



August 20, 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: Site Summary Report and Closure Request

San Juan 30-5 #212
Rio Arriba County, New Mexico
Hilcorp Energy Company
NMOCD Incident No: nAPP2518832108

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Hilcorp Energy Company (Hilcorp), presents this *Site Summary Report and Closure Request* for the release of produced water at the San Juan 30-5 #212, a natural gas production well (Site). The Site is located on private property in Unit N, Section 31, Township 30 North, Range 5 West, Rio Arriba County, New Mexico (Figure 1).

SITE BACKGROUND

On July 2, 2025, Hilcorp operations identified a release of 16.6 barrels (bbls) of produced water at the Site. The operator noticed a wet spot around the base of the aboveground storage tank (AST) and discovered a corrosion hole had developed in the tank bottom, leading to the release of produced water. The released fluid completely soaked into the soil with a reported release footprint of 18 feet by 24 feet and a depth of 4 inches. No fluid was recovered and there was no liner present below the tank. Upon discovery of the release, the tank was put out of service so it could be repaired and have a witness liner installed beneath prior to reinstallation of the AST. The release volume of 16.6 bbls of produced water was determined based on tank gauging data. Hilcorp submitted a *Notification of Release* to the New Mexico Oil Conservation Division (NMOCD) on July 7, 2025 and the Site was assigned release Incident Number nAPP2518832108.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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).

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 hydrologic 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 closest significant watercourse is an intermittent stream located 255 feet southeast of the Site and is identified as a dashed blue line on a USGS 7.5-minute quadrangle map. The closest wetland is 186 feet away to the west. The Site is greater than 200 feet from any lakebed, sinkhole, or playa lake (Figure 1). The nearest constructed fresh water well is a domestic well (SJ-04279), located 11,584 feet north of the Site (Appendix A) with a total depth of 34 feet below ground surface (bgs). At the time of the most recent measurement in 2018, the well was dry prior to plugging the well. The second closest well (SJ-03364) is a domestic water well approximately 16,300 feet south of the site. This well has a total depth of 900 feet bgs with a static water level of 620 feet bgs when last measured in 2004. No wellhead protection areas, springs, or domestic/stock wells are located within a 500-foot radius from the Site. The Site is not within the 100-year floodplain, overlying a subsurface mine, or located within an area underlain by unstable geology (area designated as low potential karst by the Bureau of Land Management [BLM]). Schools, hospitals, institutions, churches, and/or other occupied permanent residence or structures are not located within 300 feet of the Site.

SITE CLOSURE CRITERIA

Based on the information presented above and in accordance with the *Table 1, Closure Criteria for Soils Impacted by a Release* (19.15.29.12 NMAC), the following Closure Criteria for constituents of concern (COCs) should be applied to the Site:

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

2025 SITE ASSESSMENT ACTIVITIES

To assess potential soil impacts resulting from the release, Ensolum advanced five hand auger borings (HA01 through HA05) on July 14, 2025. The NMOCD was notified prior to commencing on-Site activities, with sampling notifications provided in Appendix B. A hand-auger boring (HA01) was advanced in the middle of the release footprint where the tank had been removed to vertically delineate the release footprint. An additional four hand auger borings (HA02 through HA05) were advanced in the cardinal directions outside of the visible release footprint to establish a horizontal delineation (Figure 2). All hand auger borings were advanced to a depth of 5 feet bgs with the exception of HA02, which met refusal at 2 feet bgs. Additional surface samples SS01-SS04 were collected from ground surface to 0.5 feet bgs at hand auger locations HA02 through HA05. Soil samples were field screened for the presence of organic vapors using a calibrated photoionization detector (PID) and chloride using Hach® QuanTab® test strips for the presence of chloride. PID and chloride field screening results are included in Table 1. No borings were advanced deeper than 5 feet bgs due to the lack of observable impacts and favorable field screening confirming a lack of elevated organic vapors and chloride readings.

Soil samples were collected directly into laboratory-provided jars, immediately placed on ice, and submitted to Eurofins Environment Testing for analysis of BTEX following United States Environmental

Site Summary Report and Closure Request
San Juan 30-5 #212
Hilcorp Energy Company

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Protection Agency (EPA) Method 8021B; TPH following EPA Method 8015M/D; and chloride following EPA Method 300.0. Photographs taken during field activities are attached as Appendix C.

Based on analytical results from the soil samples collected during the July 2025 assessment, all samples were compliant with the applicable NMOCD Table I Closure Criteria. Soil sample analytical results are summarized in Table 1 and on Figure 2, with complete laboratory analytical reports attached as Appendix D.

CONCLUSIONS AND CLOSURE REQUEST

Based on the delineation activities and soil analytical results described above, petroleum hydrocarbon and/or chloride contaminants were not detected in any of the samples collected at the Site above the NMOCD Table I Closure Criteria. As such, Site conditions appear to be protective of human health, the environment, and groundwater and Hilcorp respectfully requests closure for Incident Number nAPP2518832108.

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 document to the NMOCD. If you should have any questions or comments regarding this document, please contact the undersigned.

Sincerely,
Ensolum, LLC



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



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

Attachments:

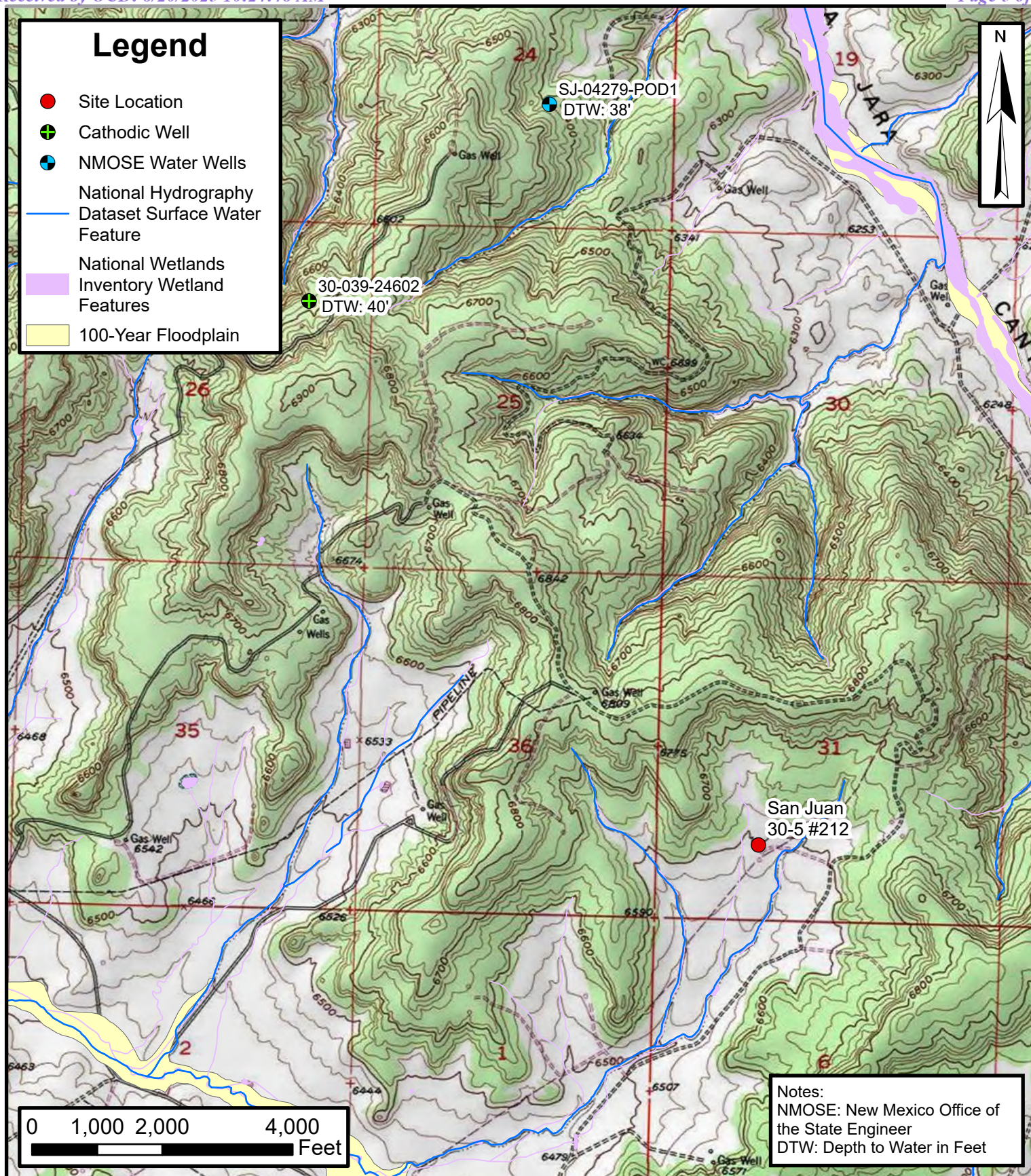
Figure 1: Site Location Map
Figure 2: Soil Sample Locations

