



April 24, 2026

New Mexico Oil Conservation Division

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

Re: Remediation Report and Closure Request

Howell C #3B
Hilcorp Energy Company
NMOCD Incident No: nAPP2607525072

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Hilcorp Energy Company (Hilcorp), presents this *Remediation Report and Closure Request* for a release at the Howell C #3B natural gas production well (Site). The Site is located on land managed by the Bureau of Land Management (BLM) in Unit H, Section 7, Township 30 North, Range 8 West, in San Juan County, New Mexico (Figure 1). This report describes the excavation and confirmation soil sampling activities performed at the Site to remediate impacted soil originating from the release.

SITE BACKGROUND

On February 9, 2026, Hilcorp personnel discovered fluids and stained soil on the well pad. Upon further inspection, it was determined that the fluids originated from an underground pipeline. The pipeline was immediately shut in to stop the release, and the pipeline was exposed to make necessary repairs. During repair activities, initial soil samples were collected February 9, 2026, to assess potential soil impacts related to the release. Additional soil sampling activities were conducted on February 19, 2026, in attempts to delineate the release and provide an estimated volume of soil impacted by the release (further discussed below). Hilcorp submitted the *Notification of Release* to the New Mexico Oil Conservation Division (NMOCD) on March 16, 2026. The NMOCD has assigned the Site Incident Number nAPP2607525072.

SITE CHARACTERIZATION

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

POTENTIAL SENSITIVE RECEPTORS

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

The nearest significant watercourse to the Site is a dry wash located approximately 660 feet east of the Site. The nearest well is a cathodic protection well located 925 feet north of the Site and located at the Howell C #3 well pad (API number 30-045-12139). This well was drilled to a total depth of 420 feet below ground surface (bgs) and encountered groundwater at 180 feet bgs. The second nearest wells are associated with NMOSE permit number SJ-04261 and located at a groundwater remediation Site operated by Harvest Four Corners, LLC. These wells are located approximately 3,190 feet northwest of the Site with recorded depth to water of 75 feet bgs. Based on this information and as approved by the NMOC in their email dated March 16, 2026, depth to water at the Site is estimated to be greater than 100 feet bgs. Depth to water information is presented in Appendix A. Correspondence with the NMOC is included in Appendix B.

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

SITE CLOSURE CRITERIA

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

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

DELINEATION AND SOIL SAMPLING ACTIVITIES

Upon discovery of the release, Hilcorp personnel collected initial soil samples on February 9, 2026, to assess Site conditions. Samples S-1 through S-3 were collected and submitted to Eurofins Environment Testing (Eurofins) in Albuquerque, New Mexico for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B, TPH following Method 8015M/D, and chloride following EPA Method 300.0. The sample collected at S-1 contained elevated concentrations of TPH as a combination of GRO and DRO above the NMOC Table I Closure Criteria.

Because of the exceedance at S-1, Hilcorp retained Ensolum to conduct pothole delineation activities on February 19, 2026. During delineation activities, Ensolum personnel logged soil lithology and field screened for the presence of volatile organic compounds (VOCs) using a calibrated photoionization detector (PID). Soil descriptions and field screening results were noted in the field book. PID field screening results are also included in Table 1. In total, five potholes (PH01 through PH05) were advanced at the Site to depths up to 7 feet bgs (Figure 2). Additionally, one discrete sample, DS01 was collected to assess COC concentrations in heavily stained soil encountered near the release point. All samples were submitted to Eurofins for BTEX, TPH, and chloride analyses using the methods described above.

Sample results identified COC concentrations exceeding the applicable Closure Criteria in samples collected from PH01 and DS01. All other analyzed samples were compliant with the applicable Closure Criteria. Analytical results are summarized in Table 1 and on Figure 2, with complete laboratory reports attached in Appendix C. Photographs taken during delineation activities are provided in Appendix D.

EXCAVATION AND SOIL SAMPLING ACTIVITIES

Based on the delineation sampling activities described above, Hilcorp remediated impacted soil through excavation and off-Site disposal to the Envirotech commercial landfarm in San Juan County, New Mexico. Excavation activities were conducted on March 31, 2026. Notification to the NMOCD was provided at least two business days prior to conducting remediation and sampling work, with correspondence attached in Appendix B. To direct excavation activities, Ensolum personnel field screened soil for VOCs using a calibrated PID.

Once field screening indicated impacted soil had been removed, five-point composite soil samples were collected from the floor (FS01 and FS02) and sidewalls (SW01 through SW04) of the excavation at a frequency not exceeding one sample per 200 square feet (Figure 3). All floor samples were collected at a depth of 6 feet bgs and all sidewall samples were collected at depths from the ground surface to 6 feet bgs. The five-point composite samples were collected by placing five equivalent aliquots of soil into a resealable plastic bag and homogenizing the samples by thoroughly mixing. The soil samples were placed into laboratory provided containers and transported under proper chain of custody procedures to Envirotech Analytical Laboratory (Envirotech) for analysis of TPH, BTEX, and chloride using the methods described above. Analytical results from the excavation indicated concentrations of TPH, BTEX, and chloride were compliant with NMOCD Table I Closure Criteria in all confirmation samples. In total, approximately 80 cubic yards of impacted soil over an area of 280 square feet was removed and transported to the Envirotech Landfarm for disposal/treatment.

In addition to the excavation confirmation sampling, Ensolum also collected additional delineation samples outside of the excavation extent to assess soil conditions compared to the reclamation requirement of 100 mg/kg TPH and 600 mg/kg chloride. Additional delineation samples were collected at locations S-2, PH06, and PH07 to complete delineation to the reclamation requirement. Analytical results from sample locations S-2, S-3, PH05, PH06, and PH07 indicated soils did not exceed the reclamation requirement in the top 4 feet bgs outside of the excavation extent.

All soil sample results are summarized in Table 1, with complete laboratory analytical reports attached as Appendix C. Photographs taken by Ensolum during the excavation work are presented in Appendix D.

CLOSURE REQUEST

Excavation and sampling activities were conducted at the Site to address the release discovered on February 9, 2026. Laboratory analytical results for the excavation confirmation soil samples, collected from the final excavation extent, indicated all COC concentrations were compliant with the Site Closure Criteria and no further remediation is required. Excavation of impacted soil has mitigated impacts at this Site, and these remedial actions have been protective of human health, the environment, and groundwater. As such, Hilcorp respectfully requests closure for Incident Number nAPP2607525072.

Hilcorp Energy Company
Remediation Report and Closure Request
Howell C #3B

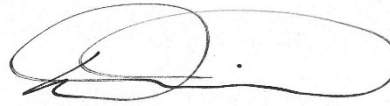
Page 4

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

Sincerely,
Ensolum, LLC



Stuart Hyde, PG (licensed in WA & TX)
Senior Managing Geologist
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Daniel R. Moir, PG (licensed in WY & TX)
Senior Managing Geologist
(303) 887-2946
dmoir@ensolum.com

Attachments:

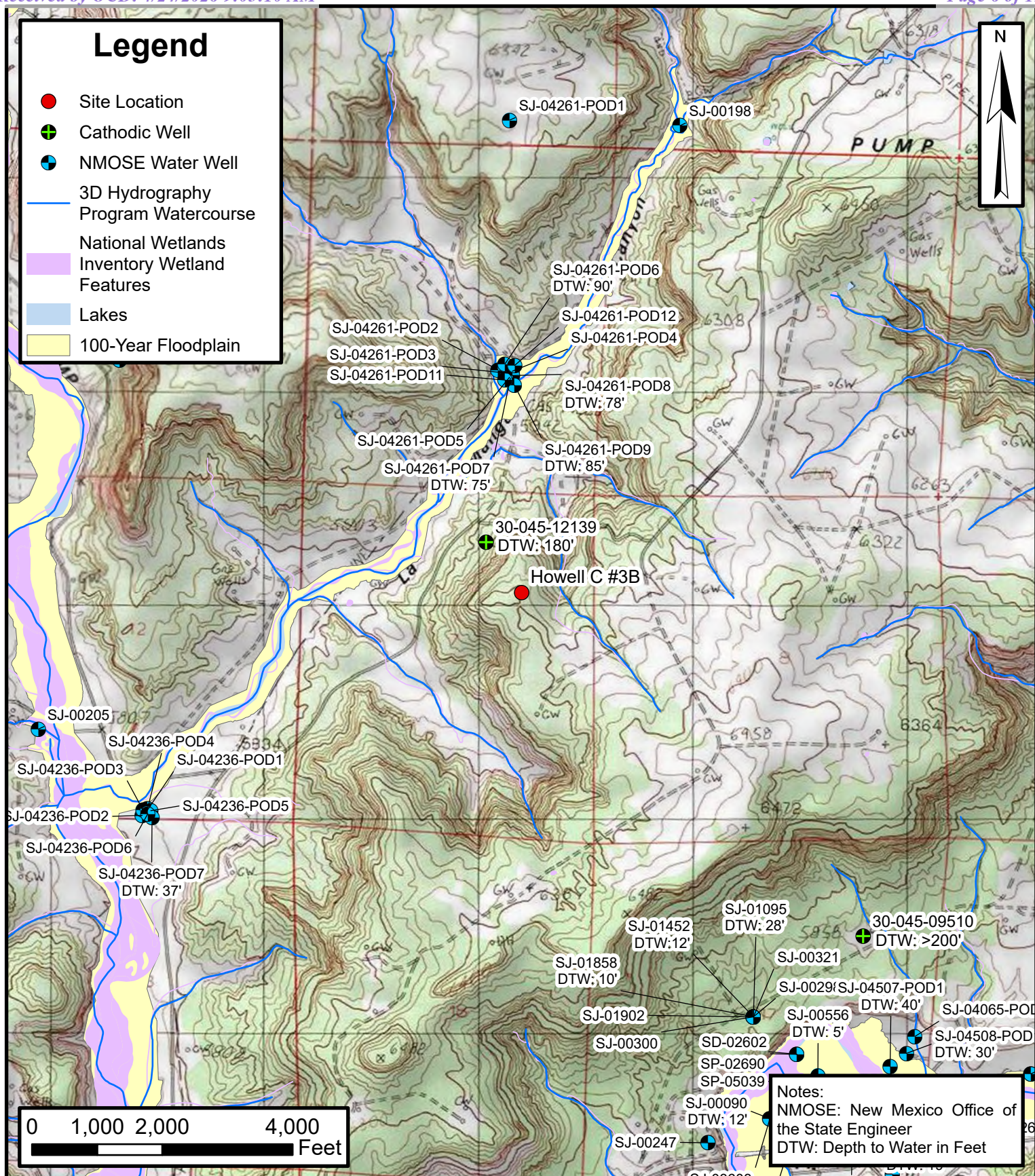
Figure 1: Site Location Map
Figure 2: Delineation Soil Sample Locations
Figure 3: Excavation Soil Sample Locations

Table 1: Soil Sample Analytical Results

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



FIGURES



Site Location Map

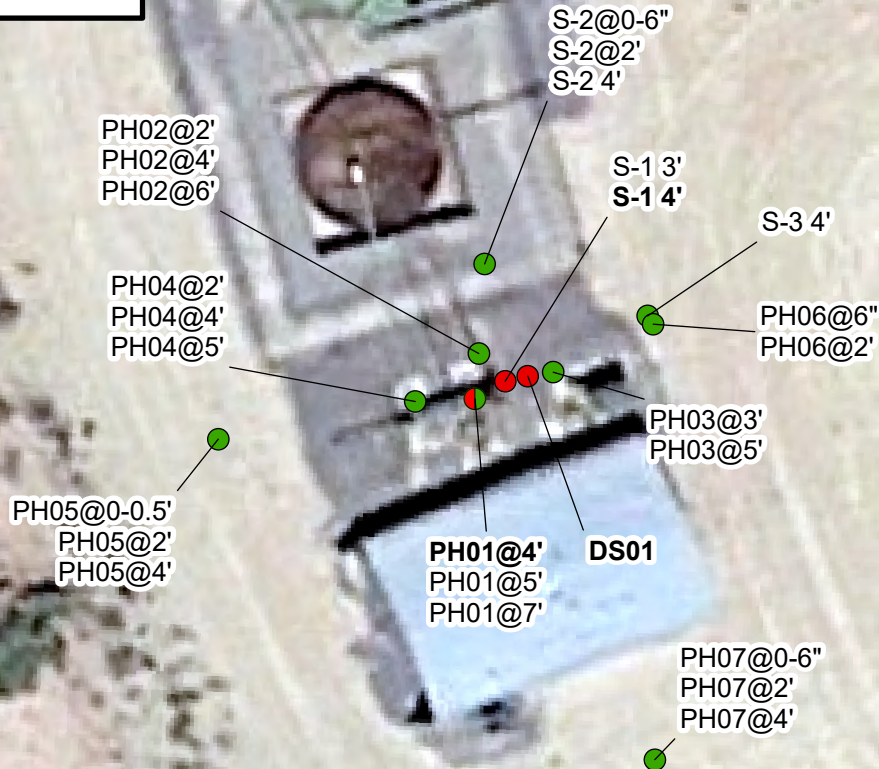
Howell C #3B
 Hilcorp Energy Company
 36.8283806, -107.7117462
 San Juan County, New Mexico

FIGURE
 1



Legend

- Delineation Sample in Compliance with NMOCD Closure Criteria
- Delineation Sample Exceeding NMOCD Closure Criteria
- ● Delineation Sample with Terminus in Compliance with NMOCD Closure Criteria



0 10 20 40
Feet

Notes:

Bold: Indicates Results Exceed NMOCD Closure Criteria
NMOCD: New Mexico Oil Conservation Division



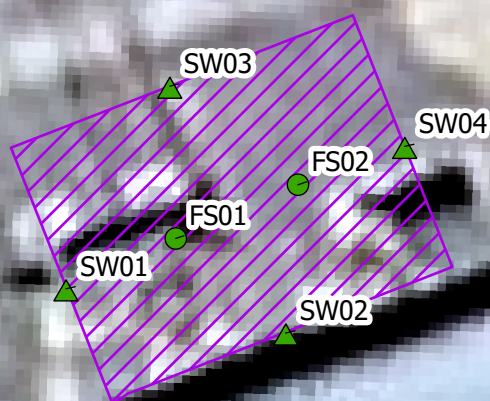
Delineation Soil Sample Locations

Howell C #3B
Hilcorp Energy Company
36.8283806, -107.7117462
San Juan County, New Mexico

FIGURE
2

Legend

- Excavation Floor Sample in Compliance with NMOCD Closure Criteria
- ▲ Excavation Sidewall Sample in Compliance with NMOCD Closure Criteria
- ▨ Excavation Extent



0 5 10 20
Feet

Notes:
NMOCD: New Mexico Oil Conservation Division



Excavation Soil Sample Locations

Howell C #3B
Hilcorp Energy Company
36.8283806, -107.7117462
San Juan County, New Mexico

FIGURE
3



TABLES

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Howell C #3B
 Hilcorp Energy Company
 San Juan County, New Mexico

