08:29	02/17/25 17:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*99*		*62 - 134*	*02/17/25 08:29*	*02/17/25 17:49*	*1*

Lab Sample ID: LCS 885-20900/2-A
Matrix: Solid
Analysis Batch: 20908

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20900

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			50.0	46.8		mg/Kg		94	60 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*69*		*62 - 134*

Lab Sample ID: 885-19883-4 MS
Matrix: Solid
Analysis Batch: 20908

Client Sample ID: HA02@4'
Prep Type: Total/NA
Prep Batch: 20900

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]	ND		49.0	40.4		mg/Kg		82	44 - 136		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*75*		*62 - 134*

Lab Sample ID: 885-19883-4 MSD
Matrix: Solid
Analysis Batch: 20908

Client Sample ID: HA02@4'
Prep Type: Total/NA
Prep Batch: 20900

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		48.9	40.7		mg/Kg		83	44 - 136	1	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*79*		*62 - 134*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-20803/1-A
Matrix: Solid
Analysis Batch: 20838

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20803

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0		mg/Kg		02/13/25 15:39	02/14/25 09:54	1

QC Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Job ID: 885-19883-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-20803/2-A
Matrix: Solid
Analysis Batch: 20838

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20803

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			30.0	28.8		mg/Kg		96	90 - 110		

Lab Sample ID: 885-19883-1 MS
Matrix: Solid
Analysis Batch: 20838

Client Sample ID: HA01@1'
Prep Type: Total/NA
Prep Batch: 20803

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	140		30.0	164	4	mg/Kg		65	50 - 150		

Lab Sample ID: 885-19883-1 MSD
Matrix: Solid
Analysis Batch: 20838

Client Sample ID: HA01@1'
Prep Type: Total/NA
Prep Batch: 20803

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	140		29.8	174	4	mg/Kg		97	50 - 150	6	20

QC Association Summary

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Job ID: 885-19883-1

GC VOA

Prep Batch: 20793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-19883-1	HA01@1'	Total/NA	Solid	5030C	
885-19883-2	HA01@4'	Total/NA	Solid	5030C	
885-19883-3	HA02@2'	Total/NA	Solid	5030C	
885-19883-4	HA02@4'	Total/NA	Solid	5030C	
MB 885-20793/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-20793/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-20793/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Analysis Batch: 20909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-19883-1	HA01@1'	Total/NA	Solid	8015M/D	20793
885-19883-4	HA02@4'	Total/NA	Solid	8015M/D	20793
MB 885-20793/1-A	Method Blank	Total/NA	Solid	8015M/D	20793
LCS 885-20793/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	20793

Analysis Batch: 20910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-19883-1	HA01@1'	Total/NA	Solid	8021B	20793
885-19883-4	HA02@4'	Total/NA	Solid	8021B	20793
MB 885-20793/1-A	Method Blank	Total/NA	Solid	8021B	20793
LCS 885-20793/3-A	Lab Control Sample	Total/NA	Solid	8021B	20793

Prep Batch: 20934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-19883-5	HA03@3'	Total/NA	Solid	5030C	
885-19883-6	HA03@5'	Total/NA	Solid	5030C	
885-19883-7	HA04@2'	Total/NA	Solid	5030C	
885-19883-8	HA04@3'	Total/NA	Solid	5030C	
MB 885-20934/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-20934/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-20934/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-19883-5 MS	HA03@3'	Total/NA	Solid	5030C	
885-19883-5 MSD	HA03@3'	Total/NA	Solid	5030C	
885-19883-6 MS	HA03@5'	Total/NA	Solid	5030C	
885-19883-6 MSD	HA03@5'	Total/NA	Solid	5030C	

Analysis Batch: 21046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-19883-2	HA01@4'	Total/NA	Solid	8021B	20793
885-19883-3	HA02@2'	Total/NA	Solid	8021B	20793

Analysis Batch: 21047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-19883-2	HA01@4'	Total/NA	Solid	8015M/D	20793
885-19883-3	HA02@2'	Total/NA	Solid	8015M/D	20793

Analysis Batch: 21050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-19883-5	HA03@3'	Total/NA	Solid	8015M/D	20934
885-19883-6	HA03@5'	Total/NA	Solid	8015M/D	20934
885-19883-7	HA04@2'	Total/NA	Solid	8015M/D	20934

QC Association Summary

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Job ID: 885-19883-1

GC VOA (Continued)

Analysis Batch: 21050 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-19883-8	HA04@3'	Total/NA	Solid	8015M/D	20934
MB 885-20934/1-A	Method Blank	Total/NA	Solid	8015M/D	20934
LCS 885-20934/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	20934
885-19883-5 MS	HA03@3'	Total/NA	Solid	8015M/D	20934
885-19883-5 MSD	HA03@3'	Total/NA	Solid	8015M/D	20934

Analysis Batch: 21051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-19883-5	HA03@3'	Total/NA	Solid	8021B	20934
885-19883-6	HA03@5'	Total/NA	Solid	8021B	20934
885-19883-7	HA04@2'	Total/NA	Solid	8021B	20934
885-19883-8	HA04@3'	Total/NA	Solid	8021B	20934
MB 885-20934/1-A	Method Blank	Total/NA	Solid	8021B	20934
LCS 885-20934/3-A	Lab Control Sample	Total/NA	Solid	8021B	20934
885-19883-6 MS	HA03@5'	Total/NA	Solid	8021B	20934
885-19883-6 MSD	HA03@5'	Total/NA	Solid	8021B	20934

GC Semi VOA

Prep Batch: 20900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-19883-1	HA01@1'	Total/NA	Solid	SHAKE	
885-19883-2	HA01@4'	Total/NA	Solid	SHAKE	
885-19883-3	HA02@2'	Total/NA	Solid	SHAKE	
885-19883-4	HA02@4'	Total/NA	Solid	SHAKE	
885-19883-5	HA03@3'	Total/NA	Solid	SHAKE	
885-19883-6	HA03@5'	Total/NA	Solid	SHAKE	
885-19883-7	HA04@2'	Total/NA	Solid	SHAKE	
885-19883-8	HA04@3'	Total/NA	Solid	SHAKE	
MB 885-20900/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-20900/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-19883-4 MS	HA02@4'	Total/NA	Solid	SHAKE	
885-19883-4 MSD	HA02@4'	Total/NA	Solid	SHAKE	

Analysis Batch: 20908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-19883-1	HA01@1'	Total/NA	Solid	8015M/D	20900
885-19883-3	HA02@2'	Total/NA	Solid	8015M/D	20900
885-19883-4	HA02@4'	Total/NA	Solid	8015M/D	20900
885-19883-5	HA03@3'	Total/NA	Solid	8015M/D	20900
885-19883-6	HA03@5'	Total/NA	Solid	8015M/D	20900
885-19883-7	HA04@2'	Total/NA	Solid	8015M/D	20900
885-19883-8	HA04@3'	Total/NA	Solid	8015M/D	20900
MB 885-20900/1-A	Method Blank	Total/NA	Solid	8015M/D	20900
LCS 885-20900/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	20900
885-19883-4 MS	HA02@4'	Total/NA	Solid	8015M/D	20900
885-19883-4 MSD	HA02@4'	Total/NA	Solid	8015M/D	20900

Analysis Batch: 21001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-19883-2	HA01@4'	Total/NA	Solid	8015M/D	20900

QC Association Summary

Client: Hilcorp Energy
Job ID: 885-19883-1
Project/Site: San Juan 29-6 #74B

HPLC/IC

Prep Batch: 20803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-19883-1	HA01@1'	Total/NA	Solid	300_Prep	
885-19883-2	HA01@4'	Total/NA	Solid	300_Prep	
885-19883-3	HA02@2'	Total/NA	Solid	300_Prep	
885-19883-4	HA02@4'	Total/NA	Solid	300_Prep	
885-19883-5	HA03@3'	Total/NA	Solid	300_Prep	
885-19883-6	HA03@5'	Total/NA	Solid	300_Prep	
885-19883-7	HA04@2'	Total/NA	Solid	300_Prep	
885-19883-8	HA04@3'	Total/NA	Solid	300_Prep	
MB 885-20803/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-20803/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-19883-1 MS	HA01@1'	Total/NA	Solid	300_Prep	
885-19883-1 MSD	HA01@1'	Total/NA	Solid	300_Prep	

Analysis Batch: 20838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-19883-1	HA01@1'	Total/NA	Solid	300.0	20803
885-19883-2	HA01@4'	Total/NA	Solid	300.0	20803
885-19883-3	HA02@2'	Total/NA	Solid	300.0	20803
885-19883-4	HA02@4'	Total/NA	Solid	300.0	20803
885-19883-5	HA03@3'	Total/NA	Solid	300.0	20803
885-19883-6	HA03@5'	Total/NA	Solid	300.0	20803
885-19883-7	HA04@2'	Total/NA	Solid	300.0	20803
885-19883-8	HA04@3'	Total/NA	Solid	300.0	20803
MB 885-20803/1-A	Method Blank	Total/NA	Solid	300.0	20803
LCS 885-20803/2-A	Lab Control Sample	Total/NA	Solid	300.0	20803
885-19883-1 MS	HA01@1'	Total/NA	Solid	300.0	20803
885-19883-1 MSD	HA01@1'	Total/NA	Solid	300.0	20803

Lab Chronicle

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Job ID: 885-19883-1

Client Sample ID: HA01@1'