Table 1: Soil Sample Analytical Results

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



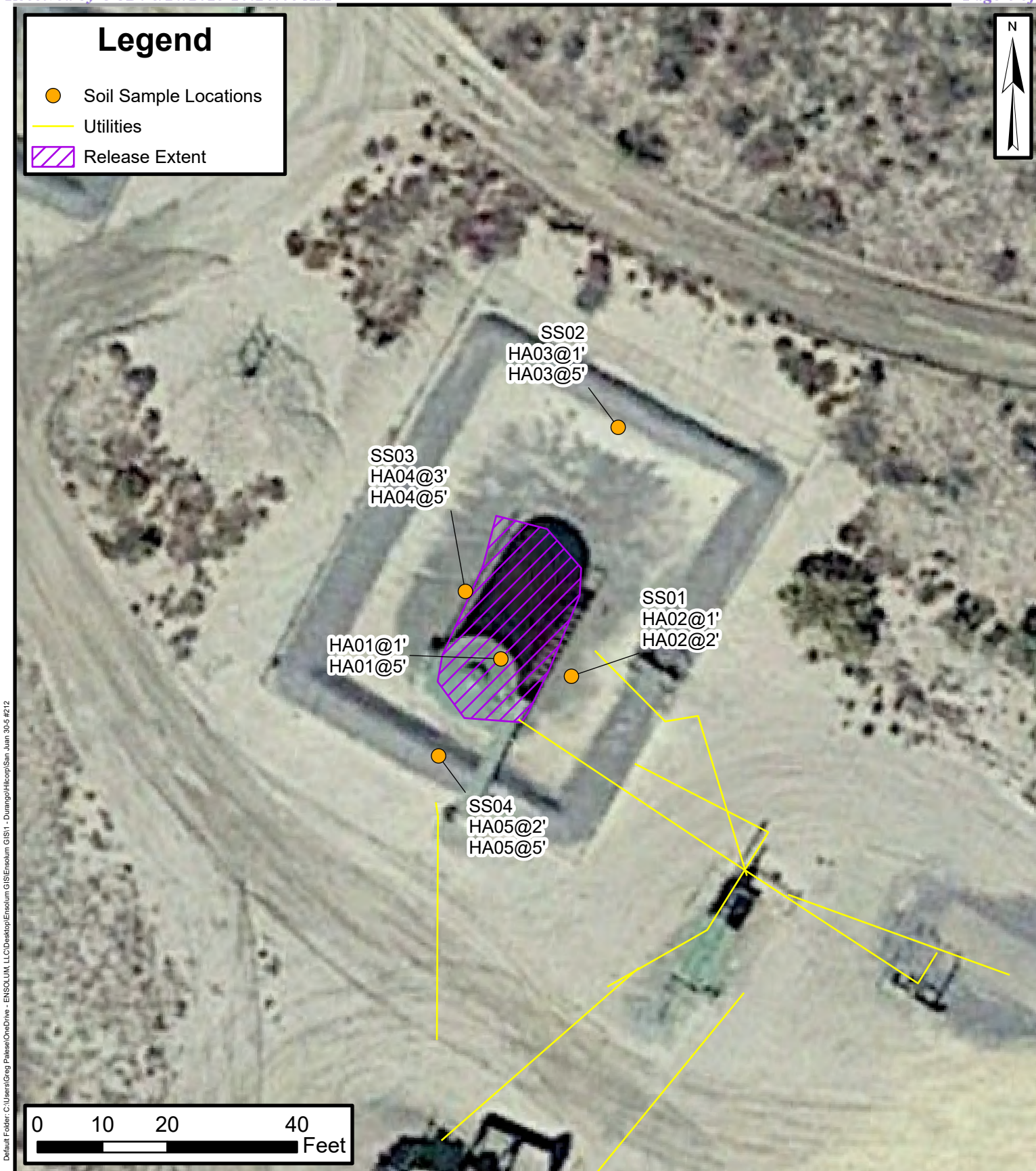
FIGURES



Site Location Map

San Juan 30-5 #212
Hilcorp Energy Company
36.76461, -107.40193
Rio Arriba County, New Mexico

FIGURE
1



Default Folder: C:\Users\Greg Palese\OneDrive - ENSOLUM, LLC\Desktop\Ensealum GIS\Ensealum GIS1 - Durango\Hilcorp\San Juan 30-5 #212



Soil Sample Locations

San Juan 30-5 #212
Hilcorp Energy Company
36.76461, -107.40193
Rio Arriba County, New Mexico

FIGURE
2



TABLES

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 San Juan 30-5 #212
 Hilcorp Energy Company
 Rio Arriba County, New Mexico

Sample Identification	Date	Depth (feet bgs)	Chloride Field Test (ppm)	PID (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Closure Criteria for Soils Impacted by a Release			NE	NE	10	NE	NE	NE	50	NE	NE	NE	100	600
Hand Auger Soil Samples														
HA01@1'	7/14/2025	1	<156.8	>15,000	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.8	<49	<49	<60
HA01@5'	7/14/2025	5	<156.8	1.0	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<8.5	<43	<43	<60
HA02@1'	7/14/2025	1	156.8	1.4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<48	<48	<60
HA02@2'	7/14/2025	2	156.8	5.9	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<9.7	<48	<48	<60
HA03@1'	7/14/2025	1	<156.8	2.3	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.6	<48	<48	<60
HA03@5'	7/14/2025	5	<156.8	1.6	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.3	<47	<47	<60
HA04@3'	7/14/2025	3	<156.8	4.3	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.9	<49	<49	<60
HA04@5'	7/14/2025	5	<156.8	3.6	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.4	<47	<47	<60
HA05@2'	7/14/2025	2	<156.8	6.9	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<9.8	<49	<49	<60
HA05@5'	7/14/2025	5	<156.8	1.6	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.7	<49	<49	<60
Surface Soil Samples														
SS01	7/14/2025	0-0.5'	<156.8	15.8	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<49	<49	<60
SS02	7/14/2025	0-0.5'	<156.8	1.1	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.7	<48	<48	<60
SS03	7/14/2025	0-0.5'	<156.8	28.3	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.8	<49	<49	<60
SS04	7/14/2025	0-0.5'	<156.8	335.8	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.8	<49	<49	<60

Notes:

bgs: Below ground surface

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

mg/kg: Milligrams per kilogram

NA: Not Analyzed

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



APPENDIX A

Depth to Water Determination



SJ-4279-POD 8
#664250
PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: SB -1 Canada Mesa #2

Well owner: El Paso CGP Company LLC

Phone No.: 713-420-3475

Mailing address: 1001 Louisiana Street

City: Houston

State: TX

Zip code: 77002

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Cascade Drilling LP
- 2) New Mexico Well Driller License No.: WD-1210 Expiration Date: 10.31.19
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Matthew Cain
- 4) Date well plugging began: 4.5.18 Date well plugging concluded: 4.5.18
- 5) GPS Well Location: Latitude: 36 deg, 17 min, 45.16 sec
Longitude: -107 deg, 24 min, 51.04 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 34 ft below ground level (bgl),
by the following manner: Tagger Tape
- 7) Static water level measured at initiation of plugging: NA ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 3.8.2010
- 9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

See attached for explanation

2018 APR 26 AM 11:39

STATE ENGINEER OFFICE
AZTEC, NEW MEXICO

- 10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

<u>Depth</u> (ft bgl)	<u>Plugging Material Used</u> (include any additives used)	<u>Volume of Material Placed</u> (gallons)	<u>Theoretical Volume of Borehole/ Casing</u> (gallons)	<u>Placement Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
	Portland Cement to 5% Bentonite powder	100 Gallons	94.38	Tremie	Bore-hole for soil classification / investigation

Juett, Miles, OSE

From: Varsa, Steve [steve.varsa@stantec.com]
Sent: Thursday, July 12, 2018 9:07 AM
To: Juett, Miles, OSE
Subject: RE: SJ-4279 POD 8 (SB-1)

Hi Miles – SB-1 was just soil boring, and I believe the plugging record should be it. There was no well completed, and the boring was plugged the same day it was advanced.

Let me know if you need additional information.

Thanks,
Steve

From: Juett, Miles, OSE [<mailto:Miles.Juett@state.nm.us>]
Sent: Wednesday, July 11, 2018 10:56 AM
To: Varsa, Steve <steve.varsa@stantec.com>
Cc: bnydoske@cascade-env.com
Subject: SJ-4279 POD 8 (SB-1)

Steve,

While reviewing the well logs/plugging record for SJ-4279 POD1-8 (see attached permit PDF), we received a plugging record for SB-1 (POD 8) and well records for POD2-7. Do you have a well record for SB-1?

Thank you sir,

Miles Juett
Domestic Well Technician Senior
NM Office of the State Engineer
100 Gossett Drive, Suite A
Aztec, New Mexico 87410
Direct (505) 334-4576
Main (505) 334-4571
Fax (505) 334-4575

STATE ENGINEER OFFICE

WELL RECORD

270658

Section 1. GENERAL INFORMATION

(A) Owner of well Patricia L. Smith Owner's Well No. 1
 Street or Post Office Address 3 CR 2978
 City and State Aztec, NM 87410

Well was drilled under Permit No. SJ-3364 and is located in the:

- a. $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 13 Township 29N Range 6W N.M.P.M.
 b. Tract No. _____ of Map No. _____ of the _____
 c. Lot No. _____ of Block No. _____ of the _____
 Subdivision, recorded in _____ County.
 d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in
 the _____ Grant.