Sample Identification	Date	Depth (feet bgs)	PID (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCOD Closure Criteria for Soils Impacted by a Release			NE	10	NE	NE	NE	50	NE	NE	NE	2,500	2,500	600
Delineation Soil Samples														
S-1 3'	2/9/2026	3	--	0.54	0.94	0.1	2.4	4.0	130	84	240	214	454	<15
S-1 4'	2/9/2026	4	--	0.73	7.6	1.8	23	33	820	200	370	1,020	1,390	<15
S-2@0-6"	3/31/2026	0-0.5	4.0	<0.025	<0.025	<0.025	0.0568	0.0568	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
S-2@2'	3/31/2026	2	2.8	<0.025	<0.025	<0.025	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
S-2 4'	2/9/2026	4	--	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	17	81	17	98	<15
S-3 4'	2/9/2026	4	--	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.7	<48	<9.7	<48	<15
PH01@4'	2/4/2026	4	1,738	<1.2	8.4	3.3	400	442	1,600	300	280	1,800	2,080	<49
PH01@5'	2/4/2026	5	2,887	<1.2	<2.3	<2.3	37	37	440	180	170	620	790	<50
PH01@7'	2/19/2026	7	1,470	<0.12	<0.24	0.45	11	11	210	84	130	294	424	<50
PH02@2'	2/4/2026	2	1,768	<0.12	0.37	0.97	17	18	280	55	140	335	475	<54
PH02@4'	2/4/2026	4	1,846	<0.025	<0.050	0.28	5.2	5.5	110	65	140	175	315	<50
PH02@6'	2/19/2026	6	1,973	<1.2	<2.5	<2.5	25	25	300	110	150	410	560	<50
PH03@3'	2/4/2026	3	340.5	<0.025	<0.050	<0.050	0.12	0.12	16	40	110	56	166	<54
PH03@5'	2/4/2026	5	564.6	<0.025	<0.050	<0.050	<0.10	<0.10	6.8	33	130	40	170	<50
PH04@2'	2/19/2026	2	999.5	0.030	<0.048	0.66	27	28	440	160	110	600	710	<51
PH04@4'	2/19/2026	4	118.4	<0.025	<0.050	0.23	3.8	4.0	77	53	78	130	208	<49
PH04@5'	2/19/2026	5	2,542	<0.023	<0.047	0.3	5.6	5.9	110	46	110	156	266	<50
PH05@0-0.5'	2/19/2026	0 - 0.5	22.6	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.6	<48	<9.6	<48	<50
PH05@2'	2/19/2026	2	31.1	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.6	<48	<9.6	<48	<50
PH05@4'	2/19/2026	5	19.2	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.6	<48	<9.6	<48	<51
PH06@0-6"	3/31/2026	0-0.5	10.9	<0.025	<0.025	<0.025	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH06@2'	3/31/2026	2	5.8	<0.025	<0.025	<0.025	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH07@0-6"	3/31/2026	0.0.5	1.4	<0.025	<0.025	<0.025	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	22.1
PH07@2'	3/31/2026	2	2.3	<0.025	<0.025	<0.025	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH07@4'	3/31/2026	4	0.8	<0.025	<0.025	<0.025	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
DS01	2/4/2026	4	1,608	6.0	160	26	310	502	7,000	1,700	930	8,700	9,630	<49
Excavation Soil Samples														
FS01	3/31/2026	6	700.4	<0.025	<0.025	0.0340	0.364	0.398	<20.0	43.1	89.5	133	133	<20.0
FS02	3/31/2026	6	986.2	<0.025	<0.025	0.0263	0.304	0.330	20.4	97.2	82.1	118	200	<20.0
SW01	3/31/2026	0 - 6	422.1	<0.025	<0.025	<0.025	0.0768	0.0768	<20.0	52.0	153.0	52.0	205	<20.0
SW02	3/31/2026	0 - 6	193.9	<0.025	<0.025	0.0426	0.688	0.731	21.9	121.0	297.0	143	440	<20.0
SW03	3/31/2026	0 - 6	165.7	<0.025	<0.025	<0.025	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW04	3/31/2026	0 - 6	874.8	<0.025	<0.025	0.0375	0.578	0.616	26.3	37.0	53.0	63	116	<20.0

Notes:

bgs: Below ground surface

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

mg/kg: Milligrams per kilogram

NA: Not Analyzed

NE: Not Established

NMOCOD: 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)

Grey and strikethrough text represents soil sample areas that have been excavated



APPENDIX A

Depth to Water Information

30-045-12139

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit NE Sec. 7 Twp 30 Rng 8Name of Well/Wells or Pipeline Serviced HOWELL C #3

cps 14w

Elevation 6039 Completion Date 11/28/90 Total Depth 460' Land Type* N/ACasing, Sizes, Types & Depths 20' OF 8" PVC CASINGIf Casing is cemented, show amounts & types used N/AIf Cement or Bentonite Plugs have been placed, show depths & amounts used
N/A

Depths & thickness of water zones with description of water when possible:

Fresh, Clear, Salty, Sulphur, Etc. 180' SAMPLE TAKEN**RECEIVED**

MAY 31 1991

Depths gas encountered: N/A**OIL CON. DIV.**
DIST. 3Type & amount of coke breeze used: 3800 lbs.Depths anodes placed: 420', 410', 400', 390', 380', 370', 360', 350', 340', 330'Depths vent pipes placed: 450' OF 1" PVC VENT PIPEVent pipe perforations: 200'Remarks: gb #3

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.
If Federal or Indian, add Lease Number.

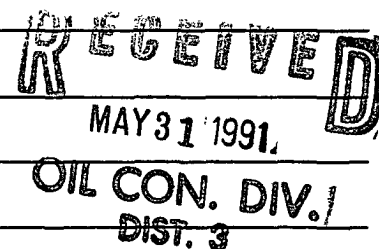
30-045-12139

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit NE Sec. 7 Twp 30 Rng 8Name of Well/Wells or Pipeline Serviced HOWELL C #3cps 14wElevation 6039' Completion Date 2/28/ 69 Total Depth 420' Land Type* N/ACasing, Sizes, Types & Depths N/AIf Casing is cemented, show amounts & types used N/AIf Cement or Bentonite Plugs have been placed, show depths & amounts used
N/ADepths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. 180' TO 200'Depths gas encountered: N/AType & amount of coke breeze used: 7400 lbs.Depths anodes placed: 356', 350', 344', 338', 332', 326', 320', 314'Depths vent pipes placed: N/AVent pipe perforations: 340'Remarks: qb #2 ABANDONED GB #1. RECOVERED 3 ANODES.

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.
If Federal or Indian, add Lease Number.



36-045-12139

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO

(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit NE Sec. 7 Twp 30 Rng 8Name of Well/Wells or Pipeline Serviced HOWELL C #3cps 14wElevation 6039' Completion Date 11/4/61 Total Depth 200' Land Type *N/ACasing, Sizes, Types & Depths N/AIf Casing is cemented, show amounts & types used N/AIf Cement or Bentonite Plugs have been placed, show depths & amounts used
N/ADepths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. N/ADepths gas encountered: N/AType & amount of coke breeze used: 1560 lbs.Depths anodes placed: 187', 180', 174', 130', 74', 68'Depths vent pipes placed: N/AVent pipe perforations: N/ARemarks: gb #1**RECEIVED**
MAY 31 1991
OIL CON. DIV.
DIST. 3

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.
If Federal or Indian, add Lease Number.



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) SJ-4261 POD 9 MW-09		WELL TAG ID NO. LT362 NA		OSE FILE NO(S). SJ-4261 POD 6-8		
	WELL OWNER NAME(S) HARVEST FOUR CORNERS, LLC				PHONE (OPTIONAL) 505-632-4625		
	WELL OWNER MAILING ADDRESS 1755 ARROYO DRIVE				CITY BLOOMFIELD	STATE NM	
					ZIP 87413		
WELL LOCATION (FROM GPS)	LATITUDE 36.837049		N		* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
	LONGITUDE -107.712260		W		* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE LOCATED ON THE PRITCHARD #2A OIL & GAS PRODUCTION PAD IN SAN JUAN CO, NM							
2. DRILLING & CASING INFORMATION	LICENSE NO. WD 1186		NAME OF LICENSED DRILLER RODNEY HAMMER		NAME OF WELL DRILLING COMPANY ENVIRO-DRILL, INC.		
	DRILLING STARTED 10/16/19	DRILLING ENDED 10/22/19	DEPTH OF COMPLETED WELL (FT) 85'	BORE HOLE DEPTH (FT) 85'	DEPTH WATER FIRST ENCOUNTERED (FT) 75'		
	COMPLETED WELL IS: ☐ ARTESIAN ☐ DRY HOLE ☒ SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 75'		
	DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES - SPECIFY:						
	DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☒ OTHER - SPECIFY: HSA						
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)
	85	70	8"	PVC	flush thread	2	Sch. 40
	70	0	↓	+	↓	↓	+
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT	
	85	67	8"	10-20 Silica Sand	8	STATE ENGINEER'S OFFICE ALBUQUERQUE, NEW MEXICO 2019 OCT 25 PM 3:33	
	67	65	↓	bentonite chips	1		
	65	1	↓	bentonite cement grout	100 gal.		
	1	0		Concrete			

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO. SJ-4261	POD NO. 9	TRN NO.
LOCATION 30N.8W.6.414	WELL TAG ID NO.	PAGE 1 OF 2

DEPTH (feet bgl)	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
			Y N	
		SEE attached boring logs	Y N	
			Y N	
			Y N	
			Y N	
			Y N	
			Y N	
			Y N	
			Y N	
			Y N	
			Y N	
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			Y N	
			Y N	
			Y N	
			Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: ☐ PUMP ☐ AIR LIFT ☐ BAILER ☒ OTHER – SPECIFY: Monitor well			TOTAL ESTIMATED WELL YIELD (gpm):	N/A 0.00
WELL TEST		TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.		
MISCELLANEOUS INFORMATION:				
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:				
THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:				
SIGNATURE OF DRILLER / PRINT SIGNEE NAME		DATE		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO.		POD NO.	TRN NO.
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2

0950 - Calibrate 0955
10:00 - Drill

Advancing Opportunity

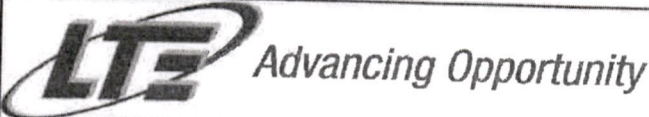
BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: BH03/MW09	Project: Pritchard #2A
Date: 10/17/2019	Project Number: 090319020
Logged By: Mary Mrdjenovich	Drilled By: Enviro-Drill
Drilling Method: Hollow Stem/ Air Rotary	Sampling Method: Split Spoon
Seal: Hydrated Bentonite Chips - 64.3'	Grout: Bentonite-Cement Slurry Riser = 3'
Diameter: 2"	Hole Diameter: 8"
Length: Sand pack: 67'	Depth to Liquid: ---
Diameter: 2"	Length: 15' 67' 70'
Total Depth: 85'	Depth to Water: ~TS'

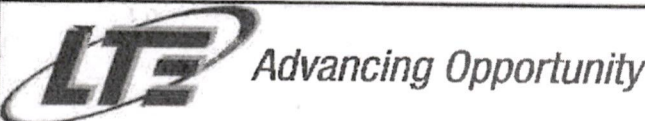
Elevation: 5,953	Detector: PID
Gravel Pack: 10-20 Silica Sand	
Casing Type: Schedule 40 PVC	
Screen Type: Schedule 40 PVC	Slot: 0.010"

Penetration Resistance	Moisture Content	Vapor (ppm)	HC Staining?	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
					0				Silty Sand, lgt brown, no odor	
					1					
					2			SM		
					3					
					4					
					5		45%		Saa	
	Dry	0.0	No		6	1				
					7					
					8					
					9					
					10		30%	SM	Saa	
	Dry	0.0	No		11	2				
					12					
					13					
					14					
					15			SW		

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										Boring/Well #	BH03/MW09	
										Project:	Pritchard #2A	
										Project #	090319020	
										Date	10/17/2019	
Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion		
	Dry	0.0	No		15	43	40%	SW	Well-graded sand, light brown, no odor, fine to med. grained			
					16							
					17							
					18							
					19							
	Dry	0.0	No		20	4	30%	SP	Poorly-graded sand, brown, fine to coarse grained, no odor			
					21							
					22							
					23							
					24							
	Dry	0.0	No		25	5	80%	SP	Saa			
					26							
					27							
					28							
					29							
	Dry	0.0	No		30	6	40%	CL	Lean clay, trace sand ~10%, light brown, med. cohesion, low plasticity, no odor			
					31							
					32							
					33							
					34							
	Dry	0.1	No		35	7	60%	SP	Poorly-graded sand, light brown, no odor			
					36							
					37							

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										Boring/Well # <u>BH03/MW09</u> Project: <u>Pritchard #2A</u> Project # <u>090319020</u> Date <u>10/17/2019</u>	
Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion	
					37						
					38						
					39						
					40		65%	SP	Saa		
	Dry	0.0	No		41	8					
					42						
					43						
					44						
					45		75%	SP	saa		
	Dry	0.0	No		46	9					
					47						
					48						
					49						
					50		70%	SP	Saa		
	Dry	0.0	No		51	10					
					52						
					53						
					54						
					55		10%	SW-X	Well-graded sand with clay, brown, very low cohesion & plasticity, no odor		
	Dry	0.0	No		56	11					
					57						
					58						
					59						

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										Boring/Well # BH03/mw09 Project: Pritchard #2A Project # 090319020 Date 10/17/2019	
Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion	
					59						
	Dry	0.2	No		60	12	60%	SC	Clayey Sand, brown, low cohesion & plasticity, no odor		
					61						
					62						
					63						
					64						
	Slight Moist	0.0	No		65	13	80%	CL	Sandy lean clay, brown, high cohesion, med. plasticity, no odor	X	
					66					X	
					67					X	
					68					X	
					69					X	
	Moist	0.0	No	MWD @ 69-71"	70	14	85%	SP-CL	Poorly-graded sand with clay and lean clay layers, brown, clay has med cohesion & plasticity, no odor	X	
					71					X	
					72					X	
					73					X	
					74					X	
	Wet	1100	Dark gray & black	MWD @ 74-76"	75	15	85%	SW	Well-graded sand, trace clay <15%, dark gray & black, strong hydrocarbon odor	X	
					76				-GW observed at 75'	X	
					77					X	
					78				next sample at 85'	X	
					79					X	
					80					X	
					81					X	

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Advancing Opportunity

Boring/Well #

BH03/mw09

Project:

Pritchard #2A

Project #

090319020

Date

10/17/19

Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion
					81					
					82					
					83					
					84					
	(Free Water) Wet	0.1	NO		85		50%	CLSP	Lean clay interlayered with poorly-graded sand, brown, clay has med. cohesion, high plasticity, slight HC odor	
					86	16				
					87					
					88					
					89					
					90					
					91					
					92					
					93					
					94					
					95					
					96					
					97					
					98					
					99					
					100					
					101					
					102					
					103					

TD = 85'
 Well set at 85'
 Screen: 70' Sandpack: 67'
 hydrated bentonite chips:
 Grout-cement slurry to surface
 riser:

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APPENDIX B

Agency Correspondence

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

Sent: Monday, March 16, 2026 10:44 AM

To: Kate Kaufman <kkaufman@hilcorp.com>

Subject: Re: [EXTERNAL] The Oil Conservation Division (OCD) has approved the application, Application ID: 563009

CAUTION: External sender. DO NOT open links or attachments from UNKNOWN senders.

Good morning Kate,

Thanks for the correspondence.

The two (2) conditions toward a depth to water (**dtw**) estimation are as follows;

1. Has to be preferably within 0.5 miles from the point of release
2. Has to be gauged within the past 25 years

Cathodic 30-045-12139 - met the horizontal lateral distance, but not the gauging within 25 yrs.

SJ-04261 POD9 MW-09 - met the gauging within 25 yrs. but not horizontal lateral distance

Seeing that the site is located near the top of Pump Mesa, I will accept the use of Cathodic 30-045-12139 and SJ-04261 POD9 MW-09 data, making dtw estimation >100 feet below grade.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

Regards,

Nelson Velez • Senior Environmental Scientist
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
<http://www.emnrd.nm.gov/oed>



From: Kate Kaufman <kkaufman@hilcorp.com>
Sent: Monday, March 16, 2026 8:58 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: FW: [EXTERNAL] The Oil Conservation Division (OCD) has approved the application, Application ID: 563009

Good morning Nelson,

I submitted the release notification this morning for historic impacts that were discovered at the Howell C #3B wellsite. We have collected samples for site delineation and will be working with operations on an excavation remediation.

Ensolum did an initial site characterization assessment we were hoping to get your feedback on in order to determine the cleanup criteria. Please see attached. Are you able to review and provide feedback on the attached site characterization?

Please let me know if you have any questions. Your feedback is greatly appreciated.

Regards – and happy Monday,
Kate

From: OCDOnline@emnrd.nm.gov <OCDOnline@emnrd.nm.gov>
Sent: Monday, March 16, 2026 9:23 AM
To: Kate Kaufman <kkaufman@hilcorp.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has approved the application, Application ID: 563009

CAUTION: External sender. DO NOT open links or attachments from UNKNOWN senders.

To whom it may concern (c/o Kate Kaufman for HILCORP ENERGY COMPANY),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2607525072, with the following conditions:

- **None**

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,
Nelson Velez
Environmental Specialist - Advanced
505-469-6146
Nelson.Velez@emnrd.nm.gov

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

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From: OCDOnline@emnrd.nm.gov
To: [Stuart Hyde](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 567213
Date: Thursday, March 26, 2026 12:59:16 PM

[**EXTERNAL EMAIL**]

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

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2607525072.