Lab Sample ID: 885-19883-1
Matrix: Solid
Date Collected: 02/12/25 10:50
Date Received: 02/13/25 06:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			20793	AT	EET ALB	02/13/25 13:15
Total/NA	Analysis	8015M/D		20	20909	AT	EET ALB	02/17/25 20:23
Total/NA	Prep	5030C			20793	AT	EET ALB	02/13/25 13:15
Total/NA	Analysis	8021B		20	20910	AT	EET ALB	02/17/25 20:23
Total/NA	Prep	SHAKE			20900	MI	EET ALB	02/17/25 08:29
Total/NA	Analysis	8015M/D		1	20908	MI	EET ALB	02/17/25 18:36
Total/NA	Prep	300_Prep			20803	RC	EET ALB	02/13/25 15:39
Total/NA	Analysis	300.0		20	20838	EH	EET ALB	02/14/25 15:00

Client Sample ID: HA01@4'

Lab Sample ID: 885-19883-2
Matrix: Solid
Date Collected: 02/12/25 10:55
Date Received: 02/13/25 06:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			20793	AT	EET ALB	02/13/25 13:15
Total/NA	Analysis	8015M/D		50	21047	AT	EET ALB	02/18/25 18:19
Total/NA	Prep	5030C			20793	AT	EET ALB	02/13/25 13:15
Total/NA	Analysis	8021B		50	21046	AT	EET ALB	02/18/25 18:19
Total/NA	Prep	SHAKE			20900	MI	EET ALB	02/17/25 08:29
Total/NA	Analysis	8015M/D		2	21001	MI	EET ALB	02/18/25 17:17
Total/NA	Prep	300_Prep			20803	RC	EET ALB	02/13/25 15:39
Total/NA	Analysis	300.0		20	20838	EH	EET ALB	02/14/25 15:51

Client Sample ID: HA02@2'

Lab Sample ID: 885-19883-3
Matrix: Solid
Date Collected: 02/12/25 11:30
Date Received: 02/13/25 06:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			20793	AT	EET ALB	02/13/25 13:15
Total/NA	Analysis	8015M/D		1	21047	AT	EET ALB	02/18/25 17:57
Total/NA	Prep	5030C			20793	AT	EET ALB	02/13/25 13:15
Total/NA	Analysis	8021B		1	21046	AT	EET ALB	02/18/25 17:57
Total/NA	Prep	SHAKE			20900	MI	EET ALB	02/17/25 08:29
Total/NA	Analysis	8015M/D		1	20908	MI	EET ALB	02/17/25 19:22
Total/NA	Prep	300_Prep			20803	RC	EET ALB	02/13/25 15:39
Total/NA	Analysis	300.0		20	20838	EH	EET ALB	02/14/25 16:02

Client Sample ID: HA02@4'

Lab Sample ID: 885-19883-4
Matrix: Solid
Date Collected: 02/12/25 11:40
Date Received: 02/13/25 06:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			20793	AT	EET ALB	02/13/25 13:15
Total/NA	Analysis	8015M/D		1	20909	AT	EET ALB	02/17/25 21:28

Lab Chronicle

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Job ID: 885-19883-1

Client Sample ID: HA02@4'
Lab Sample ID: 885-19883-4
Date Collected: 02/12/25 11:40
Matrix: Solid
Date Received: 02/13/25 06:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			20793	AT	EET ALB	02/13/25 13:15
Total/NA	Analysis	8021B		1	20910	AT	EET ALB	02/17/25 21:28
Total/NA	Prep	SHAKE			20900	MI	EET ALB	02/17/25 08:29
Total/NA	Analysis	8015M/D		1	20908	MI	EET ALB	02/17/25 19:46
Total/NA	Prep	300_Prep			20803	RC	EET ALB	02/13/25 15:39
Total/NA	Analysis	300.0		20	20838	EH	EET ALB	02/14/25 16:12

Client Sample ID: HA03@3'
Lab Sample ID: 885-19883-5
Date Collected: 02/12/25 12:00
Matrix: Solid
Date Received: 02/13/25 06:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			20934	AT	EET ALB	02/17/25 12:33
Total/NA	Analysis	8015M/D		1	21050	AT	EET ALB	02/18/25 21:13
Total/NA	Prep	5030C			20934	AT	EET ALB	02/17/25 12:33
Total/NA	Analysis	8021B		1	21051	AT	EET ALB	02/18/25 21:13
Total/NA	Prep	SHAKE			20900	MI	EET ALB	02/17/25 13:47
Total/NA	Analysis	8015M/D		1	20908	MI	EET ALB	02/17/25 14:53
Total/NA	Prep	300_Prep			20803	RC	EET ALB	02/13/25 15:39
Total/NA	Analysis	300.0		20	20838	EH	EET ALB	02/14/25 16:22

Client Sample ID: HA03@5'
Lab Sample ID: 885-19883-6
Date Collected: 02/12/25 12:10
Matrix: Solid
Date Received: 02/13/25 06:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			20934	AT	EET ALB	02/17/25 12:33
Total/NA	Analysis	8015M/D		1	21050	AT	EET ALB	02/18/25 22:40
Total/NA	Prep	5030C			20934	AT	EET ALB	02/17/25 12:33
Total/NA	Analysis	8021B		1	21051	AT	EET ALB	02/18/25 22:40
Total/NA	Prep	SHAKE			20900	MI	EET ALB	02/17/25 13:47
Total/NA	Analysis	8015M/D		1	20908	MI	EET ALB	02/17/25 15:16
Total/NA	Prep	300_Prep			20803	RC	EET ALB	02/13/25 15:39
Total/NA	Analysis	300.0		20	20838	EH	EET ALB	02/14/25 16:33

Client Sample ID: HA04@2'
Lab Sample ID: 885-19883-7
Date Collected: 02/12/25 12:30
Matrix: Solid
Date Received: 02/13/25 06:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			20934	AT	EET ALB	02/17/25 12:33
Total/NA	Analysis	8015M/D		1	21050	AT	EET ALB	02/18/25 23:45
Total/NA	Prep	5030C			20934	AT	EET ALB	02/17/25 12:33
Total/NA	Analysis	8021B		1	21051	AT	EET ALB	02/18/25 23:45

Lab Chronicle

Client: Hilcorp Energy
Job ID: 885-19883-1
Project/Site: San Juan 29-6 #74B

Client Sample ID: HA04@2'
Lab Sample ID: 885-19883-7
Date Collected: 02/12/25 12:30
Matrix: Solid
Date Received: 02/13/25 06:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			20900	MI	EET ALB	02/17/25 13:47
Total/NA	Analysis	8015M/D		1	20908	MI	EET ALB	02/17/25 15:40
Total/NA	Prep	300_Prep			20803	RC	EET ALB	02/13/25 15:39
Total/NA	Analysis	300.0		20	20838	EH	EET ALB	02/14/25 16:43

Client Sample ID: HA04@3'
Lab Sample ID: 885-19883-8
Date Collected: 02/12/25 12:40
Matrix: Solid
Date Received: 02/13/25 06:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			20934	AT	EET ALB	02/17/25 12:33
Total/NA	Analysis	8015M/D		1	21050	AT	EET ALB	02/19/25 00:07
Total/NA	Prep	5030C			20934	AT	EET ALB	02/17/25 12:33
Total/NA	Analysis	8021B		1	21051	AT	EET ALB	02/19/25 00:07
Total/NA	Prep	SHAKE			20900	MI	EET ALB	02/17/25 13:47
Total/NA	Analysis	8015M/D		1	20908	MI	EET ALB	02/17/25 16:03
Total/NA	Prep	300_Prep			20803	RC	EET ALB	02/13/25 15:39
Total/NA	Analysis	300.0		20	20838	EH	EET ALB	02/14/25 16:53

Laboratory References:

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

Accreditation/Certification Summary

Client: Hilcorp Energy
Job ID: 885-19883-1
Project/Site: San Juan 29-6 #74B

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	02-26-25

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

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

Oregon	NELAP	NM100001	02-25-25

Chain-of-Custody Record

Client: Hilcorp Energy Company

Mailing Address:

Phone #: 816-266-8732

email or Fax#: WWeichert@Ensolum.com

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: San Juan 29-6 #74B

Project #:

Project Manager: Wes Weichert

Sampler: W. Weichert

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CF): 2.3 ± 0 = 2.3 (°C)

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

885-19883 COC

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (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, NO3, NO2, PO4, SO4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
2-12	10:50	Soil	HA01@1'	4oz glass	none		X	X					X			
	10:55		HA01@4'													
	11:30		HA02@2'													
	11:40		HA02@4'													
	12:00		HA03@3'													
	12:10		HA03@5'													
	12:30		HA04@2'													
↓	12:40	↓	HA04@3'	↓	↓		↓	↓					↓			

Date	Time	Relinquished by	Received by	Via	Date	Time
2/12/25	1411	Wm Weichert	[illegible]		2/12/25	1411
2/12/25	1740	[illegible]	[illegible]	courier	2/13/25	10:30

Remarks: CC Kate Kaufman
KKaufman@hilcorp.com
Stuart Hyde
Shyde@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

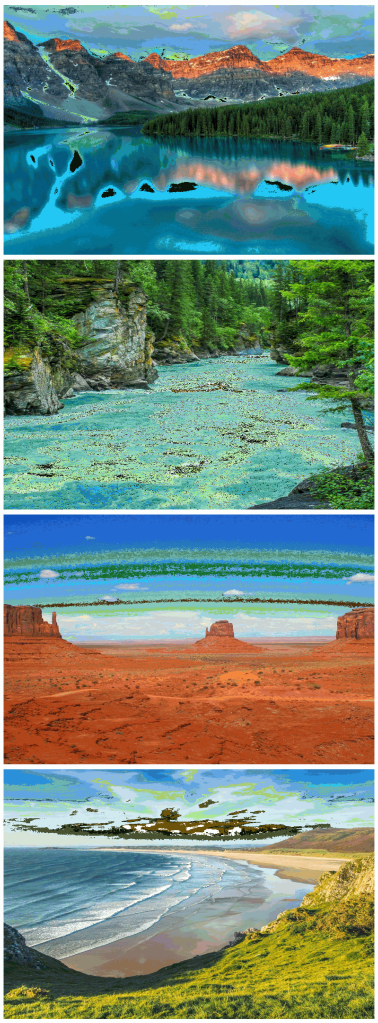
Client: Hilcorp Energy Job Number: 885-19883-1

Login Number: 19883 **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.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Report to:

Wes Weichert



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 29-6 #74B
Work Order:	E502277
Job Number:	17051-0002
Received:	2/26/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/28/25

Date Reported: 2/28/25

Wes Weichert
PO Box 61529
Houston, TX 77208

Project Name: San Juan 29-6 #74B
Workorder: E502277
Date Received: 2/26/2025 2:26:00PM

Wes Weichert,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/26/2025 2:26:00PM, under the Project Name: San Juan 29-6 #74B.