(B) Drilling Contractor Reeman Bros. Drilling Inc. License No. WD-1462
 Address P.O. Box 5180, Durango, CO 81301
 Drilling Began 1-8-2004 Completed 1-9-2004 Type tools air rotary Size of hole 7 in.
 Elevation of land surface or unknown at well is _____ ft. Total depth of well 900 ft.
 Completed well is ☐ shallow ☒ artesian, non-flowing Depth to water upon completion of well 620 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
0	900	1200	Ojo Alamo	12

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To
7	25		0	40	40		480	500
							520	540
							560	580
4.5 PVC			0	900	900		620	640
							680	700
							720	740
							760	800
							820	860

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				
0	40	10		4.5	pumped

Section 5. PLUGGING RECORD

Plugging Contractor _____
 Address _____
 Plugging Method _____
 Date Well Plugged _____
 Plugging approved by: _____

State Engineer Representative

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received 3-24-2004

Quad _____ FWL _____ FSL _____

File No. SJ-3364 Use DOMESTIC Location No. 29N. 6W. 13. 341

2004 MAR 24 PM 2:47
 STATE ENGINEER OFFICE
 AZTEC, NEW MEXICO

[illegible]

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Walt Beeman
Driller

INSTRUCTIONS: This form should be executed in triplicate, ~~previously~~ typewritten, and submitted to the appropriate district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1(a) and Section 5 need be completed.



APPENDIX B

Agency Correspondence

From: OCDOnline@state.nm.us
To: [Stuart Hyde](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 482482
Date: Tuesday, July 8, 2025 8:58:10 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#) nAPP2518832108.

The sampling event is expected to take place:

When: 07/14/2025 @ 10:00

Where: N-31-30N-05W 1061 FSL 1540 FWL (36.76461,-107.40193)

Additional Information: Stuart Hyde, 970-903-1607

Additional Instructions: Hilcorp San Juan 30-5 #212 well pad, 36.76461, -107.40193; initial delineation samples to be collected

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

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

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

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



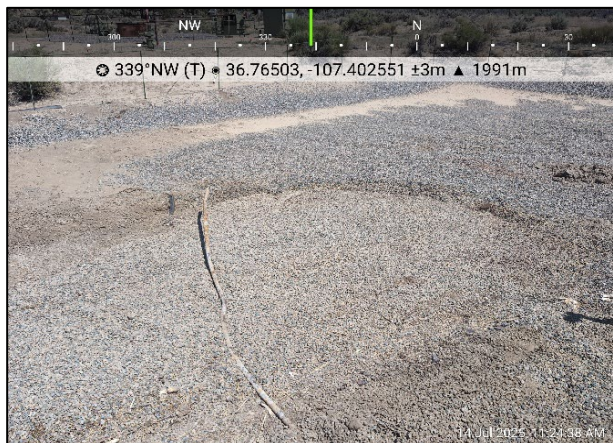
APPENDIX C

Photographic Log



Photographic Log

Hilcorp Energy Corporation
San Juan 30-5 #212
Rio Arriba County, New Mexico



Photograph: 1 Date: 7/14/2025
Description: Produced water release footprint
View: Northwest



Photograph: 2 Date: 7/14/2025
Description: Release footprint with surface utilities
View: Southwest



Photograph: 3 Date: 7/14/2025
Description: Release extent and hand auger sampling location
View: West



Photograph: 4 Date: 7/14/2025
Description: Hand auger delineation activities
View: Northwest



APPENDIX D

Laboratory Analytical Reports



Environment Testing

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- 11

ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

SJ 30-5 #212

JOB NUMBER

885-28873-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

Eurofins Albuquerque

Job Notes

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

Authorization



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

Client: Hilcorp Energy
Project/Site: SJ 30-5 #212

Laboratory Job ID: 885-28873-1

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Definitions/Glossary

Client: Hilcorp Energy
Project/Site: SJ 30-5 #212

Job ID: 885-28873-1

Qualifiers

GC Semi 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: SJ 30-5 #212

Job ID: 885-28873-1

Job ID: 885-28873-1

Eurofins Albuquerque

Job Narrative 885-28873-1

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 7/16/2025 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 4.3°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

Method 8021B: The surrogate recovery for the blank associated with preparation batch 885-30236 and analytical batch 885-30342 was outside the upper control limits. All associated samples were ND therefore the data have been reported.

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

Diesel Range Organics

Method 8015D_DRO: Surrogate recovery for the following sample was outside the upper control limit: HA04@3' (885-28873-7). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8015D_DRO: The continuing calibration verification (CCV) associated with batch 885-30486 recovered above the upper control limit for Di-n-octyl phthalate (Surr) and Diesel Range Organics [C10-C28]. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. Re-running all associated with hits. The associated sample is:(CCV 885-30486/23).

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

HPLC/IC

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

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
Project/Site: SJ 30-5 #212

Job ID: 885-28873-1

Client Sample ID: HA01@1'

Lab Sample ID: 885-28873-1

Date Collected: 07/14/25 12:00

Matrix: Solid

Date Received: 07/16/25 07:10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		07/16/25 13:02	07/18/25 05:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			07/16/25 13:02	07/18/25 05:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		07/16/25 13:02	07/18/25 05:32	1
Ethylbenzene	ND		0.048	mg/Kg		07/16/25 13:02	07/18/25 05:32	1
Toluene	ND		0.048	mg/Kg		07/16/25 13:02	07/18/25 05:32	1
Xylenes, Total	ND		0.095	mg/Kg		07/16/25 13:02	07/18/25 05:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		15 - 150			07/16/25 13:02	07/18/25 05:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		07/17/25 07:02	07/19/25 07:42	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		07/17/25 07:02	07/19/25 07:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			07/17/25 07:02	07/19/25 07:42	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		07/18/25 08:29	07/18/25 16:06	20

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
Project/Site: SJ 30-5 #212

Job ID: 885-28873-1

Client Sample ID: HA01@5'

Lab Sample ID: 885-28873-2

Date Collected: 07/14/25 12:28

Matrix: Solid

Date Received: 07/16/25 07:10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		07/16/25 13:02	07/18/25 05:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			07/16/25 13:02	07/18/25 05:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		07/16/25 13:02	07/18/25 05:56	1
Ethylbenzene	ND		0.047	mg/Kg		07/16/25 13:02	07/18/25 05:56	1
Toluene	ND		0.047	mg/Kg		07/16/25 13:02	07/18/25 05:56	1
Xylenes, Total	ND		0.095	mg/Kg		07/16/25 13:02	07/18/25 05:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		15 - 150			07/16/25 13:02	07/18/25 05:56	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		8.5	mg/Kg		07/17/25 07:02	07/19/25 08:06	1
Motor Oil Range Organics [C28-C40]	ND		43	mg/Kg		07/17/25 07:02	07/19/25 08:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	91		62 - 134			07/17/25 07:02	07/19/25 08:06	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		07/18/25 08:29	07/18/25 16:16	20

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
Project/Site: SJ 30-5 #212

Job ID: 885-28873-1

Client Sample ID: HA02@1'

Lab Sample ID: 885-28873-3

Date Collected: 07/14/25 13:13

Matrix: Solid

Date Received: 07/16/25 07:10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		07/16/25 13:02	07/18/25 06:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			07/16/25 13:02	07/18/25 06:20	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		07/16/25 13:02	07/18/25 06:20	1
Ethylbenzene	ND		0.049	mg/Kg		07/16/25 13:02	07/18/25 06:20	1
Toluene	ND		0.049	mg/Kg		07/16/25 13:02	07/18/25 06:20	1
Xylenes, Total	ND		0.098	mg/Kg		07/16/25 13:02	07/18/25 06:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		15 - 150			07/16/25 13:02	07/18/25 06:20	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		07/17/25 07:02	07/19/25 08:29	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		07/17/25 07:02	07/19/25 08:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			07/17/25 07:02	07/19/25 08:29	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		07/18/25 08:29	07/18/25 16:26	20

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
Project/Site: SJ 30-5 #212

Job ID: 885-28873-1

Client Sample ID: HA02@2'

Lab Sample ID: 885-28873-4

Date Collected: 07/14/25 13:19

Matrix: Solid

Date Received: 07/16/25 07:10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		07/16/25 13:02	07/18/25 06:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			07/16/25 13:02	07/18/25 06:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		07/16/25 13:02	07/18/25 06:43	1
Ethylbenzene	ND		0.046	mg/Kg		07/16/25 13:02	07/18/25 06:43	1
Toluene	ND		0.046	mg/Kg		07/16/25 13:02	07/18/25 06:43	1
Xylenes, Total	ND		0.093	mg/Kg		07/16/25 13:02	07/18/25 06:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		15 - 150			07/16/25 13:02	07/18/25 06:43	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		9.7	mg/Kg		07/17/25 07:02	07/19/25 08:53	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		07/17/25 07:02	07/19/25 08:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	91		62 - 134			07/17/25 07:02	07/19/25 08:53	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		07/18/25 08:29	07/18/25 16:37	20

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
Project/Site: SJ 30-5 #212

Job ID: 885-28873-1

Client Sample ID: HA03@1'