The sampling event is expected to take place:

When: 03/31/2026 @ 13:00

Where: H-07-30N-08W 1560 FNL 1105 FEL (36.82817,-107.71102)

Additional Information: Stuart Hyde, 970-903-1607

Additional Instructions: Howell C 3B well pad, coordinates 36.8283806,-107.7117462

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

Laboratory Analytical Reports



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/13/2026 11:33:25 AM

JOB DESCRIPTION

Howell C3B

JOB NUMBER

885-43003-1

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



Generated
2/13/2026 11:33:25 AM

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

Client: Hilcorp Energy
Project/Site: Howell C3B

Laboratory Job ID: 885-43003-1

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Definitions/Glossary

Client: Hilcorp Energy
Project/Site: Howell C3B

Job ID: 885-43003-1

Qualifiers

GC VOA

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

Glossary

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

Case Narrative

Client: Hilcorp Energy
Project: Howell C3B

Job ID: 885-43003-1

Job ID: 885-43003-1

Eurofins Albuquerque

Job Narrative 885-43003-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 2/10/2026 7:20 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 5.9°C.

Gasoline Range Organics

Method 8015M/D: Surrogate recovery for the following sample was outside control limits: S-1 4' (885-43003-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC VOA

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

Diesel Range Organics

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

HPLC/IC

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

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
Project/Site: Howell C3B

Job ID: 885-43003-1

Client Sample ID: S-1 3'

Lab Sample ID: 885-43003-1

Date Collected: 02/09/26 11:45

Matrix: Solid

Date Received: 02/10/26 07:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	130		4.8	mg/Kg		02/11/26 12:33	02/12/26 17:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144		15 - 150			02/11/26 12:33	02/12/26 17:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.51		0.024	mg/Kg		02/11/26 12:33	02/12/26 17:46	1
Ethylbenzene	0.10		0.048	mg/Kg		02/11/26 12:33	02/12/26 17:46	1
Toluene	0.94		0.048	mg/Kg		02/11/26 12:33	02/12/26 17:46	1
Xylenes, Total	2.4		0.095	mg/Kg		02/11/26 12:33	02/12/26 17:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			02/11/26 12:33	02/12/26 17:46	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]	84		9.8	mg/Kg		02/12/26 13:00	02/12/26 14:24	1
Motor Oil Range Organics [C28-C40]	240		49	mg/Kg		02/12/26 13:00	02/12/26 14:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	102		62 - 134			02/12/26 13:00	02/12/26 14:24	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		15	mg/Kg		02/11/26 17:25	02/11/26 19:31	10

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
Project/Site: Howell C3B

Job ID: 885-43003-1

Client Sample ID: S-1 4'

Lab Sample ID: 885-43003-2

Date Collected: 02/09/26 11:55

Matrix: Solid

Date Received: 02/10/26 07:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	820		50	mg/Kg		02/11/26 12:33	02/12/26 16:33	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	181	S1+	15 - 150			02/11/26 12:33	02/12/26 16:33	10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.73		0.25	mg/Kg		02/11/26 12:33	02/12/26 16:33	10
Ethylbenzene	1.8		0.50	mg/Kg		02/11/26 12:33	02/12/26 16:33	10
Toluene	7.6		0.50	mg/Kg		02/11/26 12:33	02/12/26 16:33	10
Xylenes, Total	23		0.99	mg/Kg		02/11/26 12:33	02/12/26 16:33	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		15 - 150			02/11/26 12:33	02/12/26 16:33	10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	200		9.3	mg/Kg		02/12/26 13:00	02/12/26 14:36	1
Motor Oil Range Organics [C28-C40]	370		46	mg/Kg		02/12/26 13:00	02/12/26 14:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87		62 - 134			02/12/26 13:00	02/12/26 14:36	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		15	mg/Kg		02/11/26 17:25	02/11/26 19:45	10

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
Project/Site: Howell C3B

Job ID: 885-43003-1

Client Sample ID: S-2 4'

Lab Sample ID: 885-43003-3

Date Collected: 02/09/26 12:10

Matrix: Solid

Date Received: 02/10/26 07:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		02/11/26 12:33	02/12/26 18:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			02/11/26 12:33	02/12/26 18:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/11/26 12:33	02/12/26 18:59	1
Ethylbenzene	ND		0.050	mg/Kg		02/11/26 12:33	02/12/26 18:59	1
Toluene	ND		0.050	mg/Kg		02/11/26 12:33	02/12/26 18:59	1
Xylenes, Total	ND		0.10	mg/Kg		02/11/26 12:33	02/12/26 18:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		15 - 150			02/11/26 12:33	02/12/26 18:59	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]	17		9.4	mg/Kg		02/12/26 13:00	02/12/26 14:47	1
Motor Oil Range Organics [C28-C40]	81		47	mg/Kg		02/12/26 13:00	02/12/26 14:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	82		62 - 134			02/12/26 13:00	02/12/26 14:47	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		15	mg/Kg		02/11/26 17:25	02/11/26 19:59	10

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
Project/Site: Howell C3B

Job ID: 885-43003-1

Client Sample ID: S-3 4'

Lab Sample ID: 885-43003-4

Date Collected: 02/09/26 12:30

Matrix: Solid

Date Received: 02/10/26 07:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		02/11/26 12:33	02/12/26 19:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		15 - 150	02/11/26 12:33	02/12/26 19:24	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/11/26 12:33	02/12/26 19:24	1
Ethylbenzene	ND		0.047	mg/Kg		02/11/26 12:33	02/12/26 19:24	1
Toluene	ND		0.047	mg/Kg		02/11/26 12:33	02/12/26 19:24	1
Xylenes, Total	ND		0.095	mg/Kg		02/11/26 12:33	02/12/26 19:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		15 - 150	02/11/26 12:33	02/12/26 19:24	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		02/12/26 13:00	02/12/26 14:58	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		02/12/26 13:00	02/12/26 14:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	81		62 - 134	02/12/26 13:00	02/12/26 14:58	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		15	mg/Kg		02/11/26 17:25	02/11/26 20:13	10

Eurofins Albuquerque

QC Sample Results

Client: Hilcorp Energy
Project/Site: Howell C3B

Job ID: 885-43003-1

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

Lab Sample ID: MB 885-42924/1-A

Matrix: Solid

Analysis Batch: 43006

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42924

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		02/11/26 12:33	02/12/26 16:09	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		15 - 150			02/11/26 12:33	02/12/26 16:09	1

Lab Sample ID: LCS 885-42924/2-A

Matrix: Solid

Analysis Batch: 43006

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42924

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	25.0	28.3		mg/Kg		113	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	201		15 - 150				

Lab Sample ID: 885-43003-1 MS

Matrix: Solid

Analysis Batch: 43006

Client Sample ID: S-1 3'

Prep Type: Total/NA

Prep Batch: 42924

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	130		24.7	149	4	mg/Kg		86	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	276		15 - 150						

Lab Sample ID: 885-43003-1 MSD

Matrix: Solid

Analysis Batch: 43006

Client Sample ID: S-1 3'

Prep Type: Total/NA

Prep Batch: 42924

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	130		24.7	124	4	mg/Kg		-13	70 - 130	18	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	258		15 - 150								

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-42924/1-A

Matrix: Solid

Analysis Batch: 43007

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42924

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/11/26 12:33	02/12/26 16:09	1
Ethylbenzene	ND		0.050	mg/Kg		02/11/26 12:33	02/12/26 16:09	1
Toluene	ND		0.050	mg/Kg		02/11/26 12:33	02/12/26 16:09	1

Eurofins Albuquerque

QC Sample Results

Client: Hilcorp Energy
Project/Site: Howell C3B

Job ID: 885-43003-1

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

Lab Sample ID: MB 885-42924/1-A

Matrix: Solid

Analysis Batch: 43007

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42924

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.10	mg/Kg		02/11/26 12:33	02/12/26 16:09	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		15 - 150			02/11/26 12:33	02/12/26 16:09	1

Lab Sample ID: LCS 885-42924/3-A

Matrix: Solid

Analysis Batch: 43007

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42924

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	1.03		mg/Kg		103	70 - 130
Ethylbenzene	1.00	1.01		mg/Kg		101	70 - 130
m&p-Xylene	2.00	2.07		mg/Kg		103	70 - 130
o-Xylene	1.00	1.01		mg/Kg		101	70 - 130
Toluene	1.00	1.04		mg/Kg		104	70 - 130
Xylenes, Total	3.00	3.07		mg/Kg		102	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	86		15 - 150				

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

Lab Sample ID: MB 885-42986/1-A

Matrix: Solid

Analysis Batch: 42967

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42986

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		02/12/26 10:07	02/12/26 14:01	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		02/12/26 10:07	02/12/26 14:01	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	79		62 - 134			02/12/26 10:07	02/12/26 14:01	1

Lab Sample ID: LCS 885-42986/2-A

Matrix: Solid

Analysis Batch: 42967

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42986

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	48.6		mg/Kg		97	51 - 148
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	84		62 - 134				

Eurofins Albuquerque

QC Sample Results

Client: Hilcorp Energy
Project/Site: Howell C3B

Job ID: 885-43003-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-42951/1-A					Client Sample ID: Method Blank				
Matrix: Solid					Prep Type: Total/NA				
Analysis Batch: 42955					Prep Batch: 42951				
Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	ND		1.5	mg/Kg		02/11/26 17:25	02/11/26 19:02	1	

Lab Sample ID: LCS 885-42951/2-A					Client Sample ID: Lab Control Sample				
Matrix: Solid					Prep Type: Total/NA				
Analysis Batch: 42955					Prep Batch: 42951				
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	50.0	49.0		mg/Kg		98	90 - 110		

QC Association Summary

Client: Hilcorp Energy
Project/Site: Howell C3B

Job ID: 885-43003-1

GC VOA

Prep Batch: 42924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43003-1	S-1 3'	Total/NA	Solid	5030C	
885-43003-2	S-1 4'	Total/NA	Solid	5030C	
885-43003-3	S-2 4'	Total/NA	Solid	5030C	
885-43003-4	S-3 4'	Total/NA	Solid	5030C	
MB 885-42924/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-42924/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-42924/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-43003-1 MS	S-1 3'	Total/NA	Solid	5030C	
885-43003-1 MSD	S-1 3'	Total/NA	Solid	5030C	

Analysis Batch: 43006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43003-1	S-1 3'	Total/NA	Solid	8015M/D	42924
885-43003-2	S-1 4'	Total/NA	Solid	8015M/D	42924
885-43003-3	S-2 4'	Total/NA	Solid	8015M/D	42924
885-43003-4	S-3 4'	Total/NA	Solid	8015M/D	42924
MB 885-42924/1-A	Method Blank	Total/NA	Solid	8015M/D	42924
LCS 885-42924/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	42924
885-43003-1 MS	S-1 3'	Total/NA	Solid	8015M/D	42924
885-43003-1 MSD	S-1 3'	Total/NA	Solid	8015M/D	42924

Analysis Batch: 43007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43003-1	S-1 3'	Total/NA	Solid	8021B	42924
885-43003-2	S-1 4'	Total/NA	Solid	8021B	42924
885-43003-3	S-2 4'	Total/NA	Solid	8021B	42924
885-43003-4	S-3 4'	Total/NA	Solid	8021B	42924
MB 885-42924/1-A	Method Blank	Total/NA	Solid	8021B	42924
LCS 885-42924/3-A	Lab Control Sample	Total/NA	Solid	8021B	42924

GC Semi VOA

Analysis Batch: 42967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43003-1	S-1 3'	Total/NA	Solid	8015M/D	42986
885-43003-2	S-1 4'	Total/NA	Solid	8015M/D	42986
885-43003-3	S-2 4'	Total/NA	Solid	8015M/D	42986
885-43003-4	S-3 4'	Total/NA	Solid	8015M/D	42986
MB 885-42986/1-A	Method Blank	Total/NA	Solid	8015M/D	42986
LCS 885-42986/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	42986

Prep Batch: 42986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43003-1	S-1 3'	Total/NA	Solid	SHAKE	
885-43003-2	S-1 4'	Total/NA	Solid	SHAKE	
885-43003-3	S-2 4'	Total/NA	Solid	SHAKE	
885-43003-4	S-3 4'	Total/NA	Solid	SHAKE	
MB 885-42986/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-42986/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

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QC Association Summary

Client: Hilcorp Energy
Project/Site: Howell C3B

Job ID: 885-43003-1

HPLC/IC

Prep Batch: 42951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43003-1	S-1 3'	Total/NA	Solid	300_Prep	
885-43003-2	S-1 4'	Total/NA	Solid	300_Prep	
885-43003-3	S-2 4'	Total/NA	Solid	300_Prep	
885-43003-4	S-3 4'	Total/NA	Solid	300_Prep	
MB 885-42951/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-42951/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 42955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43003-1	S-1 3'	Total/NA	Solid	300.0	42951
885-43003-2	S-1 4'	Total/NA	Solid	300.0	42951
885-43003-3	S-2 4'	Total/NA	Solid	300.0	42951
885-43003-4	S-3 4'	Total/NA	Solid	300.0	42951
MB 885-42951/1-A	Method Blank	Total/NA	Solid	300.0	42951
LCS 885-42951/2-A	Lab Control Sample	Total/NA	Solid	300.0	42951

Lab Chronicle

Client: Hilcorp Energy
Project/Site: Howell C3B

Job ID: 885-43003-1

Client Sample ID: S-1 3'

Lab Sample ID: 885-43003-1

Date Collected: 02/09/26 11:45

Matrix: Solid

Date Received: 02/10/26 07:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			42924	VP	EET ALB	02/11/26 12:33
Total/NA	Analysis	8015M/D		1	43006	VP	EET ALB	02/12/26 17:46
Total/NA	Prep	5030C			42924	VP	EET ALB	02/11/26 12:33
Total/NA	Analysis	8021B		1	43007	VP	EET ALB	02/12/26 17:46
Total/NA	Prep	SHAKE			42986	DR	EET ALB	02/12/26 13:00
Total/NA	Analysis	8015M/D		1	42967	DH	EET ALB	02/12/26 14:24
Total/NA	Prep	300_Prep			42951	JT	EET ALB	02/11/26 17:25
Total/NA	Analysis	300.0		10	42955	KB	EET ALB	02/11/26 19:31

Client Sample ID: S-1 4'

Lab Sample ID: 885-43003-2

Date Collected: 02/09/26 11:55

Matrix: Solid

Date Received: 02/10/26 07:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			42924	VP	EET ALB	02/11/26 12:33
Total/NA	Analysis	8015M/D		10	43006	VP	EET ALB	02/12/26 16:33
Total/NA	Prep	5030C			42924	VP	EET ALB	02/11/26 12:33
Total/NA	Analysis	8021B		10	43007	VP	EET ALB	02/12/26 16:33
Total/NA	Prep	SHAKE			42986	DR	EET ALB	02/12/26 13:00
Total/NA	Analysis	8015M/D		1	42967	DH	EET ALB	02/12/26 14:36
Total/NA	Prep	300_Prep			42951	JT	EET ALB	02/11/26 17:25
Total/NA	Analysis	300.0		10	42955	KB	EET ALB	02/11/26 19:45

Client Sample ID: S-2 4'

Lab Sample ID: 885-43003-3

Date Collected: 02/09/26 12:10

Matrix: Solid

Date Received: 02/10/26 07:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			42924	VP	EET ALB	02/11/26 12:33
Total/NA	Analysis	8015M/D		1	43006	VP	EET ALB	02/12/26 18:59
Total/NA	Prep	5030C			42924	VP	EET ALB	02/11/26 12:33
Total/NA	Analysis	8021B		1	43007	VP	EET ALB	02/12/26 18:59
Total/NA	Prep	SHAKE			42986	DR	EET ALB	02/12/26 13:00
Total/NA	Analysis	8015M/D		1	42967	DH	EET ALB	02/12/26 14:47
Total/NA	Prep	300_Prep			42951	JT	EET ALB	02/11/26 17:25
Total/NA	Analysis	300.0		10	42955	KB	EET ALB	02/11/26 19:59

Client Sample ID: S-3 4'

Lab Sample ID: 885-43003-4

Date Collected: 02/09/26 12:30

Matrix: Solid

Date Received: 02/10/26 07:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			42924	VP	EET ALB	02/11/26 12:33
Total/NA	Analysis	8015M/D		1	43006	VP	EET ALB	02/12/26 19:24

Eurofins Albuquerque

Lab Chronicle

Client: Hilcorp Energy
Project/Site: Howell C3B

Job ID: 885-43003-1

Client Sample ID: S-3 4'
Date Collected: 02/09/26 12:30
Date Received: 02/10/26 07:20

Lab Sample ID: 885-43003-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			42924	VP	EET ALB	02/11/26 12:33
Total/NA	Analysis	8021B		1	43007	VP	EET ALB	02/12/26 19:24
Total/NA	Prep	SHAKE			42986	DR	EET ALB	02/12/26 13:00
Total/NA	Analysis	8015M/D		1	42967	DH	EET ALB	02/12/26 14:58
Total/NA	Prep	300_Prep			42951	JT	EET ALB	02/11/26 17:25
Total/NA	Analysis	300.0		10	42955	KB	EET ALB	02/11/26 20:13

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

Accreditation/Certification Summary

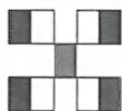
Client: Hilcorp Energy
Project/Site: Howell C3B

Job ID: 885-43003-1

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	02-25-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0	300_Prep	Solid	Chloride
8015M/D	5030C	Solid	Gasoline Range Organics [C6 - C10]
8015M/D	SHAKE	Solid	Diesel Range Organics [C10-C28]
8015M/D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]
8021B	5030C	Solid	Benzene
8021B	5030C	Solid	Ethylbenzene
8021B	5030C	Solid	Toluene
8021B	5030C	Solid	Xylenes, Total
Oregon	NELAP	NM100001	02-25-26



HALL ENVIRONMENTAL ANALYSIS LABOR

www.hallenvironmental.com

885-43003 COC

4901 Hawkins NE - Albuquerque, NM 87105

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

[illegible]

Login Sample Receipt Checklist

Client: Hilcorp Energy

Job Number: 885-43003-1

Login Number: 43003

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

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



Environment Testing

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- 11

ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/3/2026 11:38:04 AM

JOB DESCRIPTION

Howell C #3B

JOB NUMBER

885-43772-1

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
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(505)345-3975

Client: Hilcorp Energy
Project/Site: Howell C #3B

Laboratory Job ID: 885-43772-1

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Definitions/Glossary

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
S1-	Surrogate recovery exceeds control limits, low 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: Howell C #3B

Job ID: 885-43772-1

Job ID: 885-43772-1

Eurofins Albuquerque

Job Narrative 885-43772-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 2/20/2026 7:45 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 0.6°C.