The analytical test results summarized in this report with the Project Name: San Juan 29-6 #74B apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
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Office: 505-421-LABS(5227)
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ljarboe@envirotech-inc.com

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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 29-6 #74B	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Wes Weichert	02/28/25 14:05

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH01@5'	E502277-01A	Soil	02/26/25	02/26/25	Glass Jar, 4 oz.
PH01@10'	E502277-02A	Soil	02/26/25	02/26/25	Glass Jar, 4 oz.
PH02@2'	E502277-03A	Soil	02/26/25	02/26/25	Glass Jar, 4 oz.
PH02@7'	E502277-04A	Soil	02/26/25	02/26/25	Glass Jar, 4 oz.
PH03@7'	E502277-05A	Soil	02/26/25	02/26/25	Glass Jar, 4 oz.
PH03@8'	E502277-06A	Soil	02/26/25	02/26/25	Glass Jar, 4 oz.
PH04@4'	E502277-07A	Soil	02/26/25	02/26/25	Glass Jar, 4 oz.
PH04@8'	E502277-08A	Soil	02/26/25	02/26/25	Glass Jar, 4 oz.

Sample Data

Hilcorp Energy Co	Project Name:	San Juan 29-6 #74B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Wes Weichert	2/28/2025 2:05:05PM

PH01@5'

E502277-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2509092
Benzene	**1.89**	0.250	10	02/27/25	02/27/25	
Ethylbenzene	**9.93**	0.250	10	02/27/25	02/27/25	
Toluene	**41.7**	0.250	10	02/27/25	02/27/25	
o-Xylene	**29.0**	0.250	10	02/27/25	02/27/25	
p,m-Xylene	**122**	0.500	10	02/27/25	02/27/25	
Total Xylenes	**151**	0.250	10	02/27/25	02/27/25	
Surrogate: 4-Bromochlorobenzene-PID		*81.3 %*	*70-130*	*02/27/25*	*02/27/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2509092
Gasoline Range Organics (C6-C10)	**1430**	200	10	02/27/25	02/27/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*117 %*	*70-130*	*02/27/25*	*02/27/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2509093
Diesel Range Organics (C10-C28)	**721**	25.0	1	02/27/25	02/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/27/25	02/27/25	
Surrogate: n-Nonane		*400 %*	*61-141*	*02/27/25*	*02/27/25*	*S5*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2509094
Chloride	**49.1**	20.0	1	02/27/25	02/27/25	

Sample Data

Hilcorp Energy Co	Project Name:	San Juan 29-6 #74B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Wes Weichert	2/28/2025 2:05:05PM

PH01@10'

E502277-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2509092
Benzene	**0.276**	0.125	5	02/27/25	02/27/25	
Ethylbenzene	**2.69**	0.125	5	02/27/25	02/27/25	
Toluene	**7.84**	0.125	5	02/27/25	02/27/25	
o-Xylene	**7.74**	0.125	5	02/27/25	02/27/25	
p,m-Xylene	**34.4**	0.250	5	02/27/25	02/27/25	
Total Xylenes	**42.2**	0.125	5	02/27/25	02/27/25	
Surrogate: 4-Bromochlorobenzene-PID		*82.1 %*	*70-130*	*02/27/25*	*02/27/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2509092
Gasoline Range Organics (C6-C10)	**304**	100	5	02/27/25	02/27/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*101 %*	*70-130*	*02/27/25*	*02/27/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2509093
Diesel Range Organics (C10-C28)	**289**	25.0	1	02/27/25	02/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/27/25	02/27/25	
Surrogate: n-Nonane		*195 %*	*61-141*	*02/27/25*	*02/27/25*	*S5*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2509094
Chloride	ND	20.0	1	02/27/25	02/27/25	

Sample Data

Hilcorp Energy Co	Project Name:	San Juan 29-6 #74B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Wes Weichert	2/28/2025 2:05:05PM

PH02@2'

E502277-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2509092
Benzene	ND	0.250	10	02/27/25	02/27/25	
Ethylbenzene	**2.73**	0.250	10	02/27/25	02/27/25	
Toluene	**3.12**	0.250	10	02/27/25	02/27/25	
o-Xylene	**11.1**	0.250	10	02/27/25	02/27/25	
p,m-Xylene	**37.2**	0.500	10	02/27/25	02/27/25	
Total Xylenes	**48.3**	0.250	10	02/27/25	02/27/25	
Surrogate: 4-Bromochlorobenzene-PID		*83.9 %*	*70-130*	*02/27/25*	*02/27/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2509092
Gasoline Range Organics (C6-C10)	**776**	200	10	02/27/25	02/27/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*116 %*	*70-130*	*02/27/25*	*02/27/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2509093
Diesel Range Organics (C10-C28)	**25.7**	25.0	1	02/27/25	02/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/27/25	02/27/25	
Surrogate: n-Nonane		*84.7 %*	*61-141*	*02/27/25*	*02/27/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2509094
Chloride	ND	20.0	1	02/27/25	02/27/25	

Sample Data

Hilcorp Energy Co	Project Name:	San Juan 29-6 #74B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Wes Weichert	2/28/2025 2:05:05PM

PH02@7'

E502277-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2509092
Benzene	**0.132**	0.0250	1	02/27/25	02/27/25	
Ethylbenzene	**0.528**	0.0250	1	02/27/25	02/27/25	
Toluene	**2.62**	0.0250	1	02/27/25	02/27/25	
o-Xylene	**1.40**	0.0250	1	02/27/25	02/27/25	
p,m-Xylene	**6.53**	0.0500	1	02/27/25	02/27/25	
Total Xylenes	**7.93**	0.0250	1	02/27/25	02/27/25	
Surrogate: 4-Bromochlorobenzene-PID		*82.4 %*	*70-130*	*02/27/25*	*02/27/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2509092
Gasoline Range Organics (C6-C10)	**94.1**	20.0	1	02/27/25	02/27/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*111 %*	*70-130*	*02/27/25*	*02/27/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2509093
Diesel Range Organics (C10-C28)	**226**	25.0	1	02/27/25	02/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/27/25	02/27/25	
Surrogate: n-Nonane		*189 %*	*61-141*	*02/27/25*	*02/27/25*	*S5*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2509094
Chloride	**20.5**	20.0	1	02/27/25	02/27/25	

Sample Data

Hilcorp Energy Co	Project Name:	San Juan 29-6 #74B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Wes Weichert	2/28/2025 2:05:05PM

PH03@7'

E502277-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2509092
Benzene	ND	0.0250	1	02/27/25	02/27/25	
Ethylbenzene	ND	0.0250	1	02/27/25	02/27/25	
Toluene	ND	0.0250	1	02/27/25	02/27/25	
o-Xylene	ND	0.0250	1	02/27/25	02/27/25	
p,m-Xylene	ND	0.0500	1	02/27/25	02/27/25	
Total Xylenes	ND	0.0250	1	02/27/25	02/27/25	
Surrogate: 4-Bromochlorobenzene-PID		*83.8 %*	*70-130*	*02/27/25*	*02/27/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2509092
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/27/25	02/27/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*02/27/25*	*02/27/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2509093
Diesel Range Organics (C10-C28)	ND	25.0	1	02/27/25	02/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/27/25	02/27/25	
Surrogate: n-Nonane		*99.6 %*	*61-141*	*02/27/25*	*02/27/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2509094
Chloride	**27.8**	20.0	1	02/27/25	02/27/25	

Sample Data

Hilcorp Energy Co	Project Name:	San Juan 29-6 #74B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Wes Weichert	2/28/2025 2:05:05PM

PH03@8'

E502277-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2509092
Benzene	ND	0.0250	1	02/27/25	02/27/25	
Ethylbenzene	ND	0.0250	1	02/27/25	02/27/25	
Toluene	**0.0605**	0.0250	1	02/27/25	02/27/25	
o-Xylene	**0.0471**	0.0250	1	02/27/25	02/27/25	
p,m-Xylene	**0.178**	0.0500	1	02/27/25	02/27/25	
Total Xylenes	**0.225**	0.0250	1	02/27/25	02/27/25	
Surrogate: 4-Bromochlorobenzene-PID		*77.4 %*	*70-130*	*02/27/25*	*02/27/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2509092
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/27/25	02/27/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.1 %*	*70-130*	*02/27/25*	*02/27/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2509093
Diesel Range Organics (C10-C28)	ND	25.0	1	02/27/25	02/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/27/25	02/27/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*02/27/25*	*02/27/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2509094
Chloride	ND	40.0	2	02/27/25	02/27/25	