Lab Sample ID: 885-28873-5

Date Collected: 07/14/25 16:14

Matrix: Solid

Date Received: 07/16/25 07:10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		07/16/25 13:02	07/18/25 07:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			07/16/25 13:02	07/18/25 07:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		07/16/25 13:02	07/18/25 07:07	1
Ethylbenzene	ND		0.049	mg/Kg		07/16/25 13:02	07/18/25 07:07	1
Toluene	ND		0.049	mg/Kg		07/16/25 13:02	07/18/25 07:07	1
Xylenes, Total	ND		0.098	mg/Kg		07/16/25 13:02	07/18/25 07:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		15 - 150			07/16/25 13:02	07/18/25 07:07	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		9.6	mg/Kg		07/17/25 07:02	07/19/25 09:17	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		07/17/25 07:02	07/19/25 09:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			07/17/25 07:02	07/19/25 09:17	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		07/18/25 08:29	07/18/25 16:47	20

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
Project/Site: SJ 30-5 #212

Job ID: 885-28873-1

Client Sample ID: HA03@5'

Lab Sample ID: 885-28873-6

Date Collected: 07/14/25 13:54

Matrix: Solid

Date Received: 07/16/25 07:10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		07/16/25 13:02	07/18/25 07:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			07/16/25 13:02	07/18/25 07:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		07/16/25 13:02	07/18/25 07:30	1
Ethylbenzene	ND		0.047	mg/Kg		07/16/25 13:02	07/18/25 07:30	1
Toluene	ND		0.047	mg/Kg		07/16/25 13:02	07/18/25 07:30	1
Xylenes, Total	ND		0.093	mg/Kg		07/16/25 13:02	07/18/25 07:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		15 - 150			07/16/25 13:02	07/18/25 07:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		07/17/25 07:02	07/19/25 09:41	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		07/17/25 07:02	07/19/25 09:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134			07/17/25 07:02	07/19/25 09:41	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		07/18/25 08:29	07/18/25 17:18	20

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
Project/Site: SJ 30-5 #212

Job ID: 885-28873-1

Client Sample ID: HA04@3'

Lab Sample ID: 885-28873-7

Date Collected: 07/14/25 14:35

Matrix: Solid

Date Received: 07/16/25 07:10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		07/16/25 14:32	07/21/25 19:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		15 - 150			07/16/25 14:32	07/21/25 19:48	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		07/16/25 14:32	07/21/25 19:48	1
Ethylbenzene	ND		0.050	mg/Kg		07/16/25 14:32	07/21/25 19:48	1
Toluene	ND		0.050	mg/Kg		07/16/25 14:32	07/21/25 19:48	1
Xylenes, Total	ND		0.099	mg/Kg		07/16/25 14:32	07/21/25 19:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			07/16/25 14:32	07/21/25 19:48	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		07/21/25 09:44	07/21/25 16:46	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		07/21/25 09:44	07/21/25 16:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	136	S1+	62 - 134			07/21/25 09:44	07/21/25 16:46	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		07/18/25 08:29	07/18/25 17:28	20

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
Project/Site: SJ 30-5 #212

Job ID: 885-28873-1

Client Sample ID: HA04@5'

Lab Sample ID: 885-28873-8

Date Collected: 07/14/25 14:47

Matrix: Solid

Date Received: 07/16/25 07:10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		07/16/25 14:32	07/21/25 20:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 150			07/16/25 14:32	07/21/25 20:54	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		07/16/25 14:32	07/21/25 20:54	1
Ethylbenzene	ND		0.050	mg/Kg		07/16/25 14:32	07/21/25 20:54	1
Toluene	ND		0.050	mg/Kg		07/16/25 14:32	07/21/25 20:54	1
Xylenes, Total	ND		0.099	mg/Kg		07/16/25 14:32	07/21/25 20:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		15 - 150			07/16/25 14:32	07/21/25 20:54	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		07/21/25 09:44	07/21/25 16:57	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		07/21/25 09:44	07/21/25 16:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	103		62 - 134			07/21/25 09:44	07/21/25 16:57	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		07/18/25 08:29	07/18/25 17:39	20

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
Project/Site: SJ 30-5 #212

Job ID: 885-28873-1

Client Sample ID: HA05@2'

Lab Sample ID: 885-28873-9

Date Collected: 07/14/25 15:02

Matrix: Solid

Date Received: 07/16/25 07:10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		07/16/25 14:32	07/21/25 21:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			07/16/25 14:32	07/21/25 21:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		07/16/25 14:32	07/21/25 21:59	1
Ethylbenzene	ND		0.046	mg/Kg		07/16/25 14:32	07/21/25 21:59	1
Toluene	ND		0.046	mg/Kg		07/16/25 14:32	07/21/25 21:59	1
Xylenes, Total	ND		0.092	mg/Kg		07/16/25 14:32	07/21/25 21:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		15 - 150			07/16/25 14:32	07/21/25 21:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		07/21/25 09:44	07/21/25 17:08	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		07/21/25 09:44	07/21/25 17:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	101		62 - 134			07/21/25 09:44	07/21/25 17:08	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		07/18/25 08:29	07/18/25 17:49	20

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
Project/Site: SJ 30-5 #212

Job ID: 885-28873-1

Client Sample ID: HA05@5'

Lab Sample ID: 885-28873-10

Date Collected: 07/14/25 15:11

Matrix: Solid

Date Received: 07/16/25 07:10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		07/16/25 14:32	07/21/25 22:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 150			07/16/25 14:32	07/21/25 22:20	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		07/16/25 14:32	07/21/25 22:20	1
Ethylbenzene	ND		0.048	mg/Kg		07/16/25 14:32	07/21/25 22:20	1
Toluene	ND		0.048	mg/Kg		07/16/25 14:32	07/21/25 22:20	1
Xylenes, Total	ND		0.095	mg/Kg		07/16/25 14:32	07/21/25 22:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		15 - 150			07/16/25 14:32	07/21/25 22:20	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		07/21/25 09:44	07/21/25 17:19	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		07/21/25 09:44	07/21/25 17:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	106		62 - 134			07/21/25 09:44	07/21/25 17:19	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		07/18/25 08:29	07/18/25 17:59	20

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
Project/Site: SJ 30-5 #212

Job ID: 885-28873-1

Client Sample ID: SS01

Lab Sample ID: 885-28873-11

Date Collected: 07/14/25 15:25

Matrix: Solid

Date Received: 07/16/25 07:10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		07/16/25 14:32	07/21/25 22:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			07/16/25 14:32	07/21/25 22:42	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		07/16/25 14:32	07/21/25 22:42	1
Ethylbenzene	ND		0.049	mg/Kg		07/16/25 14:32	07/21/25 22:42	1
Toluene	ND		0.049	mg/Kg		07/16/25 14:32	07/21/25 22:42	1
Xylenes, Total	ND		0.098	mg/Kg		07/16/25 14:32	07/21/25 22:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 150			07/16/25 14:32	07/21/25 22:42	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		07/21/25 09:44	07/21/25 17:30	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		07/21/25 09:44	07/21/25 17:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	110		62 - 134			07/21/25 09:44	07/21/25 17:30	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		07/18/25 08:29	07/18/25 18:10	20

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
Project/Site: SJ 30-5 #212

Job ID: 885-28873-1

Client Sample ID: SS02

Lab Sample ID: 885-28873-12

Date Collected: 07/14/25 16:08

Matrix: Solid

Date Received: 07/16/25 07:10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		07/16/25 14:32	07/21/25 23:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		15 - 150			07/16/25 14:32	07/21/25 23:04	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		07/16/25 14:32	07/21/25 23:04	1
Ethylbenzene	ND		0.049	mg/Kg		07/16/25 14:32	07/21/25 23:04	1
Toluene	ND		0.049	mg/Kg		07/16/25 14:32	07/21/25 23:04	1
Xylenes, Total	ND		0.099	mg/Kg		07/16/25 14:32	07/21/25 23:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 150			07/16/25 14:32	07/21/25 23:04	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		07/21/25 09:44	07/21/25 17:41	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		07/21/25 09:44	07/21/25 17:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	115		62 - 134			07/21/25 09:44	07/21/25 17:41	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		07/18/25 08:29	07/18/25 18:20	20

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
Project/Site: SJ 30-5 #212

Job ID: 885-28873-1

Client Sample ID: SS03

Lab Sample ID: 885-28873-13

Date Collected: 07/14/25 15:32

Matrix: Solid

Date Received: 07/16/25 07:10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		07/16/25 14:32	07/21/25 23:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			07/16/25 14:32	07/21/25 23:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		07/16/25 14:32	07/21/25 23:26	1
Ethylbenzene	ND		0.047	mg/Kg		07/16/25 14:32	07/21/25 23:26	1
Toluene	ND		0.047	mg/Kg		07/16/25 14:32	07/21/25 23:26	1
Xylenes, Total	ND		0.095	mg/Kg		07/16/25 14:32	07/21/25 23:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 150			07/16/25 14:32	07/21/25 23:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		07/21/25 09:44	07/21/25 17:52	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		07/21/25 09:44	07/21/25 17:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	116		62 - 134			07/21/25 09:44	07/21/25 17:52	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		07/18/25 08:29	07/18/25 18:31	20