Gasoline Range Organics

Method 8015M/D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 885-43743 and analytical batch 885-44093 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) was within acceptance limits.

Method 8015M/D: Surrogate recovery for the following samples were outside control limits: PH04@5' (885-43772-11) and SW01 (885-43772-16). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015M/D: Surrogate recovery for the following samples were outside control limits: PH01@7' (885-43772-3), PH02@2' (885-43772-4), PH02@4' (885-43772-5) and PH04@4' (885-43772-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC VOA

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

Diesel Range Organics

Method 8015M/D: The following sample required a dilution due to the nature of the sample matrix: DS01 (885-43772-15). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

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.

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Client Sample Results

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

Client Sample ID: PH01@4'

Lab Sample ID: 885-43772-1

Date Collected: 02/19/26 09:49

Matrix: Solid

Date Received: 02/20/26 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	1500		240	mg/Kg		02/24/26 08:54	02/28/26 11:42	50
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	143		15 - 150			02/24/26 08:54	02/28/26 11:42	50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.2	mg/Kg		02/24/26 08:54	02/28/26 11:42	50
Ethylbenzene	3.3		2.4	mg/Kg		02/24/26 08:54	02/28/26 11:42	50
Toluene	8.4		2.4	mg/Kg		02/24/26 08:54	02/28/26 11:42	50
Xylenes, Total	100		4.7	mg/Kg		02/24/26 08:54	02/28/26 11:42	50
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		15 - 150			02/24/26 08:54	02/28/26 11:42	50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	300		9.9	mg/Kg		02/24/26 09:38	02/25/26 06:00	1
Motor Oil Range Organics [C28-C40]	280		50	mg/Kg		02/24/26 09:38	02/25/26 06:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	81		62 - 134			02/24/26 09:38	02/25/26 06:00	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49	mg/Kg		02/24/26 15:37	02/25/26 07:15	10

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

Client Sample ID: PH01@5'

Lab Sample ID: 885-43772-2

Date Collected: 02/19/26 10:01

Matrix: Solid

Date Received: 02/20/26 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	440		230	mg/Kg		02/24/26 08:54	02/28/26 12:06	50
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	148		15 - 150			02/24/26 08:54	02/28/26 12:06	50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.2	mg/Kg		02/24/26 08:54	02/28/26 12:06	50
Ethylbenzene	ND		2.3	mg/Kg		02/24/26 08:54	02/28/26 12:06	50
Toluene	ND		2.3	mg/Kg		02/24/26 08:54	02/28/26 12:06	50
Xylenes, Total	37		4.7	mg/Kg		02/24/26 08:54	02/28/26 12:06	50
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 150			02/24/26 08:54	02/28/26 12:06	50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	180		9.2	mg/Kg		02/24/26 09:38	02/25/26 06:12	1
Motor Oil Range Organics [C28-C40]	170		46	mg/Kg		02/24/26 09:38	02/25/26 06:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	79		62 - 134			02/24/26 09:38	02/25/26 06:12	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		02/24/26 15:37	02/25/26 07:46	10

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

Client Sample ID: PH01@7'

Lab Sample ID: 885-43772-3

Date Collected: 02/19/26 12:29

Matrix: Solid

Date Received: 02/20/26 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	210		24	mg/Kg		02/24/26 08:54	03/02/26 14:14	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	188	S1+	15 - 150			02/24/26 08:54	03/02/26 14:14	5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.12	mg/Kg		02/24/26 08:54	03/02/26 14:14	5
Ethylbenzene	0.45		0.24	mg/Kg		02/24/26 08:54	03/02/26 14:14	5
Toluene	ND		0.24	mg/Kg		02/24/26 08:54	03/02/26 14:14	5
Xylenes, Total	11		0.48	mg/Kg		02/24/26 08:54	03/02/26 14:14	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		15 - 150			02/24/26 08:54	03/02/26 14:14	5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	84		9.1	mg/Kg		02/24/26 09:38	02/25/26 06:35	1
Motor Oil Range Organics [C28-C40]	130		45	mg/Kg		02/24/26 09:38	02/25/26 06:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	79		62 - 134			02/24/26 09:38	02/25/26 06:35	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		02/24/26 15:37	02/25/26 08:38	10

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

Client Sample ID: PH02@2'

Lab Sample ID: 885-43772-4

Date Collected: 02/19/26 10:22

Matrix: Solid

Date Received: 02/20/26 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	280		25	mg/Kg		02/24/26 08:54	03/02/26 14:38	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	210	S1+	15 - 150			02/24/26 08:54	03/02/26 14:38	5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.12	mg/Kg		02/24/26 08:54	03/02/26 14:38	5
Ethylbenzene	0.97		0.25	mg/Kg		02/24/26 08:54	03/02/26 14:38	5
Toluene	0.37		0.25	mg/Kg		02/24/26 08:54	03/02/26 14:38	5
Xylenes, Total	17		0.50	mg/Kg		02/24/26 08:54	03/02/26 14:38	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		15 - 150			02/24/26 08:54	03/02/26 14:38	5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	55		9.0	mg/Kg		02/24/26 09:38	02/25/26 06:47	1
Motor Oil Range Organics [C28-C40]	140		45	mg/Kg		02/24/26 09:38	02/25/26 06:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	80		62 - 134			02/24/26 09:38	02/25/26 06:47	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		02/24/26 15:37	02/25/26 08:48	10

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

Client Sample ID: PH02@4'

Lab Sample ID: 885-43772-5

Date Collected: 02/19/26 10:56

Matrix: Solid

Date Received: 02/20/26 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	110		5.0	mg/Kg		02/24/26 08:54	03/02/26 15:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	311	S1+	15 - 150			02/24/26 08:54	03/02/26 15:49	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/24/26 08:54	03/02/26 15:49	1
Ethylbenzene	0.28		0.050	mg/Kg		02/24/26 08:54	03/02/26 15:49	1
Toluene	ND		0.050	mg/Kg		02/24/26 08:54	03/02/26 15:49	1
Xylenes, Total	5.2		0.099	mg/Kg		02/24/26 08:54	03/02/26 15:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		15 - 150			02/24/26 08:54	03/02/26 15:49	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	65		8.9	mg/Kg		02/24/26 09:38	02/25/26 06:59	1
Motor Oil Range Organics [C28-C40]	140		45	mg/Kg		02/24/26 09:38	02/25/26 06:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	78		62 - 134			02/24/26 09:38	02/25/26 06:59	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		02/24/26 15:37	02/25/26 08:58	10

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

Client Sample ID: PH02@6'

Lab Sample ID: 885-43772-6

Date Collected: 02/19/26 12:13

Matrix: Solid

Date Received: 02/20/26 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	300		250	mg/Kg		02/24/26 08:54	02/28/26 13:42	50
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136		15 - 150			02/24/26 08:54	02/28/26 13:42	50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.2	mg/Kg		02/24/26 08:54	02/28/26 13:42	50
Ethylbenzene	ND		2.5	mg/Kg		02/24/26 08:54	02/28/26 13:42	50
Toluene	ND		2.5	mg/Kg		02/24/26 08:54	02/28/26 13:42	50
Xylenes, Total	25		4.9	mg/Kg		02/24/26 08:54	02/28/26 13:42	50
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			02/24/26 08:54	02/28/26 13:42	50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	110		9.4	mg/Kg		02/24/26 09:38	02/25/26 07:11	1
Motor Oil Range Organics [C28-C40]	150		47	mg/Kg		02/24/26 09:38	02/25/26 07:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	83		62 - 134			02/24/26 09:38	02/25/26 07:11	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		02/24/26 15:37	02/25/26 09:09	10

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

Client Sample ID: PH03@3'

Lab Sample ID: 885-43772-7

Date Collected: 02/19/26 12:39

Matrix: Solid

Date Received: 02/20/26 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	16	F2 F1	5.0	mg/Kg		02/24/26 09:28	03/01/26 13:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		15 - 150			02/24/26 09:28	03/01/26 13:15	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/24/26 09:28	03/01/26 13:15	1
Ethylbenzene	ND		0.050	mg/Kg		02/24/26 09:28	03/01/26 13:15	1
Toluene	ND		0.050	mg/Kg		02/24/26 09:28	03/01/26 13:15	1
Xylenes, Total	0.12		0.099	mg/Kg		02/24/26 09:28	03/01/26 13:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			02/24/26 09:28	03/01/26 13:15	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	40		9.2	mg/Kg		02/24/26 11:47	02/25/26 05:46	1
Motor Oil Range Organics [C28-C40]	110		46	mg/Kg		02/24/26 11:47	02/25/26 05:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			02/24/26 11:47	02/25/26 05:46	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		02/24/26 15:37	02/25/26 09:19	10

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

Client Sample ID: PH03@5'

Lab Sample ID: 885-43772-8

Date Collected: 02/19/26 12:55

Matrix: Solid

Date Received: 02/20/26 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	6.8		5.0	mg/Kg		02/24/26 09:28	03/01/26 14:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		15 - 150			02/24/26 09:28	03/01/26 14:27	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/24/26 09:28	03/01/26 14:27	1
Ethylbenzene	ND		0.050	mg/Kg		02/24/26 09:28	03/01/26 14:27	1
Toluene	ND		0.050	mg/Kg		02/24/26 09:28	03/01/26 14:27	1
Xylenes, Total	ND		0.10	mg/Kg		02/24/26 09:28	03/01/26 14:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		15 - 150			02/24/26 09:28	03/01/26 14:27	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	33		9.9	mg/Kg		02/24/26 11:47	02/25/26 06:56	1
Motor Oil Range Organics [C28-C40]	130		49	mg/Kg		02/24/26 11:47	02/25/26 06:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			02/24/26 11:47	02/25/26 06:56	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		02/24/26 15:37	02/25/26 09:29	10

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

Client Sample ID: PH04@2'

Lab Sample ID: 885-43772-9

Date Collected: 02/19/26 13:11

Matrix: Solid

Date Received: 02/20/26 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	440		240	mg/Kg		02/24/26 09:28	03/02/26 13:50	50
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		15 - 150			02/24/26 09:28	03/02/26 13:50	50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.030		0.024	mg/Kg		02/24/26 09:28	03/01/26 15:39	1
Ethylbenzene	0.66		0.048	mg/Kg		02/24/26 09:28	03/01/26 15:39	1
Toluene	ND		0.048	mg/Kg		02/24/26 09:28	03/01/26 15:39	1
Xylenes, Total	27		4.8	mg/Kg		02/24/26 09:28	03/02/26 13:50	50
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		15 - 150			02/24/26 09:28	03/01/26 15:39	1
4-Bromofluorobenzene (Surr)	95		15 - 150			02/24/26 09:28	03/02/26 13:50	50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	160		8.7	mg/Kg		02/24/26 11:47	02/25/26 07:19	1
Motor Oil Range Organics [C28-C40]	110		44	mg/Kg		02/24/26 11:47	02/25/26 07:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			02/24/26 11:47	02/25/26 07:19	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		02/24/26 15:37	02/25/26 09:40	10

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

Client Sample ID: PH04@4'

Lab Sample ID: 885-43772-10

Date Collected: 02/19/26 13:24

Matrix: Solid

Date Received: 02/20/26 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	77		5.0	mg/Kg		02/24/26 09:28	03/02/26 15:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	209	S1+	15 - 150			02/24/26 09:28	03/02/26 15:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/24/26 09:28	03/01/26 16:02	1
Ethylbenzene	0.23		0.050	mg/Kg		02/24/26 09:28	03/01/26 16:02	1
Toluene	ND		0.050	mg/Kg		02/24/26 09:28	03/01/26 16:02	1
Xylenes, Total	3.8		0.10	mg/Kg		02/24/26 09:28	03/02/26 15:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		15 - 150			02/24/26 09:28	03/01/26 16:02	1
4-Bromofluorobenzene (Surr)	116		15 - 150			02/24/26 09:28	03/02/26 15:25	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]	53		9.1	mg/Kg		02/24/26 11:47	02/27/26 11:24	1
Motor Oil Range Organics [C28-C40]	78		45	mg/Kg		02/24/26 11:47	02/27/26 11:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			02/24/26 11:47	02/27/26 11:24	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49	mg/Kg		02/24/26 15:37	02/25/26 09:50	10

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

Client Sample ID: PH04@5'

Lab Sample ID: 885-43772-11

Date Collected: 02/19/26 13:49

Matrix: Solid

Date Received: 02/20/26 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	110		4.7	mg/Kg		02/24/26 09:28	03/01/26 16:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	397	S1+	15 - 150			02/24/26 09:28	03/01/26 16:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		02/24/26 09:28	03/01/26 16:26	1
Ethylbenzene	0.30		0.047	mg/Kg		02/24/26 09:28	03/01/26 16:26	1
Toluene	ND		0.047	mg/Kg		02/24/26 09:28	03/01/26 16:26	1
Xylenes, Total	5.6		0.093	mg/Kg		02/24/26 09:28	03/01/26 16:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140		15 - 150			02/24/26 09:28	03/01/26 16:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	46		9.2	mg/Kg		02/24/26 11:47	02/27/26 11:47	1
Motor Oil Range Organics [C28-C40]	110		46	mg/Kg		02/24/26 11:47	02/27/26 11:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	88		62 - 134			02/24/26 11:47	02/27/26 11:47	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		02/24/26 15:37	02/25/26 10:00	10

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

Client Sample ID: PH05@0-0.5'

Lab Sample ID: 885-43772-12

Date Collected: 02/19/26 14:07

Matrix: Solid

Date Received: 02/20/26 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		02/24/26 09:28	03/01/26 16:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		15 - 150			02/24/26 09:28	03/01/26 16:50	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/24/26 09:28	03/01/26 16:50	1
Ethylbenzene	ND		0.048	mg/Kg		02/24/26 09:28	03/01/26 16:50	1
Toluene	ND		0.048	mg/Kg		02/24/26 09:28	03/01/26 16:50	1
Xylenes, Total	ND		0.095	mg/Kg		02/24/26 09:28	03/01/26 16:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		15 - 150			02/24/26 09:28	03/01/26 16:50	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		02/24/26 11:47	02/25/26 08:29	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		02/24/26 11:47	02/25/26 08:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	97		62 - 134			02/24/26 11:47	02/25/26 08:29	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		02/24/26 15:37	02/25/26 10:11	10

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

Client Sample ID: PH05@2'