Sample Data

Hilcorp Energy Co	Project Name:	San Juan 29-6 #74B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Wes Weichert	2/28/2025 2:05:05PM

PH04@4'

E502277-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2509092
Benzene	ND	0.0250	1	02/27/25	02/27/25	
Ethylbenzene	ND	0.0250	1	02/27/25	02/27/25	
Toluene	ND	0.0250	1	02/27/25	02/27/25	
o-Xylene	ND	0.0250	1	02/27/25	02/27/25	
p,m-Xylene	ND	0.0500	1	02/27/25	02/27/25	
Total Xylenes	ND	0.0250	1	02/27/25	02/27/25	
Surrogate: 4-Bromochlorobenzene-PID		*78.1 %*	*70-130*	*02/27/25*	*02/27/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2509092
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/27/25	02/27/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*	*70-130*	*02/27/25*	*02/27/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2509093
Diesel Range Organics (C10-C28)	ND	25.0	1	02/27/25	02/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/27/25	02/27/25	
Surrogate: n-Nonane		*91.1 %*	*61-141*	*02/27/25*	*02/27/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2509094
Chloride	ND	20.0	1	02/27/25	02/27/25	

Sample Data

Hilcorp Energy Co	Project Name:	San Juan 29-6 #74B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Wes Weichert	2/28/2025 2:05:05PM

PH04@8'

E502277-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2509092
Benzene	ND	0.0250	1	02/27/25	02/27/25	
Ethylbenzene	ND	0.0250	1	02/27/25	02/27/25	
Toluene	ND	0.0250	1	02/27/25	02/27/25	
o-Xylene	ND	0.0250	1	02/27/25	02/27/25	
p,m-Xylene	ND	0.0500	1	02/27/25	02/27/25	
Total Xylenes	ND	0.0250	1	02/27/25	02/27/25	
Surrogate: 4-Bromochlorobenzene-PID		*78.8 %*	*70-130*	*02/27/25*	*02/27/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2509092
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/27/25	02/27/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*02/27/25*	*02/27/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2509093
Diesel Range Organics (C10-C28)	ND	25.0	1	02/27/25	02/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/27/25	02/27/25	
Surrogate: n-Nonane		*96.3 %*	*61-141*	*02/27/25*	*02/27/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2509094
Chloride	ND	20.0	1	02/27/25	02/27/25	

QC Summary Data

Hilcorp Energy Co	Project Name:	San Juan 29-6 #74B	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Wes Weichert	2/28/2025 2:05:05PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2509092-BLK1)									Prepared: 02/26/25 Analyzed: 02/26/25
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	*6.49*		*8.00*		*81.2*	*70-130*			
LCS (2509092-BS1)									Prepared: 02/26/25 Analyzed: 02/27/25
Benzene	5.40	0.0250	5.00		108	70-130			
Ethylbenzene	5.16	0.0250	5.00		103	70-130			
Toluene	5.31	0.0250	5.00		106	70-130			
o-Xylene	5.11	0.0250	5.00		102	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.5	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.53*		*8.00*		*81.6*	*70-130*			
LCS Dup (2509092-BSD1)									Prepared: 02/26/25 Analyzed: 02/27/25
Benzene	5.39	0.0250	5.00		108	70-130	0.209	20	
Ethylbenzene	5.15	0.0250	5.00		103	70-130	0.203	20	
Toluene	5.30	0.0250	5.00		106	70-130	0.0669	20	
o-Xylene	5.11	0.0250	5.00		102	70-130	0.0597	20	
p,m-Xylene	10.4	0.0500	10.0		104	70-130	0.274	20	
Total Xylenes	15.5	0.0250	15.0		103	70-130	0.164	20	
Surrogate: 4-Bromochlorobenzene-PID	*6.52*		*8.00*		*81.5*	*70-130*			

QC Summary Data

Hilcorp Energy Co	Project Name:	San Juan 29-6 #74B	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Wes Weichert	2/28/2025 2:05:05PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2509092-BLK1)									Prepared: 02/26/25 Analyzed: 02/26/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.46*		*8.00*		*93.2*	*70-130*			
LCS (2509092-BS2)									Prepared: 02/26/25 Analyzed: 02/27/25
Gasoline Range Organics (C6-C10)	43.8	20.0	50.0		87.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.59*		*8.00*		*94.8*	*70-130*			
LCS Dup (2509092-BSD2)									Prepared: 02/26/25 Analyzed: 02/27/25
Gasoline Range Organics (C6-C10)	42.0	20.0	50.0		84.0	70-130	4.12	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.60*		*8.00*		*94.9*	*70-130*			

QC Summary Data

Hilcorp Energy Co	Project Name:	San Juan 29-6 #74B	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Wes Weichert	2/28/2025 2:05:05PM

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 (2509093-BLK1)									Prepared: 02/27/25 Analyzed: 02/27/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*46.7*		*50.0*		*93.5*	*61-141*			
LCS (2509093-BS1)									Prepared: 02/27/25 Analyzed: 02/27/25
Diesel Range Organics (C10-C28)	220	25.0	250		88.0	66-144			
Surrogate: n-Nonane	*46.3*		*50.0*		*92.6*	*61-141*			
LCS Dup (2509093-BSD1)									Prepared: 02/27/25 Analyzed: 02/27/25
Diesel Range Organics (C10-C28)	223	25.0	250		89.1	66-144	1.24	20	
Surrogate: n-Nonane	*46.9*		*50.0*		*93.9*	*61-141*			

QC Summary Data

Hilcorp Energy Co	Project Name:	San Juan 29-6 #74B	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Wes Weichert	2/28/2025 2:05:05PM

Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2509094-BLK1)									Prepared: 02/27/25 Analyzed: 02/27/25
Chloride	ND	20.0							
LCS (2509094-BS1)									Prepared: 02/27/25 Analyzed: 02/27/25
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2509094-MS1)				**Source: E502277-04**					Prepared: 02/27/25 Analyzed: 02/27/25
Chloride	272	20.0	250	20.5	101	80-120			
Matrix Spike Dup (2509094-MSD1)				**Source: E502277-04**					Prepared: 02/27/25 Analyzed: 02/27/25
Chloride	272	20.0	250	20.5	100	80-120	0.0401	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 29-6 #74B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Wes Weichert	02/28/25 14:05

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.

Chain of Custody

Client Information
Client: Hilcorp / Ensolum
Project Name: San Juan 29-6 #74B
Project Manager: Wes Weichert
Address: 848 E 2nd Ave.
City, State, Zip: Durango CO 81301
Phone: 816-266-8732
Email: WWeichert@Ensolum.com

Invoice Information
Company: Hilcorp
Address:
City, State, Zip:
Phone:
Email: KKaufman@Hilcorp.com
Miscellaneous: ~~Sayde~~ Shyde@ensolum.com

Lab Use Only
Lab WO#: E502277
Job Number: 17051-0002

TAT
1D: X | 2D: | 3D: | Std: X
NS 2-26-25

State
NM | CO | UT | TX |

EPA Program
SDWA | CWA | RCRA
Compliance | Y | or | N
PWSID #

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			Remarks
10:15	2-26	Soil	1	PH01@5'		1	X	X	X		X							Changed TAT
10:30	2-26	Soil	1	PH01@10'		2	X	X	X		X							Per client.
10:45	2-26			PH02@2'		3	X	X	X		X							NS 2-26-25
11:00				PH02@7'		4	X	X	X		X							
11:15				PH03@7'		5	X	X	X		X							
11:30				PH03@8'		6	X	X	X		X							
11:45				PH04@4'		7	X	X	X		X							
12:00				PH04@8'		8	X	X	X		X							
											/							

Additional Instructions:

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Wes Weichert	2-26-25	14:26	[signature]	2/26/25	14:26
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 in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only
Received on ice: (Y) N
T1 T2 T3
AVG Temp °C 4

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

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Hilcorp / Ensolum	Company: Hilcorp	Lab WO# E502277	Job Number 17051-0002	1D 2D 3D Std: Std
Project Name: San Juan 29-6 #74B	Address:			NM CO UT TX
Project Manager: Wes Weichert	City, State, Zip:			
Address: 848 E 2nd Ave.	Phone:			
City, State, Zip: Durango CO 81301	Email: KKaufman@Hilcorp.com			
Phone: 816-266-8732	Miscellaneous: Shyde@ensolum.com			
Email: WWeichert@Ensolum.com				

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			Remarks
10:15	2-26	Soil	1	PH01@5'		1	X	X	X		X							
10:30	2-26	Soil	1	PH01@10'		2	X	X	X		X							
10:45	2-26			PH02@2'		3	X	X	X		X							
11:00				PH02@7'		4	X	X	X		X							
11:15				PH03@7'		5	X	X	X		X							
11:30				PH03@8'		6	X	X	X		X							
11:45				PH04@4'		7	X	X	X		X							
12:00				PH04@8'		8	X	X	X		X							

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions:

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

Sampled by: W. Weichert

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Wes Weichert	2-26-25	14:26	[signature]	2/26/25	14:26
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 in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) N

T1 T2 T3

AVG Temp °C 4

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

Envirotech Analytical Laboratory

Printed: 2/26/2025 4:49:17PM

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:	02/26/25 14:26	Work Order ID:	E502277
Phone:	-	Date Logged In:	02/26/25 16:38	Logged In By:	Noe Soto
Email:	wweichert@ensolum.com	Due Date:	03/05/25 17:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Wes Weichert
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? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

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 filteration 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.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/8/2025 8:23:49 PM

JOB DESCRIPTION

San Juan 29-6 #74B

JOB NUMBER

885-22467-1

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

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4/8/2025 8:23:49 PM

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

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Laboratory Job ID: 885-22467-1

Table of Contents

Definitions/Glossary

Client: Hilcorp Energy
Job ID: 885-22467-1
Project/Site: San Juan 29-6 #74B

Qualifiers

GC VOA

Qualifier	Qualifier Description
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 29-6 #74B

Job ID: 885-22467-1

Job ID: 885-22467-1 Eurofins Albuquerque

Job Narrative
885-22467-1

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 4/2/2025 7:10 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 4.5°C.