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Client Sample Results

Client: Hilcorp Energy
Project/Site: SJ 30-5 #212

Job ID: 885-28873-1

Client Sample ID: SS04

Lab Sample ID: 885-28873-14

Date Collected: 07/14/25 15:36

Matrix: Solid

Date Received: 07/16/25 07:10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		07/16/25 14:32	07/21/25 23:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		15 - 150			07/16/25 14:32	07/21/25 23:48	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		07/16/25 14:32	07/21/25 23:48	1
Ethylbenzene	ND		0.049	mg/Kg		07/16/25 14:32	07/21/25 23:48	1
Toluene	ND		0.049	mg/Kg		07/16/25 14:32	07/21/25 23:48	1
Xylenes, Total	ND		0.098	mg/Kg		07/16/25 14:32	07/21/25 23:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		15 - 150			07/16/25 14:32	07/21/25 23:48	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		07/21/25 09:44	07/21/25 18:04	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		07/21/25 09:44	07/21/25 18:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	121		62 - 134			07/21/25 09:44	07/21/25 18:04	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		07/18/25 08:29	07/18/25 18:41	20

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QC Sample Results

Client: Hilcorp Energy
Project/Site: SJ 30-5 #212

Job ID: 885-28873-1

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

Lab Sample ID: MB 885-30236/1-A

Matrix: Solid

Analysis Batch: 30341

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30236

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		07/16/25 13:02	07/17/25 22:01	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			07/16/25 13:02	07/17/25 22:01	1

Lab Sample ID: LCS 885-30236/2-A

Matrix: Solid

Analysis Batch: 30341

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30236

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	27.7		mg/Kg		111	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	204		15 - 150				

Lab Sample ID: MB 885-30248/1-A

Matrix: Solid

Analysis Batch: 30551

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30248

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		07/16/25 14:32	07/21/25 19:26	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		15 - 150			07/16/25 14:32	07/21/25 19:26	1

Lab Sample ID: LCS 885-30248/2-A

Matrix: Solid

Analysis Batch: 30551

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30248

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	30.1		mg/Kg		120	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	226		15 - 150				

Lab Sample ID: 885-28873-7 MS

Matrix: Solid

Analysis Batch: 30551

Client Sample ID: HA04@3'

Prep Type: Total/NA

Prep Batch: 30248

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	ND		24.9	27.2		mg/Kg		109	70 - 130

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QC Sample Results

Client: Hilcorp Energy
Project/Site: SJ 30-5 #212

Job ID: 885-28873-1

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

Lab Sample ID: 885-28873-7 MS

Matrix: Solid

Analysis Batch: 30551

Client Sample ID: HA04@3'

Prep Type: Total/NA

Prep Batch: 30248

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	217		15 - 150

Lab Sample ID: 885-28873-7 MSD

Matrix: Solid

Analysis Batch: 30551

Client Sample ID: HA04@3'

Prep Type: Total/NA

Prep Batch: 30248

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	ND		25.0	27.1		mg/Kg		108	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	216		15 - 150

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-30236/1-A

Matrix: Solid

Analysis Batch: 30342

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30236

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		07/16/25 13:02	07/17/25 22:01	1
Ethylbenzene	ND		0.050	mg/Kg		07/16/25 13:02	07/17/25 22:01	1
Toluene	ND		0.050	mg/Kg		07/16/25 13:02	07/17/25 22:01	1
Xylenes, Total	ND		0.10	mg/Kg		07/16/25 13:02	07/17/25 22:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		15 - 150	07/16/25 13:02	07/17/25 22:01	1

Lab Sample ID: LCS 885-30236/3-A

Matrix: Solid

Analysis Batch: 30342

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30236

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.996		mg/Kg		100	70 - 130
Ethylbenzene	1.00	0.971		mg/Kg		97	70 - 130
Toluene	1.00	0.994		mg/Kg		99	70 - 130
Xylenes, Total	3.00	3.04		mg/Kg		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		15 - 150

Lab Sample ID: MB 885-30248/1-A

Matrix: Solid

Analysis Batch: 30552

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30248

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		07/16/25 14:32	07/21/25 19:26	1
Ethylbenzene	ND		0.050	mg/Kg		07/16/25 14:32	07/21/25 19:26	1

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QC Sample Results

Client: Hilcorp Energy
Project/Site: SJ 30-5 #212

Job ID: 885-28873-1

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

Lab Sample ID: MB 885-30248/1-A

Matrix: Solid

Analysis Batch: 30552

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30248

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.050	mg/Kg		07/16/25 14:32	07/21/25 19:26	1
Xylenes, Total	ND		0.10	mg/Kg		07/16/25 14:32	07/21/25 19:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150	07/16/25 14:32	07/21/25 19:26	1

Lab Sample ID: LCS 885-30248/3-A

Matrix: Solid

Analysis Batch: 30552

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30248

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.928		mg/Kg		93	70 - 130
Ethylbenzene	1.00	0.947		mg/Kg		95	70 - 130
Toluene	1.00	0.915		mg/Kg		91	70 - 130
Xylenes, Total	3.00	2.85		mg/Kg		95	70 - 130

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

Lab Sample ID: 885-28873-8 MS

Matrix: Solid

Analysis Batch: 30552

Client Sample ID: HA04@5'

Prep Type: Total/NA

Prep Batch: 30248

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		0.994	0.861		mg/Kg		87	70 - 130
Ethylbenzene	ND		0.994	0.882		mg/Kg		89	70 - 130
Toluene	ND		0.994	0.855		mg/Kg		86	70 - 130
Xylenes, Total	ND		2.98	2.71		mg/Kg		91	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		15 - 150

Lab Sample ID: 885-28873-8 MSD

Matrix: Solid

Analysis Batch: 30552

Client Sample ID: HA04@5'

Prep Type: Total/NA

Prep Batch: 30248

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.992	0.790		mg/Kg		80	70 - 130	9	20
Ethylbenzene	ND		0.992	0.814		mg/Kg		82	70 - 130	8	20
Toluene	ND		0.992	0.780		mg/Kg		79	70 - 130	9	20
Xylenes, Total	ND		2.98	2.46		mg/Kg		83	70 - 130	10	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		15 - 150

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QC Sample Results

Client: Hilcorp Energy
Project/Site: SJ 30-5 #212

Job ID: 885-28873-1

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

Lab Sample ID: MB 885-30267/1-A

Matrix: Solid

Analysis Batch: 30396

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30267

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		07/17/25 07:02	07/18/25 23:44	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		07/17/25 07:02	07/18/25 23:44	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	88		62 - 134			07/17/25 07:02	07/18/25 23:44	1

Lab Sample ID: LCS 885-30267/2-A

Matrix: Solid

Analysis Batch: 30396

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30267

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	48.5		mg/Kg		97	51 - 148
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	87		62 - 134				

Lab Sample ID: MB 885-30482/1-A

Matrix: Solid

Analysis Batch: 30487

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30482

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		07/21/25 09:44	07/21/25 15:19	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		07/21/25 09:44	07/21/25 15:19	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87		62 - 134			07/21/25 09:44	07/21/25 15:19	1

Lab Sample ID: LCS 885-30482/2-A

Matrix: Solid

Analysis Batch: 30487

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30482

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	48.2		mg/Kg		96	51 - 148
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	91		62 - 134				

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-30357/1-A

Matrix: Solid

Analysis Batch: 30377

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30357

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.5	mg/Kg		07/18/25 08:29	07/18/25 10:34	1

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QC Sample Results

Client: Hilcorp Energy
Project/Site: SJ 30-5 #212

Job ID: 885-28873-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-30357/2-A				Client Sample ID: Lab Control Sample			
Matrix: Solid				Prep Type: Total/NA			
Analysis Batch: 30377				Prep Batch: 30357			
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	15.0	14.6		mg/Kg		97	90 - 110

QC Association Summary

Client: Hilcorp Energy
Project/Site: SJ 30-5 #212

Job ID: 885-28873-1

GC VOA

Prep Batch: 30236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28873-1	HA01@1'	Total/NA	Solid	5030C	
885-28873-2	HA01@5'	Total/NA	Solid	5030C	
885-28873-3	HA02@1'	Total/NA	Solid	5030C	
885-28873-4	HA02@2'	Total/NA	Solid	5030C	
885-28873-5	HA03@1'	Total/NA	Solid	5030C	
885-28873-6	HA03@5'	Total/NA	Solid	5030C	
MB 885-30236/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-30236/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-30236/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Prep Batch: 30248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28873-7	HA04@3'	Total/NA	Solid	5030C	
885-28873-8	HA04@5'	Total/NA	Solid	5030C	
885-28873-9	HA05@2'	Total/NA	Solid	5030C	
885-28873-10	HA05@5'	Total/NA	Solid	5030C	
885-28873-11	SS01	Total/NA	Solid	5030C	
885-28873-12	SS02	Total/NA	Solid	5030C	
885-28873-13	SS03	Total/NA	Solid	5030C	
885-28873-14	SS04	Total/NA	Solid	5030C	
MB 885-30248/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-30248/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-30248/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-28873-7 MS	HA04@3'	Total/NA	Solid	5030C	
885-28873-7 MSD	HA04@3'	Total/NA	Solid	5030C	
885-28873-8 MS	HA04@5'	Total/NA	Solid	5030C	
885-28873-8 MSD	HA04@5'	Total/NA	Solid	5030C	