Lab Sample ID: 885-43772-13

Date Collected: 02/19/26 14:09

Matrix: Solid

Date Received: 02/20/26 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		02/24/26 09:28	03/01/26 17:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		15 - 150			02/24/26 09:28	03/01/26 17:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		02/24/26 09:28	03/01/26 17:14	1
Ethylbenzene	ND		0.047	mg/Kg		02/24/26 09:28	03/01/26 17:14	1
Toluene	ND		0.047	mg/Kg		02/24/26 09:28	03/01/26 17:14	1
Xylenes, Total	ND		0.094	mg/Kg		02/24/26 09:28	03/01/26 17:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		15 - 150			02/24/26 09:28	03/01/26 17:14	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		02/24/26 11:47	02/25/26 12:47	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		02/24/26 11:47	02/25/26 12:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		62 - 134			02/24/26 11:47	02/25/26 12:47	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		02/24/26 15:37	02/25/26 10:42	10

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

Client Sample ID: PH05@4'

Lab Sample ID: 885-43772-14

Date Collected: 02/19/26 14:31

Matrix: Solid

Date Received: 02/20/26 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		02/24/26 09:28	03/01/26 17:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		15 - 150			02/24/26 09:28	03/01/26 17:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		02/24/26 09:28	03/01/26 17:38	1
Ethylbenzene	ND		0.048	mg/Kg		02/24/26 09:28	03/01/26 17:38	1
Toluene	ND		0.048	mg/Kg		02/24/26 09:28	03/01/26 17:38	1
Xylenes, Total	ND		0.095	mg/Kg		02/24/26 09:28	03/01/26 17:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		15 - 150			02/24/26 09:28	03/01/26 17:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		02/24/26 11:47	02/25/26 13:10	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		02/24/26 11:47	02/25/26 13:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		62 - 134			02/24/26 11:47	02/25/26 13:10	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51	mg/Kg		02/24/26 15:37	02/25/26 10:52	10

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

Client Sample ID: DS01

Lab Sample ID: 885-43772-15

Date Collected: 02/19/26 10:06

Matrix: Solid

Date Received: 02/20/26 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	7000		470	mg/Kg		02/24/26 09:28	03/01/26 12:27	100
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	143		15 - 150			02/24/26 09:28	03/01/26 12:27	100

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	6.0		2.3	mg/Kg		02/24/26 09:28	03/01/26 12:27	100
Ethylbenzene	26		4.7	mg/Kg		02/24/26 09:28	03/01/26 12:27	100
Toluene	160		4.7	mg/Kg		02/24/26 09:28	03/01/26 12:27	100
Xylenes, Total	310		9.4	mg/Kg		02/24/26 09:28	03/01/26 12:27	100
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		15 - 150			02/24/26 09:28	03/01/26 12:27	100

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1700		100	mg/Kg		02/24/26 11:47	02/26/26 12:05	10
Motor Oil Range Organics [C28-C40]	930		500	mg/Kg		02/24/26 11:47	02/26/26 12:05	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	0	D S1-	62 - 134			02/24/26 11:47	02/26/26 12:05	10

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49	mg/Kg		02/24/26 15:37	02/25/26 11:03	10

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

Client Sample ID: SW01

Lab Sample ID: 885-43772-16

Date Collected: 02/19/26 10:41

Matrix: Solid

Date Received: 02/20/26 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	190		4.8	mg/Kg		02/24/26 09:28	03/01/26 18:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	344	S1+	15 - 150			02/24/26 09:28	03/01/26 18:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.025		0.024	mg/Kg		02/24/26 09:28	03/01/26 18:02	1
Ethylbenzene	0.35		0.048	mg/Kg		02/24/26 09:28	03/01/26 18:02	1
Toluene	ND		0.048	mg/Kg		02/24/26 09:28	03/01/26 18:02	1
Xylenes, Total	6.6		0.095	mg/Kg		02/24/26 09:28	03/01/26 18:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138		15 - 150			02/24/26 09:28	03/01/26 18:02	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]	74		9.1	mg/Kg		02/24/26 11:47	02/26/26 12:47	1
Motor Oil Range Organics [C28-C40]	140		45	mg/Kg		02/24/26 11:47	02/26/26 12:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	99		62 - 134			02/24/26 11:47	02/26/26 12:47	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		02/24/26 15:37	02/25/26 11:13	10

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

Client Sample ID: SW02

Lab Sample ID: 885-43772-17

Date Collected: 02/19/26 14:01

Matrix: Solid

Date Received: 02/20/26 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		02/24/26 09:28	03/01/26 18:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		15 - 150			02/24/26 09:28	03/01/26 18:49	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/24/26 09:28	03/01/26 18:49	1
Ethylbenzene	ND		0.049	mg/Kg		02/24/26 09:28	03/01/26 18:49	1
Toluene	ND		0.049	mg/Kg		02/24/26 09:28	03/01/26 18:49	1
Xylenes, Total	ND		0.098	mg/Kg		02/24/26 09:28	03/01/26 18:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		15 - 150			02/24/26 09:28	03/01/26 18:49	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	68		9.8	mg/Kg		02/24/26 11:47	02/26/26 12:57	1
Motor Oil Range Organics [C28-C40]	200		49	mg/Kg		02/24/26 11:47	02/26/26 12:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	105		62 - 134			02/24/26 11:47	02/26/26 12:57	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		02/24/26 15:37	02/25/26 11:23	10

Eurofins Albuquerque

QC Sample Results

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

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

Lab Sample ID: MB 885-43742/1-A

Matrix: Solid

Analysis Batch: 44077

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43742

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		02/24/26 08:53	02/28/26 11:19	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		15 - 150			02/24/26 08:53	02/28/26 11:19	1

Lab Sample ID: LCS 885-43742/2-A

Matrix: Solid

Analysis Batch: 44077

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43742

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	25.0	22.4		mg/Kg		90	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	202		15 - 150				

Lab Sample ID: MB 885-43743/1-A

Matrix: Solid

Analysis Batch: 44093

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43743

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		02/24/26 09:28	03/01/26 12:03	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			02/24/26 09:28	03/01/26 12:03	1

Lab Sample ID: LCS 885-43743/2-A

Matrix: Solid

Analysis Batch: 44093

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43743

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	25.0	24.5		mg/Kg		98	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	211		15 - 150				

Lab Sample ID: 885-43772-7 MS

Matrix: Solid

Analysis Batch: 44093

Client Sample ID: PH03@3'

Prep Type: Total/NA

Prep Batch: 43743

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	16	F2 F1	24.9	31.0	F1	mg/Kg		62	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	238		15 - 150						

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QC Sample Results

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

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

Lab Sample ID: 885-43772-7 MSD

Matrix: Solid

Analysis Batch: 44093

Client Sample ID: PH03@3'

Prep Type: Total/NA

Prep Batch: 43743

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	16	F2 F1	25.0	44.6	F2	mg/Kg		116	70 - 130	36	20
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	223		15 - 150								

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-43742/1-A

Matrix: Solid

Analysis Batch: 44078

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43742

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		02/24/26 08:53	02/28/26 11:19	1
Ethylbenzene	ND		0.050	mg/Kg		02/24/26 08:53	02/28/26 11:19	1
Toluene	ND		0.050	mg/Kg		02/24/26 08:53	02/28/26 11:19	1
Xylenes, Total	ND		0.10	mg/Kg		02/24/26 08:53	02/28/26 11:19	1
	MB	MB						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		15 - 150			02/24/26 08:53	02/28/26 11:19	1

Lab Sample ID: LCS 885-43742/3-A

Matrix: Solid

Analysis Batch: 44078

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43742

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene			1.00	0.979		mg/Kg		98	70 - 130		
Ethylbenzene			1.00	0.965		mg/Kg		96	70 - 130		
m&p-Xylene			2.00	1.98		mg/Kg		99	70 - 130		
o-Xylene			1.00	0.975		mg/Kg		97	70 - 130		
Toluene			1.00	0.990		mg/Kg		99	70 - 130		
Xylenes, Total			3.00	2.95		mg/Kg		98	70 - 130		
			LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	92		15 - 150								

Lab Sample ID: MB 885-43743/1-A

Matrix: Solid

Analysis Batch: 44094

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43743

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	ND		0.025	mg/Kg		02/24/26 09:28	03/01/26 12:03	1
Ethylbenzene	ND		0.050	mg/Kg		02/24/26 09:28	03/01/26 12:03	1
Toluene	ND		0.050	mg/Kg		02/24/26 09:28	03/01/26 12:03	1
Xylenes, Total	ND		0.10	mg/Kg		02/24/26 09:28	03/01/26 12:03	1
Surrogate	MB	MB	Limits			Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
4-Bromofluorobenzene (Surr)	85		15 - 150			02/24/26 09:28	03/01/26 12:03	1

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QC Sample Results

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: LCS 885-43743/3-A

Matrix: Solid

Analysis Batch: 44094

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43743

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.843		mg/Kg		84	70 - 130
Ethylbenzene	1.00	0.845		mg/Kg		85	70 - 130
m&p-Xylene	2.00	1.76		mg/Kg		88	70 - 130
o-Xylene	1.00	0.843		mg/Kg		84	70 - 130
Toluene	1.00	0.874		mg/Kg		87	70 - 130
Xylenes, Total	3.00	2.60		mg/Kg		87	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		15 - 150

Lab Sample ID: 885-43772-8 MS

Matrix: Solid

Analysis Batch: 44094

Client Sample ID: PH03@5'

Prep Type: Total/NA

Prep Batch: 43743

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		0.997	0.912		mg/Kg		91	70 - 130
Ethylbenzene	ND		0.997	0.921		mg/Kg		91	70 - 130
m&p-Xylene	ND		1.99	1.87		mg/Kg		94	70 - 130
o-Xylene	ND		0.997	0.903		mg/Kg		91	70 - 130
Toluene	ND		0.997	0.938		mg/Kg		94	70 - 130
Xylenes, Total	ND		2.99	2.77		mg/Kg		92	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		15 - 150

Lab Sample ID: 885-43772-8 MSD

Matrix: Solid

Analysis Batch: 44094

Client Sample ID: PH03@5'

Prep Type: Total/NA

Prep Batch: 43743

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
										RPD	Limit
Benzene	ND		0.995	0.906		mg/Kg		91	70 - 130	1	20
Ethylbenzene	ND		0.995	0.903		mg/Kg		89	70 - 130	2	20
m&p-Xylene	ND		1.99	1.86		mg/Kg		94	70 - 130	1	20
o-Xylene	ND		0.995	0.905		mg/Kg		91	70 - 130	0	20
Toluene	ND		0.995	0.924		mg/Kg		93	70 - 130	2	20
Xylenes, Total	ND		2.99	2.77		mg/Kg		92	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		15 - 150

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

Lab Sample ID: MB 885-43747/1-A

Matrix: Solid

Analysis Batch: 43663

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43747

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		02/24/26 09:38	02/25/26 02:15	1

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QC Sample Results

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

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

Lab Sample ID: MB 885-43747/1-A

Matrix: Solid

Analysis Batch: 43663

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43747

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		02/24/26 09:38	02/25/26 02:15	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	75		62 - 134			02/24/26 09:38	02/25/26 02:15	1

Lab Sample ID: LCS 885-43747/2-A

Matrix: Solid

Analysis Batch: 43663

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43747

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	47.1		mg/Kg		94	51 - 148
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	84		62 - 134				

Lab Sample ID: MB 885-43756/1-A

Matrix: Solid

Analysis Batch: 43684

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43756

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		02/24/26 11:47	02/25/26 04:59	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		02/24/26 11:47	02/25/26 04:59	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		62 - 134			02/24/26 11:47	02/25/26 04:59	1

Lab Sample ID: LCS 885-43756/2-A

Matrix: Solid

Analysis Batch: 43684

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43756

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	46.0		mg/Kg		92	51 - 148
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	89		62 - 134				

Lab Sample ID: 885-43772-7 MS

Matrix: Solid

Analysis Batch: 43684

Client Sample ID: PH03@3'

Prep Type: Total/NA

Prep Batch: 43756

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	40		49.4	75.4		mg/Kg		72	44 - 136
Surrogate	MS %Recovery	MS Qualifier	Limits						
Di-n-octyl phthalate (Surr)	99		62 - 134						

Eurofins Albuquerque

QC Sample Results

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

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

Lab Sample ID: 885-43772-7 MSD

Matrix: Solid

Analysis Batch: 43684

Client Sample ID: PH03@3'

Prep Type: Total/NA

Prep Batch: 43756

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	40		50.0	82.5		mg/Kg		86	44 - 136	9	32
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
Di-n-octyl phthalate (Surr)	106		62 - 134								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-43792/1-A

Matrix: Solid

Analysis Batch: 43802

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43792

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.0	mg/Kg		02/24/26 15:37	02/25/26 06:34	1

Lab Sample ID: LCS 885-43792/2-A

Matrix: Solid

Analysis Batch: 43802

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43792

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride	49.3	48.6		mg/Kg		99	90 - 110			

Lab Sample ID: 885-43772-1 MS

Matrix: Solid

Analysis Batch: 43802

Client Sample ID: PH01@4'

Prep Type: Total/NA

Prep Batch: 43792

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	ND		49.8	51.8		mg/Kg		NC	50 - 150		

Lab Sample ID: 885-43772-1 MSD

Matrix: Solid

Analysis Batch: 43802

Client Sample ID: PH01@4'

Prep Type: Total/NA

Prep Batch: 43792

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	ND		49.5	51.8		mg/Kg		NC	50 - 150	0	20

Lab Sample ID: 885-43772-2 MS

Matrix: Solid

Analysis Batch: 43802

Client Sample ID: PH01@5'

Prep Type: Total/NA

Prep Batch: 43792

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	ND		50.2	51.9		mg/Kg		104	50 - 150		

Lab Sample ID: 885-43772-2 MSD

Matrix: Solid

Analysis Batch: 43802

Client Sample ID: PH01@5'

Prep Type: Total/NA

Prep Batch: 43792

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	ND		50.0	51.8		mg/Kg		104	50 - 150	0	20

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QC Association Summary

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

GC VOA

Prep Batch: 43742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43772-1	PH01@4'	Total/NA	Solid	5030C	
885-43772-2	PH01@5'	Total/NA	Solid	5030C	
885-43772-3	PH01@7'	Total/NA	Solid	5030C	
885-43772-4	PH02@2'	Total/NA	Solid	5030C	
885-43772-5	PH02@4'	Total/NA	Solid	5030C	
885-43772-6	PH02@6'	Total/NA	Solid	5030C	
MB 885-43742/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-43742/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-43742/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Prep Batch: 43743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43772-7	PH03@3'	Total/NA	Solid	5030C	
885-43772-8	PH03@5'	Total/NA	Solid	5030C	
885-43772-9	PH04@2'	Total/NA	Solid	5030C	
885-43772-10	PH04@4'	Total/NA	Solid	5030C	
885-43772-11	PH04@5'	Total/NA	Solid	5030C	
885-43772-12	PH05@0-0.5'	Total/NA	Solid	5030C	
885-43772-13	PH05@2'	Total/NA	Solid	5030C	
885-43772-14	PH05@4'	Total/NA	Solid	5030C	
885-43772-15	DS01	Total/NA	Solid	5030C	
885-43772-16	SW01	Total/NA	Solid	5030C	
885-43772-17	SW02	Total/NA	Solid	5030C	
MB 885-43743/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-43743/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-43743/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-43772-7 MS	PH03@3'	Total/NA	Solid	5030C	
885-43772-7 MSD	PH03@3'	Total/NA	Solid	5030C	
885-43772-8 MS	PH03@5'	Total/NA	Solid	5030C	
885-43772-8 MSD	PH03@5'	Total/NA	Solid	5030C	

Analysis Batch: 44077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43772-1	PH01@4'	Total/NA	Solid	8015M/D	43742
885-43772-2	PH01@5'	Total/NA	Solid	8015M/D	43742
885-43772-6	PH02@6'	Total/NA	Solid	8015M/D	43742
MB 885-43742/1-A	Method Blank	Total/NA	Solid	8015M/D	43742
LCS 885-43742/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	43742

Analysis Batch: 44078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43772-1	PH01@4'	Total/NA	Solid	8021B	43742
885-43772-2	PH01@5'	Total/NA	Solid	8021B	43742
885-43772-6	PH02@6'	Total/NA	Solid	8021B	43742
MB 885-43742/1-A	Method Blank	Total/NA	Solid	8021B	43742
LCS 885-43742/3-A	Lab Control Sample	Total/NA	Solid	8021B	43742