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

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

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

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

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Job ID: 885-22467-1

Client Sample ID: BH01@20'

Date Collected: 04/01/25 09:40
Date Received: 04/02/25 07:10

Lab Sample ID: 885-22467-1

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]	**70**		5.0		mg/Kg		04/03/25 10:16	04/04/25 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*195*	*S1+*	*35 - 166*	*04/03/25 10:16*	*04/04/25 18:38*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		04/03/25 10:16	04/04/25 18:38	1
Ethylbenzene	**0.27**		0.050		mg/Kg		04/03/25 10:16	04/04/25 18:38	1
Toluene	**0.079**		0.050		mg/Kg		04/03/25 10:16	04/04/25 18:38	1
Xylenes, Total	**2.9**		0.099		mg/Kg		04/03/25 10:16	04/04/25 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*158*	*S1+*	*48 - 145*	*04/03/25 10:16*	*04/04/25 18:38*	*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]	**57**		9.6		mg/Kg		04/04/25 13:27	04/04/25 22:51	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		04/04/25 13:27	04/04/25 22:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*109*		*62 - 134*	*04/04/25 13:27*	*04/04/25 22:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		04/03/25 13:20	04/03/25 18:26	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Job ID: 885-22467-1

Client Sample ID: BH01@25'

Date Collected: 04/01/25 09:50
Date Received: 04/02/25 07:10

Lab Sample ID: 885-22467-2

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]	**62**		4.9		mg/Kg		04/03/25 10:16	04/04/25 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*193*	*S1+*	*35 - 166*	*04/03/25 10:16*	*04/04/25 19:22*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		04/03/25 10:16	04/04/25 19:22	1
Ethylbenzene	**0.26**		0.049		mg/Kg		04/03/25 10:16	04/04/25 19:22	1
Toluene	**0.15**		0.049		mg/Kg		04/03/25 10:16	04/04/25 19:22	1
Xylenes, Total	**2.8**		0.098		mg/Kg		04/03/25 10:16	04/04/25 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*158*	*S1+*	*48 - 145*	*04/03/25 10:16*	*04/04/25 19:22*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**19**		9.8		mg/Kg		04/04/25 13:27	04/04/25 23:02	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		04/04/25 13:27	04/04/25 23:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*100*		*62 - 134*	*04/04/25 13:27*	*04/04/25 23:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		04/03/25 13:20	04/03/25 19:18	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Job ID: 885-22467-1

Client Sample ID: BH01@30'

Date Collected: 04/01/25 10:15
Date Received: 04/02/25 07:10

Lab Sample ID: 885-22467-3

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		5.0		mg/Kg		04/03/25 10:16	04/04/25 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*35 - 166*	*04/03/25 10:16*	*04/04/25 19:43*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		04/03/25 10:16	04/04/25 19:43	1
Ethylbenzene	ND		0.050		mg/Kg		04/03/25 10:16	04/04/25 19:43	1
Toluene	ND		0.050		mg/Kg		04/03/25 10:16	04/04/25 19:43	1
Xylenes, Total	ND		0.10		mg/Kg		04/03/25 10:16	04/04/25 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*48 - 145*	*04/03/25 10:16*	*04/04/25 19:43*	*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		9.1		mg/Kg		04/04/25 13:27	04/04/25 23:14	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		04/04/25 13:27	04/04/25 23:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*108*		*62 - 134*	*04/04/25 13:27*	*04/04/25 23:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		04/03/25 13:20	04/03/25 19:49	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Job ID: 885-22467-1

Client Sample ID: BH02@15'

Date Collected: 04/01/25 10:40
Date Received: 04/02/25 07:10

Lab Sample ID: 885-22467-4

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		04/03/25 10:16	04/04/25 20:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*35 - 166*	*04/03/25 10:16*	*04/04/25 20:05*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		04/03/25 10:16	04/04/25 20:05	1
Ethylbenzene	ND		0.049		mg/Kg		04/03/25 10:16	04/04/25 20:05	1
Toluene	ND		0.049		mg/Kg		04/03/25 10:16	04/04/25 20:05	1
Xylenes, Total	ND		0.099		mg/Kg		04/03/25 10:16	04/04/25 20:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*48 - 145*	*04/03/25 10:16*	*04/04/25 20:05*	*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]	**15**		9.6		mg/Kg		04/04/25 13:27	04/04/25 23:25	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		04/04/25 13:27	04/04/25 23:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*111*		*62 - 134*	*04/04/25 13:27*	*04/04/25 23:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		61		mg/Kg		04/03/25 13:20	04/03/25 20:00	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Job ID: 885-22467-1

Client Sample ID: BH02@25'

Date Collected: 04/01/25 11:00
Date Received: 04/02/25 07:10

Lab Sample ID: 885-22467-5

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		4.9		mg/Kg		04/03/25 10:16	04/04/25 20:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*35 - 166*	*04/03/25 10:16*	*04/04/25 20:27*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		04/03/25 10:16	04/04/25 20:27	1
Ethylbenzene	ND		0.049		mg/Kg		04/03/25 10:16	04/04/25 20:27	1
Toluene	ND		0.049		mg/Kg		04/03/25 10:16	04/04/25 20:27	1
Xylenes, Total	ND		0.099		mg/Kg		04/03/25 10:16	04/04/25 20:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*48 - 145*	*04/03/25 10:16*	*04/04/25 20:27*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6		mg/Kg		04/04/25 13:27	04/04/25 23:37	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		04/04/25 13:27	04/04/25 23:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*116*		*62 - 134*	*04/04/25 13:27*	*04/04/25 23:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		61		mg/Kg		04/03/25 13:20	04/03/25 20:10	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Job ID: 885-22467-1

Client Sample ID: BH03@5'

Date Collected: 04/01/25 11:15
Date Received: 04/02/25 07:10

Lab Sample ID: 885-22467-6

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		4.9		mg/Kg		04/03/25 10:16	04/04/25 20:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*35 - 166*	*04/03/25 10:16*	*04/04/25 20:49*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		04/03/25 10:16	04/04/25 20:49	1
Ethylbenzene	ND		0.049		mg/Kg		04/03/25 10:16	04/04/25 20:49	1
Toluene	ND		0.049		mg/Kg		04/03/25 10:16	04/04/25 20:49	1
Xylenes, Total	ND		0.099		mg/Kg		04/03/25 10:16	04/04/25 20:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*48 - 145*	*04/03/25 10:16*	*04/04/25 20:49*	*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]	**15**		9.8		mg/Kg		04/04/25 13:27	04/04/25 23:49	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		04/04/25 13:27	04/04/25 23:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*108*		*62 - 134*	*04/04/25 13:27*	*04/04/25 23:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**440**		60		mg/Kg		04/03/25 13:20	04/03/25 20:20	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Job ID: 885-22467-1

Client Sample ID: BH03@25'

Date Collected: 04/01/25 11:45
Date Received: 04/02/25 07:10

Lab Sample ID: 885-22467-7

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		04/03/25 10:16	04/04/25 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*35 - 166*	*04/03/25 10:16*	*04/04/25 21:11*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		04/03/25 10:16	04/04/25 21:11	1
Ethylbenzene	ND		0.050		mg/Kg		04/03/25 10:16	04/04/25 21:11	1
Toluene	ND		0.050		mg/Kg		04/03/25 10:16	04/04/25 21:11	1
Xylenes, Total	ND		0.099		mg/Kg		04/03/25 10:16	04/04/25 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*48 - 145*	*04/03/25 10:16*	*04/04/25 21:11*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2		mg/Kg		04/04/25 13:27	04/05/25 00:00	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		04/04/25 13:27	04/05/25 00:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*118*		*62 - 134*	*04/04/25 13:27*	*04/05/25 00:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		04/03/25 13:20	04/03/25 20:31	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Job ID: 885-22467-1

Client Sample ID: BH04@10'

Date Collected: 04/01/25 12:20
Date Received: 04/02/25 07:10

Lab Sample ID: 885-22467-8

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		4.9		mg/Kg		04/03/25 10:16	04/07/25 12:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*35 - 166*	*04/03/25 10:16*	*04/07/25 12:44*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		04/03/25 10:16	04/04/25 21:33	1
Ethylbenzene	ND		0.049		mg/Kg		04/03/25 10:16	04/04/25 21:33	1
Toluene	ND		0.049		mg/Kg		04/03/25 10:16	04/04/25 21:33	1
Xylenes, Total	ND		0.099		mg/Kg		04/03/25 10:16	04/04/25 21:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*48 - 145*	*04/03/25 10:16*	*04/04/25 21:33*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3		mg/Kg		04/04/25 13:27	04/05/25 00:12	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		04/04/25 13:27	04/05/25 00:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*122*		*62 - 134*	*04/04/25 13:27*	*04/05/25 00:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		04/03/25 13:20	04/03/25 20:41	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Job ID: 885-22467-1