Analysis Batch: 30341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28873-1	HA01@1'	Total/NA	Solid	8015M/D	30236
885-28873-2	HA01@5'	Total/NA	Solid	8015M/D	30236
885-28873-3	HA02@1'	Total/NA	Solid	8015M/D	30236
885-28873-4	HA02@2'	Total/NA	Solid	8015M/D	30236
885-28873-5	HA03@1'	Total/NA	Solid	8015M/D	30236
885-28873-6	HA03@5'	Total/NA	Solid	8015M/D	30236
MB 885-30236/1-A	Method Blank	Total/NA	Solid	8015M/D	30236
LCS 885-30236/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	30236

Analysis Batch: 30342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28873-1	HA01@1'	Total/NA	Solid	8021B	30236
885-28873-2	HA01@5'	Total/NA	Solid	8021B	30236
885-28873-3	HA02@1'	Total/NA	Solid	8021B	30236
885-28873-4	HA02@2'	Total/NA	Solid	8021B	30236
885-28873-5	HA03@1'	Total/NA	Solid	8021B	30236
885-28873-6	HA03@5'	Total/NA	Solid	8021B	30236
MB 885-30236/1-A	Method Blank	Total/NA	Solid	8021B	30236
LCS 885-30236/3-A	Lab Control Sample	Total/NA	Solid	8021B	30236

Eurofins Albuquerque

QC Association Summary

Client: Hilcorp Energy
Project/Site: SJ 30-5 #212

Job ID: 885-28873-1

GC VOA

Analysis Batch: 30551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28873-7	HA04@3'	Total/NA	Solid	8015M/D	30248
885-28873-8	HA04@5'	Total/NA	Solid	8015M/D	30248
885-28873-9	HA05@2'	Total/NA	Solid	8015M/D	30248
885-28873-10	HA05@5'	Total/NA	Solid	8015M/D	30248
885-28873-11	SS01	Total/NA	Solid	8015M/D	30248
885-28873-12	SS02	Total/NA	Solid	8015M/D	30248
885-28873-13	SS03	Total/NA	Solid	8015M/D	30248
885-28873-14	SS04	Total/NA	Solid	8015M/D	30248
MB 885-30248/1-A	Method Blank	Total/NA	Solid	8015M/D	30248
LCS 885-30248/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	30248
885-28873-7 MS	HA04@3'	Total/NA	Solid	8015M/D	30248
885-28873-7 MSD	HA04@3'	Total/NA	Solid	8015M/D	30248

Analysis Batch: 30552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28873-7	HA04@3'	Total/NA	Solid	8021B	30248
885-28873-8	HA04@5'	Total/NA	Solid	8021B	30248
885-28873-9	HA05@2'	Total/NA	Solid	8021B	30248
885-28873-10	HA05@5'	Total/NA	Solid	8021B	30248
885-28873-11	SS01	Total/NA	Solid	8021B	30248
885-28873-12	SS02	Total/NA	Solid	8021B	30248
885-28873-13	SS03	Total/NA	Solid	8021B	30248
885-28873-14	SS04	Total/NA	Solid	8021B	30248
MB 885-30248/1-A	Method Blank	Total/NA	Solid	8021B	30248
LCS 885-30248/3-A	Lab Control Sample	Total/NA	Solid	8021B	30248
885-28873-8 MS	HA04@5'	Total/NA	Solid	8021B	30248
885-28873-8 MSD	HA04@5'	Total/NA	Solid	8021B	30248

GC Semi VOA

Prep Batch: 30267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28873-1	HA01@1'	Total/NA	Solid	SHAKE	
885-28873-2	HA01@5'	Total/NA	Solid	SHAKE	
885-28873-3	HA02@1'	Total/NA	Solid	SHAKE	
885-28873-4	HA02@2'	Total/NA	Solid	SHAKE	
885-28873-5	HA03@1'	Total/NA	Solid	SHAKE	
885-28873-6	HA03@5'	Total/NA	Solid	SHAKE	
MB 885-30267/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-30267/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 30396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28873-1	HA01@1'	Total/NA	Solid	8015M/D	30267
885-28873-2	HA01@5'	Total/NA	Solid	8015M/D	30267
885-28873-3	HA02@1'	Total/NA	Solid	8015M/D	30267
885-28873-4	HA02@2'	Total/NA	Solid	8015M/D	30267
885-28873-5	HA03@1'	Total/NA	Solid	8015M/D	30267
885-28873-6	HA03@5'	Total/NA	Solid	8015M/D	30267
MB 885-30267/1-A	Method Blank	Total/NA	Solid	8015M/D	30267
LCS 885-30267/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	30267

Eurofins Albuquerque

QC Association Summary

Client: Hilcorp Energy
Project/Site: SJ 30-5 #212

Job ID: 885-28873-1

GC Semi VOA

Prep Batch: 30482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28873-7	HA04@3'	Total/NA	Solid	SHAKE	
885-28873-8	HA04@5'	Total/NA	Solid	SHAKE	
885-28873-9	HA05@2'	Total/NA	Solid	SHAKE	
885-28873-10	HA05@5'	Total/NA	Solid	SHAKE	
885-28873-11	SS01	Total/NA	Solid	SHAKE	
885-28873-12	SS02	Total/NA	Solid	SHAKE	
885-28873-13	SS03	Total/NA	Solid	SHAKE	
885-28873-14	SS04	Total/NA	Solid	SHAKE	
MB 885-30482/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-30482/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 30486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28873-7	HA04@3'	Total/NA	Solid	8015M/D	30482
885-28873-8	HA04@5'	Total/NA	Solid	8015M/D	30482
885-28873-9	HA05@2'	Total/NA	Solid	8015M/D	30482
885-28873-10	HA05@5'	Total/NA	Solid	8015M/D	30482
885-28873-11	SS01	Total/NA	Solid	8015M/D	30482
885-28873-12	SS02	Total/NA	Solid	8015M/D	30482
885-28873-13	SS03	Total/NA	Solid	8015M/D	30482
885-28873-14	SS04	Total/NA	Solid	8015M/D	30482

Analysis Batch: 30487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-30482/1-A	Method Blank	Total/NA	Solid	8015M/D	30482
LCS 885-30482/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	30482

HPLC/IC

Prep Batch: 30357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28873-1	HA01@1'	Total/NA	Solid	300_Prep	
885-28873-2	HA01@5'	Total/NA	Solid	300_Prep	
885-28873-3	HA02@1'	Total/NA	Solid	300_Prep	
885-28873-4	HA02@2'	Total/NA	Solid	300_Prep	
885-28873-5	HA03@1'	Total/NA	Solid	300_Prep	
885-28873-6	HA03@5'	Total/NA	Solid	300_Prep	
885-28873-7	HA04@3'	Total/NA	Solid	300_Prep	
885-28873-8	HA04@5'	Total/NA	Solid	300_Prep	
885-28873-9	HA05@2'	Total/NA	Solid	300_Prep	
885-28873-10	HA05@5'	Total/NA	Solid	300_Prep	
885-28873-11	SS01	Total/NA	Solid	300_Prep	
885-28873-12	SS02	Total/NA	Solid	300_Prep	
885-28873-13	SS03	Total/NA	Solid	300_Prep	
885-28873-14	SS04	Total/NA	Solid	300_Prep	
MB 885-30357/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-30357/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 30377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28873-1	HA01@1'	Total/NA	Solid	300.0	30357

Eurofins Albuquerque

QC Association Summary

Client: Hilcorp Energy
Project/Site: SJ 30-5 #212

Job ID: 885-28873-1

HPLC/IC (Continued)

Analysis Batch: 30377 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-28873-2	HA01@5'	Total/NA	Solid	300.0	30357
885-28873-3	HA02@1'	Total/NA	Solid	300.0	30357
885-28873-4	HA02@2'	Total/NA	Solid	300.0	30357
885-28873-5	HA03@1'	Total/NA	Solid	300.0	30357
885-28873-6	HA03@5'	Total/NA	Solid	300.0	30357
885-28873-7	HA04@3'	Total/NA	Solid	300.0	30357
885-28873-8	HA04@5'	Total/NA	Solid	300.0	30357
885-28873-9	HA05@2'	Total/NA	Solid	300.0	30357
885-28873-10	HA05@5'	Total/NA	Solid	300.0	30357
885-28873-11	SS01	Total/NA	Solid	300.0	30357
885-28873-12	SS02	Total/NA	Solid	300.0	30357
885-28873-13	SS03	Total/NA	Solid	300.0	30357
885-28873-14	SS04	Total/NA	Solid	300.0	30357
MB 885-30357/1-A	Method Blank	Total/NA	Solid	300.0	30357
LCS 885-30357/2-A	Lab Control Sample	Total/NA	Solid	300.0	30357

Lab Chronicle

Client: Hilcorp Energy
Project/Site: SJ 30-5 #212

Job ID: 885-28873-1

Client Sample ID: HA01@1'

Lab Sample ID: 885-28873-1

Date Collected: 07/14/25 12:00

Matrix: Solid

Date Received: 07/16/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			30236	JP	EET ALB	07/16/25 13:02
Total/NA	Analysis	8015M/D		1	30341	JP	EET ALB	07/18/25 05:32
Total/NA	Prep	5030C			30236	JP	EET ALB	07/16/25 13:02
Total/NA	Analysis	8021B		1	30342	JP	EET ALB	07/18/25 05:32
Total/NA	Prep	SHAKE			30267	JM	EET ALB	07/17/25 07:02
Total/NA	Analysis	8015M/D		1	30396	DH	EET ALB	07/19/25 07:42
Total/NA	Prep	300_Prep			30357	RC	EET ALB	07/18/25 08:29
Total/NA	Analysis	300.0		20	30377	RC	EET ALB	07/18/25 16:06