Analysis Batch: 44093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43772-7	PH03@3'	Total/NA	Solid	8015M/D	43743
885-43772-8	PH03@5'	Total/NA	Solid	8015M/D	43743

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QC Association Summary

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

GC VOA (Continued)

Analysis Batch: 44093 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43772-11	PH04@5'	Total/NA	Solid	8015M/D	43743
885-43772-12	PH05@0-0.5'	Total/NA	Solid	8015M/D	43743
885-43772-13	PH05@2'	Total/NA	Solid	8015M/D	43743
885-43772-14	PH05@4'	Total/NA	Solid	8015M/D	43743
885-43772-15	DS01	Total/NA	Solid	8015M/D	43743
885-43772-16	SW01	Total/NA	Solid	8015M/D	43743
885-43772-17	SW02	Total/NA	Solid	8015M/D	43743
MB 885-43743/1-A	Method Blank	Total/NA	Solid	8015M/D	43743
LCS 885-43743/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	43743
885-43772-7 MS	PH03@3'	Total/NA	Solid	8015M/D	43743
885-43772-7 MSD	PH03@3'	Total/NA	Solid	8015M/D	43743

Analysis Batch: 44094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43772-7	PH03@3'	Total/NA	Solid	8021B	43743
885-43772-8	PH03@5'	Total/NA	Solid	8021B	43743
885-43772-9	PH04@2'	Total/NA	Solid	8021B	43743
885-43772-10	PH04@4'	Total/NA	Solid	8021B	43743
885-43772-11	PH04@5'	Total/NA	Solid	8021B	43743
885-43772-12	PH05@0-0.5'	Total/NA	Solid	8021B	43743
885-43772-13	PH05@2'	Total/NA	Solid	8021B	43743
885-43772-14	PH05@4'	Total/NA	Solid	8021B	43743
885-43772-15	DS01	Total/NA	Solid	8021B	43743
885-43772-16	SW01	Total/NA	Solid	8021B	43743
885-43772-17	SW02	Total/NA	Solid	8021B	43743
MB 885-43743/1-A	Method Blank	Total/NA	Solid	8021B	43743
LCS 885-43743/3-A	Lab Control Sample	Total/NA	Solid	8021B	43743
885-43772-8 MS	PH03@5'	Total/NA	Solid	8021B	43743
885-43772-8 MSD	PH03@5'	Total/NA	Solid	8021B	43743

Analysis Batch: 44117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43772-3	PH01@7'	Total/NA	Solid	8015M/D	43742
885-43772-4	PH02@2'	Total/NA	Solid	8015M/D	43742
885-43772-5	PH02@4'	Total/NA	Solid	8015M/D	43742
885-43772-9	PH04@2'	Total/NA	Solid	8015M/D	43743
885-43772-10	PH04@4'	Total/NA	Solid	8015M/D	43743

Analysis Batch: 44118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43772-3	PH01@7'	Total/NA	Solid	8021B	43742
885-43772-4	PH02@2'	Total/NA	Solid	8021B	43742
885-43772-5	PH02@4'	Total/NA	Solid	8021B	43742
885-43772-9	PH04@2'	Total/NA	Solid	8021B	43743
885-43772-10	PH04@4'	Total/NA	Solid	8021B	43743

GC Semi VOA

Analysis Batch: 43663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43772-1	PH01@4'	Total/NA	Solid	8015M/D	43747

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QC Association Summary

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

GC Semi VOA (Continued)

Analysis Batch: 43663 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43772-2	PH01@5'	Total/NA	Solid	8015M/D	43747
885-43772-3	PH01@7'	Total/NA	Solid	8015M/D	43747
885-43772-4	PH02@2'	Total/NA	Solid	8015M/D	43747
885-43772-5	PH02@4'	Total/NA	Solid	8015M/D	43747
885-43772-6	PH02@6'	Total/NA	Solid	8015M/D	43747
MB 885-43747/1-A	Method Blank	Total/NA	Solid	8015M/D	43747
LCS 885-43747/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	43747

Analysis Batch: 43684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43772-7	PH03@3'	Total/NA	Solid	8015M/D	43756
885-43772-8	PH03@5'	Total/NA	Solid	8015M/D	43756
885-43772-9	PH04@2'	Total/NA	Solid	8015M/D	43756
885-43772-12	PH05@0-0.5'	Total/NA	Solid	8015M/D	43756
885-43772-13	PH05@2'	Total/NA	Solid	8015M/D	43756
885-43772-14	PH05@4'	Total/NA	Solid	8015M/D	43756
MB 885-43756/1-A	Method Blank	Total/NA	Solid	8015M/D	43756
LCS 885-43756/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	43756
885-43772-7 MS	PH03@3'	Total/NA	Solid	8015M/D	43756
885-43772-7 MSD	PH03@3'	Total/NA	Solid	8015M/D	43756

Prep Batch: 43747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43772-1	PH01@4'	Total/NA	Solid	SHAKE	
885-43772-2	PH01@5'	Total/NA	Solid	SHAKE	
885-43772-3	PH01@7'	Total/NA	Solid	SHAKE	
885-43772-4	PH02@2'	Total/NA	Solid	SHAKE	
885-43772-5	PH02@4'	Total/NA	Solid	SHAKE	
885-43772-6	PH02@6'	Total/NA	Solid	SHAKE	
MB 885-43747/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-43747/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Prep Batch: 43756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43772-7	PH03@3'	Total/NA	Solid	SHAKE	
885-43772-8	PH03@5'	Total/NA	Solid	SHAKE	
885-43772-9	PH04@2'	Total/NA	Solid	SHAKE	
885-43772-10	PH04@4'	Total/NA	Solid	SHAKE	
885-43772-11	PH04@5'	Total/NA	Solid	SHAKE	
885-43772-12	PH05@0-0.5'	Total/NA	Solid	SHAKE	
885-43772-13	PH05@2'	Total/NA	Solid	SHAKE	
885-43772-14	PH05@4'	Total/NA	Solid	SHAKE	
885-43772-15	DS01	Total/NA	Solid	SHAKE	
885-43772-16	SW01	Total/NA	Solid	SHAKE	
885-43772-17	SW02	Total/NA	Solid	SHAKE	
MB 885-43756/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-43756/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-43772-7 MS	PH03@3'	Total/NA	Solid	SHAKE	
885-43772-7 MSD	PH03@3'	Total/NA	Solid	SHAKE	

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QC Association Summary

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

GC Semi VOA

Analysis Batch: 43846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43772-15	DS01	Total/NA	Solid	8015M/D	43756
885-43772-16	SW01	Total/NA	Solid	8015M/D	43756
885-43772-17	SW02	Total/NA	Solid	8015M/D	43756

Analysis Batch: 44009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43772-10	PH04@4'	Total/NA	Solid	8015M/D	43756
885-43772-11	PH04@5'	Total/NA	Solid	8015M/D	43756

HPLC/IC

Prep Batch: 43792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43772-1	PH01@4'	Total/NA	Solid	300_Prep	
885-43772-2	PH01@5'	Total/NA	Solid	300_Prep	
885-43772-3	PH01@7'	Total/NA	Solid	300_Prep	
885-43772-4	PH02@2'	Total/NA	Solid	300_Prep	
885-43772-5	PH02@4'	Total/NA	Solid	300_Prep	
885-43772-6	PH02@6'	Total/NA	Solid	300_Prep	
885-43772-7	PH03@3'	Total/NA	Solid	300_Prep	
885-43772-8	PH03@5'	Total/NA	Solid	300_Prep	
885-43772-9	PH04@2'	Total/NA	Solid	300_Prep	
885-43772-10	PH04@4'	Total/NA	Solid	300_Prep	
885-43772-11	PH04@5'	Total/NA	Solid	300_Prep	
885-43772-12	PH05@0-0.5'	Total/NA	Solid	300_Prep	
885-43772-13	PH05@2'	Total/NA	Solid	300_Prep	
885-43772-14	PH05@4'	Total/NA	Solid	300_Prep	
885-43772-15	DS01	Total/NA	Solid	300_Prep	
885-43772-16	SW01	Total/NA	Solid	300_Prep	
885-43772-17	SW02	Total/NA	Solid	300_Prep	
MB 885-43792/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-43792/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-43772-1 MS	PH01@4'	Total/NA	Solid	300_Prep	
885-43772-1 MSD	PH01@4'	Total/NA	Solid	300_Prep	
885-43772-2 MS	PH01@5'	Total/NA	Solid	300_Prep	
885-43772-2 MSD	PH01@5'	Total/NA	Solid	300_Prep	

Analysis Batch: 43802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43772-1	PH01@4'	Total/NA	Solid	300.0	43792
885-43772-2	PH01@5'	Total/NA	Solid	300.0	43792
885-43772-3	PH01@7'	Total/NA	Solid	300.0	43792
885-43772-4	PH02@2'	Total/NA	Solid	300.0	43792
885-43772-5	PH02@4'	Total/NA	Solid	300.0	43792
885-43772-6	PH02@6'	Total/NA	Solid	300.0	43792
885-43772-7	PH03@3'	Total/NA	Solid	300.0	43792
885-43772-8	PH03@5'	Total/NA	Solid	300.0	43792
885-43772-9	PH04@2'	Total/NA	Solid	300.0	43792
885-43772-10	PH04@4'	Total/NA	Solid	300.0	43792
885-43772-11	PH04@5'	Total/NA	Solid	300.0	43792
885-43772-12	PH05@0-0.5'	Total/NA	Solid	300.0	43792

Eurofins Albuquerque

QC Association Summary

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

HPLC/IC (Continued)

Analysis Batch: 43802 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43772-13	PH05@2'	Total/NA	Solid	300.0	43792
885-43772-14	PH05@4'	Total/NA	Solid	300.0	43792
885-43772-15	DS01	Total/NA	Solid	300.0	43792
885-43772-16	SW01	Total/NA	Solid	300.0	43792
885-43772-17	SW02	Total/NA	Solid	300.0	43792
MB 885-43792/1-A	Method Blank	Total/NA	Solid	300.0	43792
LCS 885-43792/2-A	Lab Control Sample	Total/NA	Solid	300.0	43792
885-43772-1 MS	PH01@4'	Total/NA	Solid	300.0	43792
885-43772-1 MSD	PH01@4'	Total/NA	Solid	300.0	43792
885-43772-2 MS	PH01@5'	Total/NA	Solid	300.0	43792
885-43772-2 MSD	PH01@5'	Total/NA	Solid	300.0	43792

Eurofins Albuquerque

Lab Chronicle

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

Client Sample ID: PH01@4'

Lab Sample ID: 885-43772-1

Date Collected: 02/19/26 09:49

Matrix: Solid

Date Received: 02/20/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43742	VP	EET ALB	02/24/26 08:54
Total/NA	Analysis	8015M/D		50	44077	VP	EET ALB	02/28/26 11:42
Total/NA	Prep	5030C			43742	VP	EET ALB	02/24/26 08:54
Total/NA	Analysis	8021B		50	44078	VP	EET ALB	02/28/26 11:42
Total/NA	Prep	SHAKE			43747	JM	EET ALB	02/24/26 09:38
Total/NA	Analysis	8015M/D		1	43663	EM	EET ALB	02/25/26 06:00
Total/NA	Prep	300_Prep			43792	EH	EET ALB	02/24/26 15:37
Total/NA	Analysis	300.0		10	43802	EH	EET ALB	02/25/26 07:15

Client Sample ID: PH01@5'

Lab Sample ID: 885-43772-2

Date Collected: 02/19/26 10:01

Matrix: Solid

Date Received: 02/20/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43742	VP	EET ALB	02/24/26 08:54
Total/NA	Analysis	8015M/D		50	44077	VP	EET ALB	02/28/26 12:06
Total/NA	Prep	5030C			43742	VP	EET ALB	02/24/26 08:54
Total/NA	Analysis	8021B		50	44078	VP	EET ALB	02/28/26 12:06
Total/NA	Prep	SHAKE			43747	JM	EET ALB	02/24/26 09:38
Total/NA	Analysis	8015M/D		1	43663	EM	EET ALB	02/25/26 06:12
Total/NA	Prep	300_Prep			43792	EH	EET ALB	02/24/26 15:37
Total/NA	Analysis	300.0		10	43802	EH	EET ALB	02/25/26 07:46

Client Sample ID: PH01@7'

Lab Sample ID: 885-43772-3

Date Collected: 02/19/26 12:29

Matrix: Solid

Date Received: 02/20/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43742	VP	EET ALB	02/24/26 08:54
Total/NA	Analysis	8015M/D		5	44117	VP	EET ALB	03/02/26 14:14
Total/NA	Prep	5030C			43742	VP	EET ALB	02/24/26 08:54
Total/NA	Analysis	8021B		5	44118	VP	EET ALB	03/02/26 14:14
Total/NA	Prep	SHAKE			43747	JM	EET ALB	02/24/26 09:38
Total/NA	Analysis	8015M/D		1	43663	EM	EET ALB	02/25/26 06:35
Total/NA	Prep	300_Prep			43792	EH	EET ALB	02/24/26 15:37
Total/NA	Analysis	300.0		10	43802	EH	EET ALB	02/25/26 08:38

Client Sample ID: PH02@2'

Lab Sample ID: 885-43772-4

Date Collected: 02/19/26 10:22

Matrix: Solid

Date Received: 02/20/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43742	VP	EET ALB	02/24/26 08:54
Total/NA	Analysis	8015M/D		5	44117	VP	EET ALB	03/02/26 14:38

Eurofins Albuquerque

Lab Chronicle

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

Client Sample ID: PH02@2'

Lab Sample ID: 885-43772-4

Date Collected: 02/19/26 10:22

Matrix: Solid

Date Received: 02/20/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43742	VP	EET ALB	02/24/26 08:54
Total/NA	Analysis	8021B		5	44118	VP	EET ALB	03/02/26 14:38
Total/NA	Prep	SHAKE			43747	JM	EET ALB	02/24/26 09:38
Total/NA	Analysis	8015M/D		1	43663	EM	EET ALB	02/25/26 06:47
Total/NA	Prep	300_Prep			43792	EH	EET ALB	02/24/26 15:37
Total/NA	Analysis	300.0		10	43802	EH	EET ALB	02/25/26 08:48

Client Sample ID: PH02@4'

Lab Sample ID: 885-43772-5

Date Collected: 02/19/26 10:56

Matrix: Solid

Date Received: 02/20/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43742	VP	EET ALB	02/24/26 08:54
Total/NA	Analysis	8015M/D		1	44117	VP	EET ALB	03/02/26 15:49
Total/NA	Prep	5030C			43742	VP	EET ALB	02/24/26 08:54
Total/NA	Analysis	8021B		1	44118	VP	EET ALB	03/02/26 15:49
Total/NA	Prep	SHAKE			43747	JM	EET ALB	02/24/26 09:38
Total/NA	Analysis	8015M/D		1	43663	EM	EET ALB	02/25/26 06:59
Total/NA	Prep	300_Prep			43792	EH	EET ALB	02/24/26 15:37
Total/NA	Analysis	300.0		10	43802	EH	EET ALB	02/25/26 08:58

Client Sample ID: PH02@6'

Lab Sample ID: 885-43772-6

Date Collected: 02/19/26 12:13

Matrix: Solid

Date Received: 02/20/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43742	VP	EET ALB	02/24/26 08:54
Total/NA	Analysis	8015M/D		50	44077	VP	EET ALB	02/28/26 13:42
Total/NA	Prep	5030C			43742	VP	EET ALB	02/24/26 08:54
Total/NA	Analysis	8021B		50	44078	VP	EET ALB	02/28/26 13:42
Total/NA	Prep	SHAKE			43747	JM	EET ALB	02/24/26 09:38
Total/NA	Analysis	8015M/D		1	43663	EM	EET ALB	02/25/26 07:11
Total/NA	Prep	300_Prep			43792	EH	EET ALB	02/24/26 15:37
Total/NA	Analysis	300.0		10	43802	EH	EET ALB	02/25/26 09:09

Client Sample ID: PH03@3'

Lab Sample ID: 885-43772-7

Date Collected: 02/19/26 12:39

Matrix: Solid

Date Received: 02/20/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43743	AT	EET ALB	02/24/26 09:28
Total/NA	Analysis	8015M/D		1	44093	VP	EET ALB	03/01/26 13:15
Total/NA	Prep	5030C			43743	AT	EET ALB	02/24/26 09:28
Total/NA	Analysis	8021B		1	44094	VP	EET ALB	03/01/26 13:15