Client Sample ID: BH04@15'

Date Collected: 04/01/25 12:36
Date Received: 04/02/25 07:10

Lab Sample ID: 885-22467-9

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		4.9		mg/Kg		04/03/25 10:16	04/07/25 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*35 - 166*	*04/03/25 10:16*	*04/07/25 13:05*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		04/03/25 10:16	04/04/25 21:55	1
Ethylbenzene	ND		0.049		mg/Kg		04/03/25 10:16	04/04/25 21:55	1
Toluene	ND		0.049		mg/Kg		04/03/25 10:16	04/04/25 21:55	1
Xylenes, Total	ND		0.098		mg/Kg		04/03/25 10:16	04/04/25 21:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*48 - 145*	*04/03/25 10:16*	*04/04/25 21:55*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6		mg/Kg		04/04/25 13:27	04/05/25 00:24	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		04/04/25 13:27	04/05/25 00:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*121*		*62 - 134*	*04/04/25 13:27*	*04/05/25 00:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		61		mg/Kg		04/03/25 13:20	04/03/25 20:51	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Job ID: 885-22467-1

Client Sample ID: BH04@25'

Date Collected: 04/01/25 13:00
Date Received: 04/02/25 07:10

Lab Sample ID: 885-22467-10

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		4.9		mg/Kg		04/03/25 10:16	04/07/25 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*35 - 166*	*04/03/25 10:16*	*04/07/25 13:27*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		04/03/25 10:16	04/04/25 22:17	1
Ethylbenzene	ND		0.049		mg/Kg		04/03/25 10:16	04/04/25 22:17	1
Toluene	ND		0.049		mg/Kg		04/03/25 10:16	04/04/25 22:17	1
Xylenes, Total	ND		0.098		mg/Kg		04/03/25 10:16	04/04/25 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*48 - 145*	*04/03/25 10:16*	*04/04/25 22:17*	*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		04/04/25 13:58	04/04/25 22:52	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		04/04/25 13:58	04/04/25 22:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*125*		*62 - 134*	*04/04/25 13:58*	*04/04/25 22:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		04/03/25 13:20	04/03/25 21:22	20

QC Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Job ID: 885-22467-1

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

Lab Sample ID: MB 885-23613/1-A
Matrix: Solid
Analysis Batch: 23700

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 23613

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0		mg/Kg		04/03/25 10:16	04/04/25 13:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*35 - 166*	*04/03/25 10:16*	*04/04/25 13:51*	*1*

Lab Sample ID: LCS 885-23613/2-A
Matrix: Solid
Analysis Batch: 23700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23613

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]			25.0	26.8		mg/Kg		107	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*229*		*35 - 166*

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-23613/1-A
Matrix: Solid
Analysis Batch: 23701

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 23613

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		04/03/25 10:16	04/04/25 13:51	1
Ethylbenzene	ND		0.050		mg/Kg		04/03/25 10:16	04/04/25 13:51	1
Toluene	ND		0.050		mg/Kg		04/03/25 10:16	04/04/25 13:51	1
Xylenes, Total	ND		0.10		mg/Kg		04/03/25 10:16	04/04/25 13:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*48 - 145*	*04/03/25 10:16*	*04/04/25 13:51*	*1*

Lab Sample ID: LCS 885-23613/3-A
Matrix: Solid
Analysis Batch: 23701

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23613

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			1.00	1.06		mg/Kg		106	70 - 130		
Ethylbenzene			1.00	1.09		mg/Kg		109	70 - 130		
m&p-Xylene			2.00	2.15		mg/Kg		107	70 - 130		
o-Xylene			1.00	1.08		mg/Kg		108	70 - 130		
Toluene			1.00	1.05		mg/Kg		105	70 - 130		
Xylenes, Total			3.00	3.23		mg/Kg		108	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*48 - 145*

QC Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Job ID: 885-22467-1

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

Lab Sample ID: MB 885-23722/1-A
Matrix: Solid
Analysis Batch: 23660

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 23722

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		04/04/25 13:27	04/04/25 19:44	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		04/04/25 13:27	04/04/25 19:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*101*		*62 - 134*	*04/04/25 13:27*	*04/04/25 19:44*	*1*

Lab Sample ID: LCS 885-23722/2-A
Matrix: Solid
Analysis Batch: 23660

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23722

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			50.0	50.8		mg/Kg		102	60 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*99*		*62 - 134*

Lab Sample ID: MB 885-23726/1-A
Matrix: Solid
Analysis Batch: 23661

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 23726

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		04/04/25 13:58	04/04/25 15:52	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		04/04/25 13:58	04/04/25 15:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*108*		*62 - 134*	*04/04/25 13:58*	*04/04/25 15:52*	*1*

Lab Sample ID: LCS 885-23726/2-A
Matrix: Solid
Analysis Batch: 23661

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23726

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			50.0	42.7		mg/Kg		85	60 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*90*		*62 - 134*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MRL 885-23616/3
Matrix: Solid
Analysis Batch: 23616

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			0.500	0.526		mg/L		105	50 - 150		

QC Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Job ID: 885-22467-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 885-23630/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 23616 — **Prep Batch: 23630**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.5		mg/Kg		04/03/25 13:20	04/03/25 17:55	1

Lab Sample ID: LCS 885-23630/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 23616 — **Prep Batch: 23630**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			15.0	14.4		mg/Kg		96	90 - 110		

Lab Sample ID: LLCS 885-23630/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 23616 — **Prep Batch: 23630**

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			1.50	1.58		mg/Kg		105	50 - 150		

Lab Sample ID: 885-22467-1 MS — **Client Sample ID: BH01@20'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 23616 — **Prep Batch: 23630**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	ND		30.1	ND		mg/Kg		NC	50 - 150		

Lab Sample ID: 885-22467-1 MSD — **Client Sample ID: BH01@20'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 23616 — **Prep Batch: 23630**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	ND		29.9	ND		mg/Kg		NC	50 - 150	NC	20

Lab Sample ID: 885-22467-2 MS — **Client Sample ID: BH01@25'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 23616 — **Prep Batch: 23630**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	ND		29.7	ND		mg/Kg		NC	50 - 150		

Lab Sample ID: 885-22467-2 MSD — **Client Sample ID: BH01@25'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 23616 — **Prep Batch: 23630**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	ND		30.2	ND		mg/Kg		NC	50 - 150	NC	20

QC Association Summary

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Job ID: 885-22467-1

GC VOA

Prep Batch: 23613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22467-1	BH01@20'	Total/NA	Solid	5030C	
885-22467-2	BH01@25'	Total/NA	Solid	5030C	
885-22467-3	BH01@30'	Total/NA	Solid	5030C	
885-22467-4	BH02@15'	Total/NA	Solid	5030C	
885-22467-5	BH02@25'	Total/NA	Solid	5030C	
885-22467-6	BH03@5'	Total/NA	Solid	5030C	
885-22467-7	BH03@25'	Total/NA	Solid	5030C	
885-22467-8	BH04@10'	Total/NA	Solid	5030C	
885-22467-9	BH04@15'	Total/NA	Solid	5030C	
885-22467-10	BH04@25'	Total/NA	Solid	5030C	
MB 885-23613/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-23613/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-23613/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Analysis Batch: 23700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22467-1	BH01@20'	Total/NA	Solid	8015M/D	23613
885-22467-2	BH01@25'	Total/NA	Solid	8015M/D	23613
885-22467-3	BH01@30'	Total/NA	Solid	8015M/D	23613
885-22467-4	BH02@15'	Total/NA	Solid	8015M/D	23613
885-22467-5	BH02@25'	Total/NA	Solid	8015M/D	23613
885-22467-6	BH03@5'	Total/NA	Solid	8015M/D	23613
885-22467-7	BH03@25'	Total/NA	Solid	8015M/D	23613
MB 885-23613/1-A	Method Blank	Total/NA	Solid	8015M/D	23613
LCS 885-23613/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	23613

Analysis Batch: 23701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22467-1	BH01@20'	Total/NA	Solid	8021B	23613
885-22467-2	BH01@25'	Total/NA	Solid	8021B	23613
885-22467-3	BH01@30'	Total/NA	Solid	8021B	23613
885-22467-4	BH02@15'	Total/NA	Solid	8021B	23613
885-22467-5	BH02@25'	Total/NA	Solid	8021B	23613
885-22467-6	BH03@5'	Total/NA	Solid	8021B	23613
885-22467-7	BH03@25'	Total/NA	Solid	8021B	23613
885-22467-8	BH04@10'	Total/NA	Solid	8021B	23613
885-22467-9	BH04@15'	Total/NA	Solid	8021B	23613
885-22467-10	BH04@25'	Total/NA	Solid	8021B	23613
MB 885-23613/1-A	Method Blank	Total/NA	Solid	8021B	23613
LCS 885-23613/3-A	Lab Control Sample	Total/NA	Solid	8021B	23613

Analysis Batch: 23783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22467-8	BH04@10'	Total/NA	Solid	8015M/D	23613
885-22467-9	BH04@15'	Total/NA	Solid	8015M/D	23613
885-22467-10	BH04@25'	Total/NA	Solid	8015M/D	23613