Client Sample ID: HA01@5'

Lab Sample ID: 885-28873-2

Date Collected: 07/14/25 12:28

Matrix: Solid

Date Received: 07/16/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			30236	JP	EET ALB	07/16/25 13:02
Total/NA	Analysis	8015M/D		1	30341	JP	EET ALB	07/18/25 05:56
Total/NA	Prep	5030C			30236	JP	EET ALB	07/16/25 13:02
Total/NA	Analysis	8021B		1	30342	JP	EET ALB	07/18/25 05:56
Total/NA	Prep	SHAKE			30267	JM	EET ALB	07/17/25 07:02
Total/NA	Analysis	8015M/D		1	30396	DH	EET ALB	07/19/25 08:06
Total/NA	Prep	300_Prep			30357	RC	EET ALB	07/18/25 08:29
Total/NA	Analysis	300.0		20	30377	RC	EET ALB	07/18/25 16:16

Client Sample ID: HA02@1'

Lab Sample ID: 885-28873-3

Date Collected: 07/14/25 13:13

Matrix: Solid

Date Received: 07/16/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			30236	JP	EET ALB	07/16/25 13:02
Total/NA	Analysis	8015M/D		1	30341	JP	EET ALB	07/18/25 06:20
Total/NA	Prep	5030C			30236	JP	EET ALB	07/16/25 13:02
Total/NA	Analysis	8021B		1	30342	JP	EET ALB	07/18/25 06:20
Total/NA	Prep	SHAKE			30267	JM	EET ALB	07/17/25 07:02
Total/NA	Analysis	8015M/D		1	30396	DH	EET ALB	07/19/25 08:29
Total/NA	Prep	300_Prep			30357	RC	EET ALB	07/18/25 08:29
Total/NA	Analysis	300.0		20	30377	RC	EET ALB	07/18/25 16:26

Client Sample ID: HA02@2'

Lab Sample ID: 885-28873-4

Date Collected: 07/14/25 13:19

Matrix: Solid

Date Received: 07/16/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			30236	JP	EET ALB	07/16/25 13:02
Total/NA	Analysis	8015M/D		1	30341	JP	EET ALB	07/18/25 06:43

Eurofins Albuquerque

Lab Chronicle

Client: Hilcorp Energy
Project/Site: SJ 30-5 #212

Job ID: 885-28873-1

Client Sample ID: HA02@2'

Lab Sample ID: 885-28873-4

Date Collected: 07/14/25 13:19

Matrix: Solid

Date Received: 07/16/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			30236	JP	EET ALB	07/16/25 13:02
Total/NA	Analysis	8021B		1	30342	JP	EET ALB	07/18/25 06:43
Total/NA	Prep	SHAKE			30267	JM	EET ALB	07/17/25 07:02
Total/NA	Analysis	8015M/D		1	30396	DH	EET ALB	07/19/25 08:53
Total/NA	Prep	300_Prep			30357	RC	EET ALB	07/18/25 08:29
Total/NA	Analysis	300.0		20	30377	RC	EET ALB	07/18/25 16:37

Client Sample ID: HA03@1'

Lab Sample ID: 885-28873-5

Date Collected: 07/14/25 16:14

Matrix: Solid

Date Received: 07/16/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			30236	JP	EET ALB	07/16/25 13:02
Total/NA	Analysis	8015M/D		1	30341	JP	EET ALB	07/18/25 07:07
Total/NA	Prep	5030C			30236	JP	EET ALB	07/16/25 13:02
Total/NA	Analysis	8021B		1	30342	JP	EET ALB	07/18/25 07:07
Total/NA	Prep	SHAKE			30267	JM	EET ALB	07/17/25 07:02
Total/NA	Analysis	8015M/D		1	30396	DH	EET ALB	07/19/25 09:17
Total/NA	Prep	300_Prep			30357	RC	EET ALB	07/18/25 08:29
Total/NA	Analysis	300.0		20	30377	RC	EET ALB	07/18/25 16:47

Client Sample ID: HA03@5'

Lab Sample ID: 885-28873-6

Date Collected: 07/14/25 13:54

Matrix: Solid

Date Received: 07/16/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			30236	JP	EET ALB	07/16/25 13:02
Total/NA	Analysis	8015M/D		1	30341	JP	EET ALB	07/18/25 07:30
Total/NA	Prep	5030C			30236	JP	EET ALB	07/16/25 13:02
Total/NA	Analysis	8021B		1	30342	JP	EET ALB	07/18/25 07:30
Total/NA	Prep	SHAKE			30267	JM	EET ALB	07/17/25 07:02
Total/NA	Analysis	8015M/D		1	30396	DH	EET ALB	07/19/25 09:41
Total/NA	Prep	300_Prep			30357	RC	EET ALB	07/18/25 08:29
Total/NA	Analysis	300.0		20	30377	RC	EET ALB	07/18/25 17:18

Client Sample ID: HA04@3'

Lab Sample ID: 885-28873-7

Date Collected: 07/14/25 14:35

Matrix: Solid

Date Received: 07/16/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			30248	AT	EET ALB	07/16/25 14:32
Total/NA	Analysis	8015M/D		1	30551	AT	EET ALB	07/21/25 19:48
Total/NA	Prep	5030C			30248	AT	EET ALB	07/16/25 14:32
Total/NA	Analysis	8021B		1	30552	AT	EET ALB	07/21/25 19:48

Eurofins Albuquerque

Lab Chronicle

Client: Hilcorp Energy
Project/Site: SJ 30-5 #212

Job ID: 885-28873-1

Client Sample ID: HA04@3'
Date Collected: 07/14/25 14:35
Date Received: 07/16/25 07:10

Lab Sample ID: 885-28873-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			30482	BZR	EET ALB	07/21/25 09:44
Total/NA	Analysis	8015M/D		1	30486	EM	EET ALB	07/21/25 16:46
Total/NA	Prep	300_Prep			30357	RC	EET ALB	07/18/25 08:29
Total/NA	Analysis	300.0		20	30377	RC	EET ALB	07/18/25 17:28

Client Sample ID: HA04@5'
Date Collected: 07/14/25 14:47
Date Received: 07/16/25 07:10

Lab Sample ID: 885-28873-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			30248	AT	EET ALB	07/16/25 14:32
Total/NA	Analysis	8015M/D		1	30551	AT	EET ALB	07/21/25 20:54
Total/NA	Prep	5030C			30248	AT	EET ALB	07/16/25 14:32
Total/NA	Analysis	8021B		1	30552	AT	EET ALB	07/21/25 20:54
Total/NA	Prep	SHAKE			30482	BZR	EET ALB	07/21/25 09:44
Total/NA	Analysis	8015M/D		1	30486	EM	EET ALB	07/21/25 16:57
Total/NA	Prep	300_Prep			30357	RC	EET ALB	07/18/25 08:29
Total/NA	Analysis	300.0		20	30377	RC	EET ALB	07/18/25 17:39

Client Sample ID: HA05@2'
Date Collected: 07/14/25 15:02
Date Received: 07/16/25 07:10

Lab Sample ID: 885-28873-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			30248	AT	EET ALB	07/16/25 14:32
Total/NA	Analysis	8015M/D		1	30551	AT	EET ALB	07/21/25 21:59
Total/NA	Prep	5030C			30248	AT	EET ALB	07/16/25 14:32
Total/NA	Analysis	8021B		1	30552	AT	EET ALB	07/21/25 21:59
Total/NA	Prep	SHAKE			30482	BZR	EET ALB	07/21/25 09:44
Total/NA	Analysis	8015M/D		1	30486	EM	EET ALB	07/21/25 17:08
Total/NA	Prep	300_Prep			30357	RC	EET ALB	07/18/25 08:29
Total/NA	Analysis	300.0		20	30377	RC	EET ALB	07/18/25 17:49

Client Sample ID: HA05@5'
Date Collected: 07/14/25 15:11
Date Received: 07/16/25 07:10

Lab Sample ID: 885-28873-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			30248	AT	EET ALB	07/16/25 14:32
Total/NA	Analysis	8015M/D		1	30551	AT	EET ALB	07/21/25 22:20
Total/NA	Prep	5030C			30248	AT	EET ALB	07/16/25 14:32
Total/NA	Analysis	8021B		1	30552	AT	EET ALB	07/21/25 22:20
Total/NA	Prep	SHAKE			30482	BZR	EET ALB	07/21/25 09:44
Total/NA	Analysis	8015M/D		1	30486	EM	EET ALB	07/21/25 17:19

Lab Chronicle

Client: Hilcorp Energy
Project/Site: SJ 30-5 #212

Job ID: 885-28873-1

Client Sample ID: HA05@5'

Lab Sample ID: 885-28873-10

Date Collected: 07/14/25 15:11

Matrix: Solid

Date Received: 07/16/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			30357	RC	EET ALB	07/18/25 08:29
Total/NA	Analysis	300.0		20	30377	RC	EET ALB	07/18/25 17:59