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Lab Chronicle

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

Client Sample ID: PH03@3'

Lab Sample ID: 885-43772-7

Date Collected: 02/19/26 12:39

Matrix: Solid

Date Received: 02/20/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			43756	JM	EET ALB	02/24/26 11:47
Total/NA	Analysis	8015M/D		1	43684	EM	EET ALB	02/25/26 05:46
Total/NA	Prep	300_Prep			43792	EH	EET ALB	02/24/26 15:37
Total/NA	Analysis	300.0		10	43802	EH	EET ALB	02/25/26 09:19

Client Sample ID: PH03@5'

Lab Sample ID: 885-43772-8

Date Collected: 02/19/26 12:55

Matrix: Solid

Date Received: 02/20/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43743	AT	EET ALB	02/24/26 09:28
Total/NA	Analysis	8015M/D		1	44093	VP	EET ALB	03/01/26 14:27
Total/NA	Prep	5030C			43743	AT	EET ALB	02/24/26 09:28
Total/NA	Analysis	8021B		1	44094	VP	EET ALB	03/01/26 14:27
Total/NA	Prep	SHAKE			43756	JM	EET ALB	02/24/26 11:47
Total/NA	Analysis	8015M/D		1	43684	EM	EET ALB	02/25/26 06:56
Total/NA	Prep	300_Prep			43792	EH	EET ALB	02/24/26 15:37
Total/NA	Analysis	300.0		10	43802	EH	EET ALB	02/25/26 09:29

Client Sample ID: PH04@2'

Lab Sample ID: 885-43772-9

Date Collected: 02/19/26 13:11

Matrix: Solid

Date Received: 02/20/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43743	AT	EET ALB	02/24/26 09:28
Total/NA	Analysis	8015M/D		50	44117	VP	EET ALB	03/02/26 13:50
Total/NA	Prep	5030C			43743	AT	EET ALB	02/24/26 09:28
Total/NA	Analysis	8021B		1	44094	VP	EET ALB	03/01/26 15:39
Total/NA	Prep	5030C			43743	AT	EET ALB	02/24/26 09:28
Total/NA	Analysis	8021B		50	44118	VP	EET ALB	03/02/26 13:50
Total/NA	Prep	SHAKE			43756	JM	EET ALB	02/24/26 11:47
Total/NA	Analysis	8015M/D		1	43684	EM	EET ALB	02/25/26 07:19
Total/NA	Prep	300_Prep			43792	EH	EET ALB	02/24/26 15:37
Total/NA	Analysis	300.0		10	43802	EH	EET ALB	02/25/26 09:40

Client Sample ID: PH04@4'

Lab Sample ID: 885-43772-10

Date Collected: 02/19/26 13:24

Matrix: Solid

Date Received: 02/20/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43743	AT	EET ALB	02/24/26 09:28
Total/NA	Analysis	8015M/D		1	44117	VP	EET ALB	03/02/26 15:25
Total/NA	Prep	5030C			43743	AT	EET ALB	02/24/26 09:28
Total/NA	Analysis	8021B		1	44094	VP	EET ALB	03/01/26 16:02

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Lab Chronicle

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

Client Sample ID: PH04@4'

Lab Sample ID: 885-43772-10

Date Collected: 02/19/26 13:24

Matrix: Solid

Date Received: 02/20/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43743	AT	EET ALB	02/24/26 09:28
Total/NA	Analysis	8021B		1	44118	VP	EET ALB	03/02/26 15:25
Total/NA	Prep	SHAKE			43756	JM	EET ALB	02/24/26 11:47
Total/NA	Analysis	8015M/D		1	44009	EM	EET ALB	02/27/26 11:24
Total/NA	Prep	300_Prep			43792	EH	EET ALB	02/24/26 15:37
Total/NA	Analysis	300.0		10	43802	EH	EET ALB	02/25/26 09:50

Client Sample ID: PH04@5'

Lab Sample ID: 885-43772-11

Date Collected: 02/19/26 13:49

Matrix: Solid

Date Received: 02/20/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43743	AT	EET ALB	02/24/26 09:28
Total/NA	Analysis	8015M/D		1	44093	VP	EET ALB	03/01/26 16:26
Total/NA	Prep	5030C			43743	AT	EET ALB	02/24/26 09:28
Total/NA	Analysis	8021B		1	44094	VP	EET ALB	03/01/26 16:26
Total/NA	Prep	SHAKE			43756	JM	EET ALB	02/24/26 11:47
Total/NA	Analysis	8015M/D		1	44009	EM	EET ALB	02/27/26 11:47
Total/NA	Prep	300_Prep			43792	EH	EET ALB	02/24/26 15:37
Total/NA	Analysis	300.0		10	43802	EH	EET ALB	02/25/26 10:00

Client Sample ID: PH05@0-0.5'

Lab Sample ID: 885-43772-12

Date Collected: 02/19/26 14:07

Matrix: Solid

Date Received: 02/20/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43743	AT	EET ALB	02/24/26 09:28
Total/NA	Analysis	8015M/D		1	44093	VP	EET ALB	03/01/26 16:50
Total/NA	Prep	5030C			43743	AT	EET ALB	02/24/26 09:28
Total/NA	Analysis	8021B		1	44094	VP	EET ALB	03/01/26 16:50
Total/NA	Prep	SHAKE			43756	JM	EET ALB	02/24/26 11:47
Total/NA	Analysis	8015M/D		1	43684	EM	EET ALB	02/25/26 08:29
Total/NA	Prep	300_Prep			43792	EH	EET ALB	02/24/26 15:37
Total/NA	Analysis	300.0		10	43802	EH	EET ALB	02/25/26 10:11

Client Sample ID: PH05@2'

Lab Sample ID: 885-43772-13

Date Collected: 02/19/26 14:09

Matrix: Solid

Date Received: 02/20/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43743	AT	EET ALB	02/24/26 09:28
Total/NA	Analysis	8015M/D		1	44093	VP	EET ALB	03/01/26 17:14
Total/NA	Prep	5030C			43743	AT	EET ALB	02/24/26 09:28
Total/NA	Analysis	8021B		1	44094	VP	EET ALB	03/01/26 17:14

Eurofins Albuquerque

Lab Chronicle

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

Client Sample ID: PH05@2'

Lab Sample ID: 885-43772-13

Date Collected: 02/19/26 14:09

Matrix: Solid

Date Received: 02/20/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			43756	JM	EET ALB	02/24/26 11:47
Total/NA	Analysis	8015M/D		1	43684	EM	EET ALB	02/25/26 12:47
Total/NA	Prep	300_Prep			43792	EH	EET ALB	02/24/26 15:37
Total/NA	Analysis	300.0		10	43802	EH	EET ALB	02/25/26 10:42

Client Sample ID: PH05@4'

Lab Sample ID: 885-43772-14

Date Collected: 02/19/26 14:31

Matrix: Solid

Date Received: 02/20/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43743	AT	EET ALB	02/24/26 09:28
Total/NA	Analysis	8015M/D		1	44093	VP	EET ALB	03/01/26 17:38
Total/NA	Prep	5030C			43743	AT	EET ALB	02/24/26 09:28
Total/NA	Analysis	8021B		1	44094	VP	EET ALB	03/01/26 17:38
Total/NA	Prep	SHAKE			43756	JM	EET ALB	02/24/26 11:47
Total/NA	Analysis	8015M/D		1	43684	EM	EET ALB	02/25/26 13:10
Total/NA	Prep	300_Prep			43792	EH	EET ALB	02/24/26 15:37
Total/NA	Analysis	300.0		10	43802	EH	EET ALB	02/25/26 10:52

Client Sample ID: DS01

Lab Sample ID: 885-43772-15

Date Collected: 02/19/26 10:06

Matrix: Solid

Date Received: 02/20/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43743	AT	EET ALB	02/24/26 09:28
Total/NA	Analysis	8015M/D		100	44093	VP	EET ALB	03/01/26 12:27
Total/NA	Prep	5030C			43743	AT	EET ALB	02/24/26 09:28
Total/NA	Analysis	8021B		100	44094	VP	EET ALB	03/01/26 12:27
Total/NA	Prep	SHAKE			43756	JM	EET ALB	02/24/26 11:47
Total/NA	Analysis	8015M/D		10	43846	EM	EET ALB	02/26/26 12:05
Total/NA	Prep	300_Prep			43792	EH	EET ALB	02/24/26 15:37
Total/NA	Analysis	300.0		10	43802	EH	EET ALB	02/25/26 11:03

Client Sample ID: SW01

Lab Sample ID: 885-43772-16

Date Collected: 02/19/26 10:41

Matrix: Solid

Date Received: 02/20/26 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43743	AT	EET ALB	02/24/26 09:28
Total/NA	Analysis	8015M/D		1	44093	VP	EET ALB	03/01/26 18:02
Total/NA	Prep	5030C			43743	AT	EET ALB	02/24/26 09:28
Total/NA	Analysis	8021B		1	44094	VP	EET ALB	03/01/26 18:02
Total/NA	Prep	SHAKE			43756	JM	EET ALB	02/24/26 11:47
Total/NA	Analysis	8015M/D		1	43846	EM	EET ALB	02/26/26 12:47

Eurofins Albuquerque

Lab Chronicle

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

Client Sample ID: SW01
Date Collected: 02/19/26 10:41
Date Received: 02/20/26 07:45

Lab Sample ID: 885-43772-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			43792	EH	EET ALB	02/24/26 15:37
Total/NA	Analysis	300.0		10	43802	EH	EET ALB	02/25/26 11:13

Client Sample ID: SW02
Date Collected: 02/19/26 14:01
Date Received: 02/20/26 07:45

Lab Sample ID: 885-43772-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			43743	AT	EET ALB	02/24/26 09:28
Total/NA	Analysis	8015M/D		1	44093	VP	EET ALB	03/01/26 18:49
Total/NA	Prep	5030C			43743	AT	EET ALB	02/24/26 09:28
Total/NA	Analysis	8021B		1	44094	VP	EET ALB	03/01/26 18:49
Total/NA	Prep	SHAKE			43756	JM	EET ALB	02/24/26 11:47
Total/NA	Analysis	8015M/D		1	43846	EM	EET ALB	02/26/26 12:57
Total/NA	Prep	300_Prep			43792	EH	EET ALB	02/24/26 15:37
Total/NA	Analysis	300.0		10	43802	EH	EET ALB	02/25/26 11:23

Laboratory References:

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

Accreditation/Certification Summary

Client: Hilcorp Energy
Project/Site: Howell C #3B

Job ID: 885-43772-1

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	02-25-26 *
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0	300_Prep	Solid	Chloride
8015M/D	5030C	Solid	Gasoline Range Organics [C6 - C10]
8015M/D	SHAKE	Solid	Diesel Range Organics [C10-C28]
8015M/D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]
8021B	5030C	Solid	Benzene
8021B	5030C	Solid	Ethylbenzene
8021B	5030C	Solid	Toluene
8021B	5030C	Solid	Xylenes, Total
Oregon	NELAP	NM100001	02-25-27

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Login Sample Receipt Checklist

Client: Hilcorp Energy

Job Number: 885-43772-1

Login Number: 43772

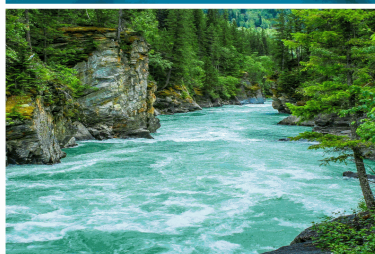
List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

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

Report to:
Kate Kaufman



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Hilcorp Energy Co

Project Name: Howell C #3B

Work Order: E603366

Job Number: 17051-0002

Received: 3/31/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/2/26

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 4/2/26

Kate Kaufman
PO Box 61529
Houston, TX 77208



Project Name: Howell C #3B
Workorder: E603366
Date Received: 3/31/2026 1:05:00PM

Kate Kaufman,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/31/2026 1:05:00PM, under the Project Name: Howell C #3B.

The analytical test results summarized in this report with the Project Name: Howell C #3B apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Cell: 775-287-1762
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Sample Summary

Hilcorp Energy Co	Project Name:	Howell C #3B	Reported:
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Kate Kaufman	04/02/26 12:51

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01	E603366-01A	Soil	03/31/26	03/31/26	Glass Jar, 2 oz.
FS02	E603366-02A	Soil	03/31/26	03/31/26	Glass Jar, 2 oz.
SW01	E603366-03A	Soil	03/31/26	03/31/26	Glass Jar, 2 oz.
SW02	E603366-04A	Soil	03/31/26	03/31/26	Glass Jar, 2 oz.
SW03	E603366-05A	Soil	03/31/26	03/31/26	Glass Jar, 2 oz.
SW04	E603366-06A	Soil	03/31/26	03/31/26	Glass Jar, 2 oz.
PH06 @ 0-6"	E603366-07A	Soil	03/31/26	03/31/26	Glass Jar, 2 oz.
PH06 @ 2'	E603366-08A	Soil	03/31/26	03/31/26	Glass Jar, 2 oz.
PH07 @ 0-6"	E603366-09A	Soil	03/31/26	03/31/26	Glass Jar, 2 oz.
PH07 @ 2'	E603366-10A	Soil	03/31/26	03/31/26	Glass Jar, 2 oz.
PH07 @ 4'	E603366-11A	Soil	03/31/26	03/31/26	Glass Jar, 2 oz.
S2 @ 0-6"	E603366-12A	Soil	03/31/26	03/31/26	Glass Jar, 2 oz.
S2 @ 2'	E603366-13A	Soil	03/31/26	03/31/26	Glass Jar, 2 oz.



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Howell C #3B
Project Number: 17051-0002
Project Manager: Kate Kaufman

Reported:
4/2/2026 12:51:30PM

FS01

E603366-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2614056	
Benzene	ND	0.0250	1	04/01/26	04/01/26	
Ethylbenzene	0.0340	0.0250	1	04/01/26	04/01/26	
Toluene	ND	0.0250	1	04/01/26	04/01/26	
o-Xylene	0.0544	0.0250	1	04/01/26	04/01/26	
p,m-Xylene	0.310	0.0500	1	04/01/26	04/01/26	
Total Xylenes	0.364	0.0250	1	04/01/26	04/01/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	04/01/26	04/01/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2614056	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/01/26	04/01/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.0 %	70-130	04/01/26	04/01/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: CJB		Batch: 2614050	
Diesel Range Organics (C10-C28)	43.1	25.0	1	03/31/26	04/01/26	
Oil Range Organics (C28-C36)	89.5	50.0	1	03/31/26	04/01/26	
<i>Surrogate: n-Nonane</i>						
		85.6 %	69-135	03/31/26	04/01/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP		Batch: 2614065	
Chloride	ND	20.0	1	04/01/26	04/01/26	



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Howell C #3B
Project Number: 17051-0002
Project Manager: Kate Kaufman

Reported:
4/2/2026 12:51:30PM

FS02

E603366-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2614056	
Benzene	ND	0.0250	1	04/01/26	04/01/26	
Ethylbenzene	0.0263	0.0250	1	04/01/26	04/01/26	
Toluene	ND	0.0250	1	04/01/26	04/01/26	
o-Xylene	0.0548	0.0250	1	04/01/26	04/01/26	
p,m-Xylene	0.250	0.0500	1	04/01/26	04/01/26	
Total Xylenes	0.304	0.0250	1	04/01/26	04/01/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	107 %	70-130		04/01/26	04/01/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2614056	
Gasoline Range Organics (C6-C10)	20.4	20.0	1	04/01/26	04/01/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.4 %	70-130		04/01/26	04/01/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: CJB		Batch: 2614050	
Diesel Range Organics (C10-C28)	97.2	25.0	1	03/31/26	04/01/26	
Oil Range Organics (C28-C36)	82.1	50.0	1	03/31/26	04/01/26	
<i>Surrogate: n-Nonane</i>						
	94.3 %	69-135		03/31/26	04/01/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: TP		Batch: 2614065	
Chloride	ND	20.0	1	04/01/26	04/01/26	



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Howell C #3B
Project Number: 17051-0002
Project Manager: Kate Kaufman