QC Association Summary

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Job ID: 885-22467-1

GC Semi VOA

Analysis Batch: 23660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22467-1	BH01@20'	Total/NA	Solid	8015M/D	23722
885-22467-2	BH01@25'	Total/NA	Solid	8015M/D	23722
885-22467-3	BH01@30'	Total/NA	Solid	8015M/D	23722
885-22467-4	BH02@15'	Total/NA	Solid	8015M/D	23722
885-22467-5	BH02@25'	Total/NA	Solid	8015M/D	23722
885-22467-6	BH03@5'	Total/NA	Solid	8015M/D	23722
885-22467-7	BH03@25'	Total/NA	Solid	8015M/D	23722
885-22467-8	BH04@10'	Total/NA	Solid	8015M/D	23722
885-22467-9	BH04@15'	Total/NA	Solid	8015M/D	23722
MB 885-23722/1-A	Method Blank	Total/NA	Solid	8015M/D	23722
LCS 885-23722/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	23722

Analysis Batch: 23661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22467-10	BH04@25'	Total/NA	Solid	8015M/D	23726
MB 885-23726/1-A	Method Blank	Total/NA	Solid	8015M/D	23726
LCS 885-23726/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	23726

Prep Batch: 23722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22467-1	BH01@20'	Total/NA	Solid	SHAKE	
885-22467-2	BH01@25'	Total/NA	Solid	SHAKE	
885-22467-3	BH01@30'	Total/NA	Solid	SHAKE	
885-22467-4	BH02@15'	Total/NA	Solid	SHAKE	
885-22467-5	BH02@25'	Total/NA	Solid	SHAKE	
885-22467-6	BH03@5'	Total/NA	Solid	SHAKE	
885-22467-7	BH03@25'	Total/NA	Solid	SHAKE	
885-22467-8	BH04@10'	Total/NA	Solid	SHAKE	
885-22467-9	BH04@15'	Total/NA	Solid	SHAKE	
MB 885-23722/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-23722/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Prep Batch: 23726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22467-10	BH04@25'	Total/NA	Solid	SHAKE	
MB 885-23726/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-23726/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

HPLC/IC

Analysis Batch: 23616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22467-1	BH01@20'	Total/NA	Solid	300.0	23630
885-22467-2	BH01@25'	Total/NA	Solid	300.0	23630
885-22467-3	BH01@30'	Total/NA	Solid	300.0	23630
885-22467-4	BH02@15'	Total/NA	Solid	300.0	23630
885-22467-5	BH02@25'	Total/NA	Solid	300.0	23630
885-22467-6	BH03@5'	Total/NA	Solid	300.0	23630
885-22467-7	BH03@25'	Total/NA	Solid	300.0	23630
885-22467-8	BH04@10'	Total/NA	Solid	300.0	23630
885-22467-9	BH04@15'	Total/NA	Solid	300.0	23630

QC Association Summary

Client: Hilcorp Energy
Job ID: 885-22467-1
Project/Site: San Juan 29-6 #74B

HPLC/IC (Continued)

Analysis Batch: 23616 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22467-10	BH04@25'	Total/NA	Solid	300.0	23630
MB 885-23630/1-A	Method Blank	Total/NA	Solid	300.0	23630
LCS 885-23630/3-A	Lab Control Sample	Total/NA	Solid	300.0	23630
LLCS 885-23630/2-A	Lab Control Sample	Total/NA	Solid	300.0	23630
MRL 885-23616/3	Lab Control Sample	Total/NA	Solid	300.0	
885-22467-1 MS	BH01@20'	Total/NA	Solid	300.0	23630
885-22467-1 MSD	BH01@20'	Total/NA	Solid	300.0	23630
885-22467-2 MS	BH01@25'	Total/NA	Solid	300.0	23630
885-22467-2 MSD	BH01@25'	Total/NA	Solid	300.0	23630

Prep Batch: 23630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22467-1	BH01@20'	Total/NA	Solid	300_Prep	
885-22467-2	BH01@25'	Total/NA	Solid	300_Prep	
885-22467-3	BH01@30'	Total/NA	Solid	300_Prep	
885-22467-4	BH02@15'	Total/NA	Solid	300_Prep	
885-22467-5	BH02@25'	Total/NA	Solid	300_Prep	
885-22467-6	BH03@5'	Total/NA	Solid	300_Prep	
885-22467-7	BH03@25'	Total/NA	Solid	300_Prep	
885-22467-8	BH04@10'	Total/NA	Solid	300_Prep	
885-22467-9	BH04@15'	Total/NA	Solid	300_Prep	
885-22467-10	BH04@25'	Total/NA	Solid	300_Prep	
MB 885-23630/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-23630/3-A	Lab Control Sample	Total/NA	Solid	300_Prep	
LLCS 885-23630/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-22467-1 MS	BH01@20'	Total/NA	Solid	300_Prep	
885-22467-1 MSD	BH01@20'	Total/NA	Solid	300_Prep	
885-22467-2 MS	BH01@25'	Total/NA	Solid	300_Prep	
885-22467-2 MSD	BH01@25'	Total/NA	Solid	300_Prep	

Lab Chronicle

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Job ID: 885-22467-1

Client Sample ID: BH01@20'

Lab Sample ID: 885-22467-1
Matrix: Solid
Date Collected: 04/01/25 09:40
Date Received: 04/02/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			23613	AT	EET ALB	04/03/25 10:16
Total/NA	Analysis	8015M/D		1	23700	AT	EET ALB	04/04/25 18:38
Total/NA	Prep	5030C			23613	AT	EET ALB	04/03/25 10:16
Total/NA	Analysis	8021B		1	23701	AT	EET ALB	04/04/25 18:38
Total/NA	Prep	SHAKE			23722	MI	EET ALB	04/04/25 13:27
Total/NA	Analysis	8015M/D		1	23660	MI	EET ALB	04/04/25 22:51
Total/NA	Prep	300_Prep			23630	DL	EET ALB	04/03/25 13:20
Total/NA	Analysis	300.0		20	23616	RC	EET ALB	04/03/25 18:26

Client Sample ID: BH01@25'

Lab Sample ID: 885-22467-2
Matrix: Solid
Date Collected: 04/01/25 09:50
Date Received: 04/02/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			23613	AT	EET ALB	04/03/25 10:16
Total/NA	Analysis	8015M/D		1	23700	AT	EET ALB	04/04/25 19:22
Total/NA	Prep	5030C			23613	AT	EET ALB	04/03/25 10:16
Total/NA	Analysis	8021B		1	23701	AT	EET ALB	04/04/25 19:22
Total/NA	Prep	SHAKE			23722	MI	EET ALB	04/04/25 13:27
Total/NA	Analysis	8015M/D		1	23660	MI	EET ALB	04/04/25 23:02
Total/NA	Prep	300_Prep			23630	DL	EET ALB	04/03/25 13:20
Total/NA	Analysis	300.0		20	23616	RC	EET ALB	04/03/25 19:18

Client Sample ID: BH01@30'

Lab Sample ID: 885-22467-3
Matrix: Solid
Date Collected: 04/01/25 10:15
Date Received: 04/02/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			23613	AT	EET ALB	04/03/25 10:16
Total/NA	Analysis	8015M/D		1	23700	AT	EET ALB	04/04/25 19:43
Total/NA	Prep	5030C			23613	AT	EET ALB	04/03/25 10:16
Total/NA	Analysis	8021B		1	23701	AT	EET ALB	04/04/25 19:43
Total/NA	Prep	SHAKE			23722	MI	EET ALB	04/04/25 13:27
Total/NA	Analysis	8015M/D		1	23660	MI	EET ALB	04/04/25 23:14
Total/NA	Prep	300_Prep			23630	DL	EET ALB	04/03/25 13:20
Total/NA	Analysis	300.0		20	23616	RC	EET ALB	04/03/25 19:49

Client Sample ID: BH02@15'

Lab Sample ID: 885-22467-4
Matrix: Solid
Date Collected: 04/01/25 10:40
Date Received: 04/02/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			23613	AT	EET ALB	04/03/25 10:16
Total/NA	Analysis	8015M/D		1	23700	AT	EET ALB	04/04/25 20:05

Lab Chronicle

Client: Hilcorp Energy
Job ID: 885-22467-1
Project/Site: San Juan 29-6 #74B

Client Sample ID: BH02@15'
Lab Sample ID: 885-22467-4
Date Collected: 04/01/25 10:40
Matrix: Solid
Date Received: 04/02/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			23613	AT	EET ALB	04/03/25 10:16
Total/NA	Analysis	8021B		1	23701	AT	EET ALB	04/04/25 20:05
Total/NA	Prep	SHAKE			23722	MI	EET ALB	04/04/25 13:27
Total/NA	Analysis	8015M/D		1	23660	MI	EET ALB	04/04/25 23:25
Total/NA	Prep	300_Prep			23630	DL	EET ALB	04/03/25 13:20
Total/NA	Analysis	300.0		20	23616	RC	EET ALB	04/03/25 20:00

Client Sample ID: BH02@25'
Lab Sample ID: 885-22467-5
Date Collected: 04/01/25 11:00
Matrix: Solid
Date Received: 04/02/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			23613	AT	EET ALB	04/03/25 10:16
Total/NA	Analysis	8015M/D		1	23700	AT	EET ALB	04/04/25 20:27
Total/NA	Prep	5030C			23613	AT	EET ALB	04/03/25 10:16
Total/NA	Analysis	8021B		1	23701	AT	EET ALB	04/04/25 20:27
Total/NA	Prep	SHAKE			23722	MI	EET ALB	04/04/25 13:27
Total/NA	Analysis	8015M/D		1	23660	MI	EET ALB	04/04/25 23:37
Total/NA	Prep	300_Prep			23630	DL	EET ALB	04/03/25 13:20
Total/NA	Analysis	300.0		20	23616	RC	EET ALB	04/03/25 20:10