Client Sample ID: SS01

Lab Sample ID: 885-28873-11

Date Collected: 07/14/25 15:25

Matrix: Solid

Date Received: 07/16/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			30248	AT	EET ALB	07/16/25 14:32
Total/NA	Analysis	8015M/D		1	30551	AT	EET ALB	07/21/25 22:42
Total/NA	Prep	5030C			30248	AT	EET ALB	07/16/25 14:32
Total/NA	Analysis	8021B		1	30552	AT	EET ALB	07/21/25 22:42
Total/NA	Prep	SHAKE			30482	BZR	EET ALB	07/21/25 09:44
Total/NA	Analysis	8015M/D		1	30486	EM	EET ALB	07/21/25 17:30
Total/NA	Prep	300_Prep			30357	RC	EET ALB	07/18/25 08:29
Total/NA	Analysis	300.0		20	30377	RC	EET ALB	07/18/25 18:10

Client Sample ID: SS02

Lab Sample ID: 885-28873-12

Date Collected: 07/14/25 16:08

Matrix: Solid

Date Received: 07/16/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			30248	AT	EET ALB	07/16/25 14:32
Total/NA	Analysis	8015M/D		1	30551	AT	EET ALB	07/21/25 23:04
Total/NA	Prep	5030C			30248	AT	EET ALB	07/16/25 14:32
Total/NA	Analysis	8021B		1	30552	AT	EET ALB	07/21/25 23:04
Total/NA	Prep	SHAKE			30482	BZR	EET ALB	07/21/25 09:44
Total/NA	Analysis	8015M/D		1	30486	EM	EET ALB	07/21/25 17:41
Total/NA	Prep	300_Prep			30357	RC	EET ALB	07/18/25 08:29
Total/NA	Analysis	300.0		20	30377	RC	EET ALB	07/18/25 18:20

Client Sample ID: SS03

Lab Sample ID: 885-28873-13

Date Collected: 07/14/25 15:32

Matrix: Solid

Date Received: 07/16/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			30248	AT	EET ALB	07/16/25 14:32
Total/NA	Analysis	8015M/D		1	30551	AT	EET ALB	07/21/25 23:26
Total/NA	Prep	5030C			30248	AT	EET ALB	07/16/25 14:32
Total/NA	Analysis	8021B		1	30552	AT	EET ALB	07/21/25 23:26
Total/NA	Prep	SHAKE			30482	BZR	EET ALB	07/21/25 09:44
Total/NA	Analysis	8015M/D		1	30486	EM	EET ALB	07/21/25 17:52
Total/NA	Prep	300_Prep			30357	RC	EET ALB	07/18/25 08:29
Total/NA	Analysis	300.0		20	30377	RC	EET ALB	07/18/25 18:31

Eurofins Albuquerque

Lab Chronicle

Client: Hilcorp Energy
Project/Site: SJ 30-5 #212

Job ID: 885-28873-1

Client Sample ID: SS04
Date Collected: 07/14/25 15:36
Date Received: 07/16/25 07:10

Lab Sample ID: 885-28873-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			30248	AT	EET ALB	07/16/25 14:32
Total/NA	Analysis	8015M/D		1	30551	AT	EET ALB	07/21/25 23:48
Total/NA	Prep	5030C			30248	AT	EET ALB	07/16/25 14:32
Total/NA	Analysis	8021B		1	30552	AT	EET ALB	07/21/25 23:48
Total/NA	Prep	SHAKE			30482	BZR	EET ALB	07/21/25 09:44
Total/NA	Analysis	8015M/D		1	30486	EM	EET ALB	07/21/25 18:04
Total/NA	Prep	300_Prep			30357	RC	EET ALB	07/18/25 08:29
Total/NA	Analysis	300.0		20	30377	RC	EET ALB	07/18/25 18:41

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

Accreditation/Certification Summary

Client: Hilcorp Energy
Project/Site: SJ 30-5 #212

Job ID: 885-28873-1

Laboratory: Eurofins Albuquerque

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

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-27-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0	300_Prep	Solid	Chloride
8015M/D	5030C	Solid	Gasoline Range Organics (GRO)-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

Client Information						Invoice Information				Lab Use Only				TAT				State							
Client:	Hilcorp					Company:						Lab WO#	Job Number			1D	2D	3D	Std	NM	CO				
Project Name:	SS 30-5 #212					Address:													X						
Project Manager:	Ats Hattori					City, State, Zip:																			
Address:	Katie Kaufman					Phone:																			
City, State, Zip:						Email:																			
Phone:	(816) 266-8732					Miscellaneous:																			
Email:	Kkaufman@hilcorp.com																								
Sample Information														Analysis and Method										Remarks	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	EPA P1 SDWA CV	PWSID #	Compliance	Y	O	R	N				
1200	7/14/25	S&I	1-4oz	HAG@1'		1	X	X	X		X														
1228	7/14/25	Soil	1-4oz	HAG1@5'		2																			
1313				HAG2@1'		3																			
1319				HAO2@2'		4																			
1614				HAO3@1'		5																			
1354				HAO3@5'		6																			
1435				HAO4@3'		7																			
1447				HAO4@5'		8																			
1502				HAO5@2'		9																			
1511				HAO5@5'		10																			
Additional Instructions: Please cc wweichee@ensolum.com, tdombrowskie@ensolum.com																									
Sampler 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 subzeroawait.dawg.																									
Received on ice: 0 / N																									
Lab Use Only																									
T1 7/14/25 12 4.3 I3																									
AVG Temp °C 4.3																									
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																									
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																									

Chain of Custody

Client Information				Invoice Information				Lab Use Only				TAT				State							
Client: <u>Bill Loepp</u> Project Name: <u>53-5 # 217</u> Project Manager: <u>Kate Kaufman</u> Address: <u>Kate Kaufman</u> City, State, Zip: <u>5806-8732</u> Phone: <u>5806-8732</u> Email: <u>Kkaufman@hilcorp.com</u>				Company: _____ Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ Miscellaneous: _____				Lab WO# <u>E</u> Job Number _____				1D _____ 2D _____ 3D _____ Std _____				NM _____ CO _____ UT _____ TX _____ X _____							
Sample Information																							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	Analysis and Method										EPA Program		Remarks				
							DRD/ORD by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	8GDOC - NM	TCED 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA						
1525	7/14/25	Soil	1-402	SS01		11	X	X	X		X												
1608				SS02		12																	
1532				SS03		13																	
1536				SS04		14																	
Additional Instructions: Please see page 1																							
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Tracy Dembrowski</u>																							
Relinquished by: (Signature) <u>[Signature]</u>				Date <u>7/15/25</u>				Time <u>1737</u>				Received by: (Signature) <u>[Signature]</u>				Date <u>7/15/25</u>				Time <u>1737</u>			
Relinquished by: (Signature) <u>[Signature]</u>				Date <u>7/15/25</u>				Time <u>1745</u>				Received by: (Signature) <u>[Signature]</u>				Date <u>7/16/25</u>				Time <u>7:10</u>			
Relinquished by: (Signature) <u>[Signature]</u>				Date _____				Time _____				Received by: (Signature) _____				Date _____				Time _____			
Relinquished by: (Signature) _____				Date _____				Time _____				Received by: (Signature) _____				Date _____				Time _____			
Sample Matrix: S - Soil, SD - Solid, SG - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____																							
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																							



envirotech

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Login Sample Receipt Checklist

Client: Hilcorp Energy

Job Number: 885-28873-1

Login Number: 28873

List Source: Eurofins Albuquerque

List Number: 1

Creator: McQuiston, Steven

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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

QUESTIONS

Action 497622

QUESTIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 497622
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2518832108
Incident Name	NAPP2518832108 SAN JUAN 30-5 #212 @ 30-039-24721
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-039-24721] SAN JUAN 30 5 UNIT #212

Location of Release Source*Please answer all the questions in this group.*

Site Name	San Juan 30-5 #212
Date Release Discovered	07/02/2025
Surface Owner	Private

Incident Details*Please answer all the questions in this group.*

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

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

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Tank (Any) Produced Water Released: 17 BBL Recovered: 0 BBL Lost: 17 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 497622

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 497622
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 08/20/2025
--	--

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QUESTIONS, Page 3

Action 497622

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 497622
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (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 200 and 300 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 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 100 and 200 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	None
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	0
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	07/14/2025
On what date will (or did) the final sampling or liner inspection occur	07/14/2025
On what date will (or was) the remediation complete(d)	07/14/2025
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	0
What is the estimated volume (in cubic yards) that will be remediated	0
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 497622

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 497622
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	<i>Not answered.</i>
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	<i>Not answered.</i>
(In Situ) Soil Vapor Extraction	<i>Not answered.</i>
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<i>Not answered.</i>
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<i>Not answered.</i>
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<i>Not answered.</i>
Ground Water Abatement pursuant to 19.15.30 NMAC	<i>Not answered.</i>
OTHER (Non-listed remedial process)	Yes
Other Non-listed Remedial Process. Please specify	No remediation needed
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 08/20/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 497622

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 497622
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 497622

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 497622
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	482482
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/14/2025
What was the (estimated) number of samples that were to be gathered	12
What was the sampling surface area in square feet	1000

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	0
What was the total volume (cubic yards) remediated	0
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	N/A
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 08/20/2025

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QUESTIONS, Page 7

Action 497622

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 497622
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 497622

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 497622
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	10/22/2025