Client Sample ID: BH03@5'
Lab Sample ID: 885-22467-6
Date Collected: 04/01/25 11:15
Matrix: Solid
Date Received: 04/02/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			23613	AT	EET ALB	04/03/25 10:16
Total/NA	Analysis	8015M/D		1	23700	AT	EET ALB	04/04/25 20:49
Total/NA	Prep	5030C			23613	AT	EET ALB	04/03/25 10:16
Total/NA	Analysis	8021B		1	23701	AT	EET ALB	04/04/25 20:49
Total/NA	Prep	SHAKE			23722	MI	EET ALB	04/04/25 13:27
Total/NA	Analysis	8015M/D		1	23660	MI	EET ALB	04/04/25 23:49
Total/NA	Prep	300_Prep			23630	DL	EET ALB	04/03/25 13:20
Total/NA	Analysis	300.0		20	23616	RC	EET ALB	04/03/25 20:20

Client Sample ID: BH03@25'
Lab Sample ID: 885-22467-7
Date Collected: 04/01/25 11:45
Matrix: Solid
Date Received: 04/02/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			23613	AT	EET ALB	04/03/25 10:16
Total/NA	Analysis	8015M/D		1	23700	AT	EET ALB	04/04/25 21:11
Total/NA	Prep	5030C			23613	AT	EET ALB	04/03/25 10:16
Total/NA	Analysis	8021B		1	23701	AT	EET ALB	04/04/25 21:11

Lab Chronicle

Client: Hilcorp Energy
Job ID: 885-22467-1
Project/Site: San Juan 29-6 #74B

Client Sample ID: BH03@25'
Lab Sample ID: 885-22467-7
Date Collected: 04/01/25 11:45
Matrix: Solid
Date Received: 04/02/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			23722	MI	EET ALB	04/04/25 13:27
Total/NA	Analysis	8015M/D		1	23660	MI	EET ALB	04/05/25 00:00
Total/NA	Prep	300_Prep			23630	DL	EET ALB	04/03/25 13:20
Total/NA	Analysis	300.0		20	23616	RC	EET ALB	04/03/25 20:31

Client Sample ID: BH04@10'
Lab Sample ID: 885-22467-8
Date Collected: 04/01/25 12:20
Matrix: Solid
Date Received: 04/02/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			23613	AT	EET ALB	04/03/25 10:16
Total/NA	Analysis	8015M/D		1	23783	AT	EET ALB	04/07/25 12:44
Total/NA	Prep	5030C			23613	AT	EET ALB	04/03/25 10:16
Total/NA	Analysis	8021B		1	23701	AT	EET ALB	04/04/25 21:33
Total/NA	Prep	SHAKE			23722	MI	EET ALB	04/04/25 13:27
Total/NA	Analysis	8015M/D		1	23660	MI	EET ALB	04/05/25 00:12
Total/NA	Prep	300_Prep			23630	DL	EET ALB	04/03/25 13:20
Total/NA	Analysis	300.0		20	23616	RC	EET ALB	04/03/25 20:41

Client Sample ID: BH04@15'
Lab Sample ID: 885-22467-9
Date Collected: 04/01/25 12:36
Matrix: Solid
Date Received: 04/02/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			23613	AT	EET ALB	04/03/25 10:16
Total/NA	Analysis	8015M/D		1	23783	AT	EET ALB	04/07/25 13:05
Total/NA	Prep	5030C			23613	AT	EET ALB	04/03/25 10:16
Total/NA	Analysis	8021B		1	23701	AT	EET ALB	04/04/25 21:55
Total/NA	Prep	SHAKE			23722	MI	EET ALB	04/04/25 13:27
Total/NA	Analysis	8015M/D		1	23660	MI	EET ALB	04/05/25 00:24
Total/NA	Prep	300_Prep			23630	DL	EET ALB	04/03/25 13:20
Total/NA	Analysis	300.0		20	23616	RC	EET ALB	04/03/25 20:51

Client Sample ID: BH04@25'
Lab Sample ID: 885-22467-10
Date Collected: 04/01/25 13:00
Matrix: Solid
Date Received: 04/02/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			23613	AT	EET ALB	04/03/25 10:16
Total/NA	Analysis	8015M/D		1	23783	AT	EET ALB	04/07/25 13:27
Total/NA	Prep	5030C			23613	AT	EET ALB	04/03/25 10:16
Total/NA	Analysis	8021B		1	23701	AT	EET ALB	04/04/25 22:17
Total/NA	Prep	SHAKE			23726	MI	EET ALB	04/04/25 13:58
Total/NA	Analysis	8015M/D		1	23661	MI	EET ALB	04/04/25 22:52

Lab Chronicle

Client: Hilcorp Energy
Project/Site: San Juan 29-6 #74B

Job ID: 885-22467-1

Client Sample ID: BH04@25'
Date Collected: 04/01/25 13:00
Date Received: 04/02/25 07:10

Lab Sample ID: 885-22467-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			23630	DL	EET ALB	04/03/25 13:20
Total/NA	Analysis	300.0		20	23616	RC	EET ALB	04/03/25 21:22

Laboratory References:

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

Accreditation/Certification Summary

Client: Hilcorp Energy
Job ID: 885-22467-1
Project/Site: San Juan 29-6 #74B

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 Energy Company

Mailing Address:

Phone #: 816-266-8732

email or Fax#: KKaufman@hilcorp.com

QA/QC Package

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☒ EDD (Type) Excel

Turn-Around Time: 5-Day

☒ Standard ☐ Rush

Project Name: San Juan 29-6 #74B

Project #:

Project Manager: Wes Weichert

WWeichert@Ensolum.com

Sampler: WWeichert

On Ice: ☒ Yes ☐ No

# of Coolers: 1 (Ice)

Cooler Temp(including CF): 4.3+0.2=4.5(°C)

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

885-22467 COC

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
4-1-25	9:40	Soil	BH01@20'	4oz glass	None	
	9:50		BH01@25'			
	10:15		BH01@30'			
	10:40		BH02@15'			
	11:00		BH02@25'			
	11:15		BH03@5'			
	11:45		BH03@25'			
	12:20		BH04@10'			
	12:36		BH04@15'			
↓	13:00	↓	BH04@25'	↓	↓	

Analysis Request

(BTEX) MTBE / TMB's (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)
X	X					X			

WW 4-1

Date	Time	Relinquished by	Received by	Via	Date	Time
4-1-25	15:23				4/1/25	1523
4/1/25	1815			Courier	4/2/25	7:10

Remarks: CC Stuart Hyde

Shyde@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: 885-22467-1

Login Number: 22467 **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.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ENSOLUM

APPENDIX D

Photographic Log

ENSOLUM

Photographic Log
Hilcorp Energy Company
San Juan 29-6 Unit 74B
Incident ID: nAPP2500832642

Photograph: 1 Date: 1/7/2025
Description: Soil staining and oil in release footprint
View: West

Photograph: 2 Date: 2/26/2025
Description: Pothole PH02
View: North

Photograph: 3 Date: 2/26/2025
Description: Potholing activities
View: South

Photograph: 4 Date: 4/1/2025
Description: Delineation Drilling
View: West

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

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 481009
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2500832642**
Incident Name	**NAPP2500832642 SAN JUAN 29-6 UNIT 74B @ 30-039-29923**
Incident Type	**Oil Release**
Incident Status	**Remediation Plan Received**
Incident Well	**[30-039-29923] SAN JUAN 29 6 UNIT #074B**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	San Juan 29-6 Unit 74B
Date Release Discovered	01/07/2025
Surface Owner	Private

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 | Production Tank | Produced Water | Released: 20 BBL | Recovered: 4 BBL | Lost: 16 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Cause: Corrosion | Production Tank | Condensate | Released: 33 BBL | Recovered: 16 BBL | Lost: 17 BBL.
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
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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	N/A
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: 07/02/2025

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QUESTIONS (continued)

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	Action Number: 481009
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan 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 51 and 75 (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)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	None
A 100-year floodplain	Between 1000 (ft.) and ½ (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)	440
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	8300
GRO+DRO	(EPA SW-846 Method 8015M)	8300
BTEX	(EPA SW-846 Method 8021B or 8260B)	759
Benzene	(EPA SW-846 Method 8021B or 8260B)	7.3
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence		02/12/2025
On what date will (or did) the final sampling or liner inspection occur		04/01/2025
On what date will (or was) the remediation complete(d)		04/01/2025
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		1000
What is the estimated volume (in cubic yards) that will be remediated		450
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.		

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QUESTIONS (continued)

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	Action Number: 481009
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	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: 07/02/2025
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)

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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:	OGRID:
HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	372171
	Action Number: 481009
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**446563**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**04/01/2025**
What was the (estimated) number of samples that were to be gathered	**10**
What was the sampling surface area in square feet	**2000**

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	No

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CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 481009
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CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is Conditionally Approved. The variance request to only collect confirmation soil samples from the remedial excavation for TPH and BTEX constituents is denied. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards from Table 1 of the OCD Spill Rule for site assessment/characterization/proven depth to water determination. All sidewall samples should be taken from the sidewall of the excavation. Please make sure that the edge of the release extent is accurately defined. Sidewall/edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Please collect confirmation samples, representing no more than 200 ft2. The work will need to be completed in 90 days after the report has been reviewed.	8/12/2025