Reported:
4/2/2026 12:51:30PM

SW01

E603366-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2614056	
Benzene	ND	0.0250	1	04/01/26	04/01/26	
Ethylbenzene	ND	0.0250	1	04/01/26	04/01/26	
Toluene	ND	0.0250	1	04/01/26	04/01/26	
o-Xylene	ND	0.0250	1	04/01/26	04/01/26	
p,m-Xylene	0.0768	0.0500	1	04/01/26	04/01/26	
Total Xylenes	0.0768	0.0250	1	04/01/26	04/01/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	108 %	70-130		04/01/26	04/01/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2614056	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/01/26	04/01/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.0 %	70-130		04/01/26	04/01/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: CJB		Batch: 2614050	
Diesel Range Organics (C10-C28)	52.0	25.0	1	03/31/26	04/01/26	
Oil Range Organics (C28-C36)	153	50.0	1	03/31/26	04/01/26	
<i>Surrogate: n-Nonane</i>						
	92.8 %	69-135		03/31/26	04/01/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: TP		Batch: 2614065	
Chloride	ND	20.0	1	04/01/26	04/01/26	



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Howell C #3B
Project Number: 17051-0002
Project Manager: Kate Kaufman

Reported:
4/2/2026 12:51:30PM

SW02

E603366-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2614056	
Benzene	ND	0.0250	1	04/01/26	04/01/26	
Ethylbenzene	0.0426	0.0250	1	04/01/26	04/01/26	
Toluene	ND	0.0250	1	04/01/26	04/01/26	
o-Xylene	0.204	0.0250	1	04/01/26	04/01/26	
p,m-Xylene	0.484	0.0500	1	04/01/26	04/01/26	
Total Xylenes	0.688	0.0250	1	04/01/26	04/01/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	04/01/26	04/01/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2614056	
Gasoline Range Organics (C6-C10)	21.9	20.0	1	04/01/26	04/01/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		100 %	70-130	04/01/26	04/01/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: CJB		Batch: 2614050	
Diesel Range Organics (C10-C28)	121	25.0	1	03/31/26	04/01/26	
Oil Range Organics (C28-C36)	297	50.0	1	03/31/26	04/01/26	
<i>Surrogate: n-Nonane</i>						
		91.3 %	69-135	03/31/26	04/01/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: TP		Batch: 2614065	
Chloride	ND	20.0	1	04/01/26	04/01/26	



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Howell C #3B
Project Number: 17051-0002
Project Manager: Kate Kaufman

Reported:
4/2/2026 12:51:30PM

SW03

E603366-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2614056	
Benzene	ND	0.0250	1	04/01/26	04/01/26	
Ethylbenzene	ND	0.0250	1	04/01/26	04/01/26	
Toluene	ND	0.0250	1	04/01/26	04/01/26	
o-Xylene	ND	0.0250	1	04/01/26	04/01/26	
p,m-Xylene	ND	0.0500	1	04/01/26	04/01/26	
Total Xylenes	ND	0.0250	1	04/01/26	04/01/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	04/01/26	04/01/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2614056	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/01/26	04/01/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.8 %	70-130	04/01/26	04/01/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: CJB		Batch: 2614050	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/31/26	04/01/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/31/26	04/01/26	
<i>Surrogate: n-Nonane</i>						
		86.0 %	69-135	03/31/26	04/01/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: TP		Batch: 2614065	
Chloride	ND	20.0	1	04/01/26	04/01/26	



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Howell C #3B
Project Number: 17051-0002
Project Manager: Kate Kaufman

Reported:
4/2/2026 12:51:30PM

SW04

E603366-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2614056
Benzene	ND	0.0250	1	04/01/26	04/01/26	
Ethylbenzene	0.0375	0.0250	1	04/01/26	04/01/26	
Toluene	ND	0.0250	1	04/01/26	04/01/26	
o-Xylene	0.152	0.0250	1	04/01/26	04/01/26	
p,m-Xylene	0.427	0.0500	1	04/01/26	04/01/26	
Total Xylenes	0.578	0.0250	1	04/01/26	04/01/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		108 %	70-130	04/01/26	04/01/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2614056
Gasoline Range Organics (C6-C10)	26.3	20.0	1	04/01/26	04/01/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		101 %	70-130	04/01/26	04/01/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: CJB		Batch: 2614050
Diesel Range Organics (C10-C28)	37.0	25.0	1	03/31/26	04/02/26	
Oil Range Organics (C28-C36)	53.0	50.0	1	03/31/26	04/02/26	
<i>Surrogate: n-Nonane</i>						
		93.6 %	69-135	03/31/26	04/02/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2614065
Chloride	ND	20.0	1	04/01/26	04/01/26	



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Howell C #3B
Project Number: 17051-0002
Project Manager: Kate Kaufman

Reported:
4/2/2026 12:51:30PM

PH06 @ 0-6"

E603366-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2614056	
Benzene	ND	0.0250	1	04/01/26	04/01/26	
Ethylbenzene	ND	0.0250	1	04/01/26	04/01/26	
Toluene	ND	0.0250	1	04/01/26	04/01/26	
o-Xylene	ND	0.0250	1	04/01/26	04/01/26	
p,m-Xylene	0.0568	0.0500	1	04/01/26	04/01/26	
Total Xylenes	0.0568	0.0250	1	04/01/26	04/01/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	108 %	70-130		04/01/26	04/01/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2614056	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/01/26	04/01/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.4 %	70-130		04/01/26	04/01/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: CJB		Batch: 2614050	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/31/26	04/02/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/31/26	04/02/26	
<i>Surrogate: n-Nonane</i>						
	91.7 %	69-135		03/31/26	04/02/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: TP		Batch: 2614065	
Chloride	ND	20.0	1	04/01/26	04/01/26	



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Howell C #3B
Project Number: 17051-0002
Project Manager: Kate Kaufman

Reported:
4/2/2026 12:51:30PM

PH06 @ 2'

E603366-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2614056	
Benzene	ND	0.0250	1	04/01/26	04/01/26	
Ethylbenzene	ND	0.0250	1	04/01/26	04/01/26	
Toluene	ND	0.0250	1	04/01/26	04/01/26	
o-Xylene	ND	0.0250	1	04/01/26	04/01/26	
p,m-Xylene	ND	0.0500	1	04/01/26	04/01/26	
Total Xylenes	ND	0.0250	1	04/01/26	04/01/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	04/01/26	04/01/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2614056	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/01/26	04/01/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.7 %	70-130	04/01/26	04/01/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: CJB		Batch: 2614050	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/31/26	04/02/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/31/26	04/02/26	
<i>Surrogate: n-Nonane</i>						
		89.8 %	69-135	03/31/26	04/02/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: TP		Batch: 2614065	
Chloride	ND	20.0	1	04/01/26	04/01/26	



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Howell C #3B
Project Number: 17051-0002
Project Manager: Kate Kaufman

Reported:
4/2/2026 12:51:30PM

PH07 @ 0-6"

E603366-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2614056	
Benzene	ND	0.0250	1	04/01/26	04/01/26	
Ethylbenzene	ND	0.0250	1	04/01/26	04/01/26	
Toluene	ND	0.0250	1	04/01/26	04/01/26	
o-Xylene	ND	0.0250	1	04/01/26	04/01/26	
p,m-Xylene	ND	0.0500	1	04/01/26	04/01/26	
Total Xylenes	ND	0.0250	1	04/01/26	04/01/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	04/01/26	04/01/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2614056	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/01/26	04/01/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.1 %	70-130	04/01/26	04/01/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: CJB		Batch: 2614050	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/31/26	04/02/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/31/26	04/02/26	
<i>Surrogate: n-Nonane</i>						
		90.3 %	69-135	03/31/26	04/02/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: TP		Batch: 2614065	
Chloride	22.1	20.0	1	04/01/26	04/01/26	



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Howell C #3B
Project Number: 17051-0002
Project Manager: Kate Kaufman

Reported:
4/2/2026 12:51:30PM

PH07 @ 2'

E603366-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2614056	
Benzene	ND	0.0250	1	04/01/26	04/02/26	
Ethylbenzene	ND	0.0250	1	04/01/26	04/02/26	
Toluene	ND	0.0250	1	04/01/26	04/02/26	
o-Xylene	ND	0.0250	1	04/01/26	04/02/26	
p,m-Xylene	ND	0.0500	1	04/01/26	04/02/26	
Total Xylenes	ND	0.0250	1	04/01/26	04/02/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	04/01/26	04/02/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2614056	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/01/26	04/02/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.6 %	70-130	04/01/26	04/02/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: CJB		Batch: 2614050	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/31/26	04/02/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/31/26	04/02/26	
<i>Surrogate: n-Nonane</i>						
		91.5 %	69-135	03/31/26	04/02/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: TP		Batch: 2614065	
Chloride	ND	20.0	1	04/01/26	04/01/26	



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Howell C #3B
Project Number: 17051-0002
Project Manager: Kate Kaufman

Reported:
4/2/2026 12:51:30PM

PH07 @ 4'

E603366-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2614056	
Benzene	ND	0.0250	1	04/01/26	04/02/26	
Ethylbenzene	ND	0.0250	1	04/01/26	04/02/26	
Toluene	ND	0.0250	1	04/01/26	04/02/26	
o-Xylene	ND	0.0250	1	04/01/26	04/02/26	
p,m-Xylene	ND	0.0500	1	04/01/26	04/02/26	
Total Xylenes	ND	0.0250	1	04/01/26	04/02/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	04/01/26	04/02/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2614056	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/01/26	04/02/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.8 %	70-130	04/01/26	04/02/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: CJB		Batch: 2614050	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/31/26	04/02/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/31/26	04/02/26	
<i>Surrogate: n-Nonane</i>						
		90.4 %	69-135	03/31/26	04/02/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: TP		Batch: 2614065	
Chloride	ND	20.0	1	04/01/26	04/01/26	



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Howell C #3B
Project Number: 17051-0002
Project Manager: Kate Kaufman

Reported:
4/2/2026 12:51:30PM

S2 @ 0-6"

E603366-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2614056	
Benzene	ND	0.0250	1	04/01/26	04/02/26	
Ethylbenzene	ND	0.0250	1	04/01/26	04/02/26	
Toluene	ND	0.0250	1	04/01/26	04/02/26	
o-Xylene	ND	0.0250	1	04/01/26	04/02/26	
p,m-Xylene	ND	0.0500	1	04/01/26	04/02/26	
Total Xylenes	ND	0.0250	1	04/01/26	04/02/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	108 %	70-130		04/01/26	04/02/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2614056	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/01/26	04/02/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.1 %	70-130		04/01/26	04/02/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: CJB		Batch: 2614050	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/31/26	04/02/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/31/26	04/02/26	
<i>Surrogate: n-Nonane</i>						
	96.0 %	69-135		03/31/26	04/02/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: TP		Batch: 2614065	
Chloride	ND	20.0	1	04/01/26	04/01/26	



Sample Data

Hilcorp Energy Co
PO Box 61529
Houston TX, 77208

Project Name: Howell C #3B
Project Number: 17051-0002
Project Manager: Kate Kaufman

Reported:
4/2/2026 12:51:30PM

S2 @ 2'

E603366-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2614056	
Benzene	ND	0.0250	1	04/01/26	04/02/26	
Ethylbenzene	ND	0.0250	1	04/01/26	04/02/26	
Toluene	ND	0.0250	1	04/01/26	04/02/26	
o-Xylene	ND	0.0250	1	04/01/26	04/02/26	
p,m-Xylene	ND	0.0500	1	04/01/26	04/02/26	
Total Xylenes	ND	0.0250	1	04/01/26	04/02/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	04/01/26	04/02/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2614056	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/01/26	04/02/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.1 %	70-130	04/01/26	04/02/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: CJB		Batch: 2614050	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/31/26	04/01/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/31/26	04/01/26	
<i>Surrogate: n-Nonane</i>						
		95.1 %	69-135	03/31/26	04/01/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: TP		Batch: 2614065	
Chloride	ND	20.0	1	04/01/26	04/01/26	



QC Summary Data

Hilcorp Energy Co	Project Name:	Howell C #3B	Reported:
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Kate Kaufman	4/2/2026 12:51:30PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2614056-BLK1)

Prepared: 04/01/26 Analyzed: 04/01/26

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.27		8.00		103	70-130			

LCS (2614056-BS1)

Prepared: 04/01/26 Analyzed: 04/01/26

Benzene	3.90	0.0250	5.00		78.1	70-130			
Ethylbenzene	3.69	0.0250	5.00		73.7	70-130			
Toluene	3.83	0.0250	5.00		76.6	70-130			
o-Xylene	3.75	0.0250	5.00		75.0	70-130			
p,m-Xylene	7.55	0.0500	10.0		75.5	70-130			
Total Xylenes	11.3	0.0250	15.0		75.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.96		8.00		99.5	70-130			

Matrix Spike (2614056-MS1)

Source: E603366-04

Prepared: 04/01/26 Analyzed: 04/02/26

Benzene	4.81	0.0250	5.00	ND	96.3	70-130			
Ethylbenzene	4.62	0.0250	5.00	0.0426	91.5	70-130			
Toluene	4.75	0.0250	5.00	ND	95.0	70-130			
o-Xylene	4.92	0.0250	5.00	0.204	94.4	70-130			
p,m-Xylene	9.80	0.0500	10.0	0.484	93.1	70-130			
Total Xylenes	14.7	0.0250	15.0	0.688	93.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.67		8.00		108	70-130			

Matrix Spike Dup (2614056-MSD1)

Source: E603366-04

Prepared: 04/01/26 Analyzed: 04/01/26

Benzene	4.37	0.0250	5.00	ND	87.4	70-130	9.65	20	
Ethylbenzene	4.16	0.0250	5.00	0.0426	82.4	70-130	10.3	20	
Toluene	4.29	0.0250	5.00	ND	85.8	70-130	10.2	20	
o-Xylene	4.48	0.0250	5.00	0.204	85.6	70-130	9.38	20	
p,m-Xylene	8.89	0.0500	10.0	0.484	84.1	70-130	9.69	20	
Total Xylenes	13.4	0.0250	15.0	0.688	84.6	70-130	9.59	20	
Surrogate: 4-Bromochlorobenzene-PID	8.40		8.00		105	70-130			



QC Summary Data

Hilcorp Energy Co	Project Name:	Howell C #3B	Reported:
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Kate Kaufman	4/2/2026 12:51:30PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2614056-BLK1) Prepared: 04/01/26 Analyzed: 04/01/26

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.3	70-130			

LCS (2614056-BS2) Prepared: 04/01/26 Analyzed: 04/01/26

Gasoline Range Organics (C6-C10)	57.6	20.0	50.0		115	62-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.87		8.00		98.4	70-130			

Matrix Spike (2614056-MS2) Source: E603366-04 Prepared: 04/01/26 Analyzed: 04/01/26

Gasoline Range Organics (C6-C10)	73.8	20.0	50.0	21.9	104	60-137			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.95		8.00		99.3	70-130			

Matrix Spike Dup (2614056-MSD2) Source: E603366-04 Prepared: 04/01/26 Analyzed: 04/01/26

Gasoline Range Organics (C6-C10)	71.9	20.0	50.0	21.9	100	60-137	2.68	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.95		8.00		99.4	70-130			



QC Summary Data

Hilcorp Energy Co	Project Name:	Howell C #3B	Reported:
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Kate Kaufman	4/2/2026 12:51:30PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: CJB

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2614050-BLK1)

Prepared: 03/31/26 Analyzed: 04/01/26

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	45.5		50.0		91.0	69-135			

LCS (2614050-BS1)

Prepared: 03/31/26 Analyzed: 04/01/26

Diesel Range Organics (C10-C28)	234	25.0	250		93.7	70-131			
Surrogate: <i>n</i> -Nonane	44.4		50.0		88.8	69-135			

Matrix Spike (2614050-MS1)

Source: E603366-06

Prepared: 03/31/26 Analyzed: 04/01/26

Diesel Range Organics (C10-C28)	278	25.0	250	37.0	96.5	62-151			
Surrogate: <i>n</i> -Nonane	47.4		50.0		94.8	69-135			

Matrix Spike Dup (2614050-MSD1)

Source: E603366-06

Prepared: 03/31/26 Analyzed: 04/01/26

Diesel Range Organics (C10-C28)	281	25.0	250	37.0	97.6	62-151	1.02	20	
Surrogate: <i>n</i> -Nonane	47.2		50.0		94.5	69-135			



QC Summary Data

Hilcorp Energy Co	Project Name:	Howell C #3B	Reported:
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Kate Kaufman	4/2/2026 12:51:30PM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2614065-BLK1)					Prepared: 04/01/26 Analyzed: 04/01/26				
Chloride	ND	20.0							
LCS (2614065-BS1)					Prepared: 04/01/26 Analyzed: 04/01/26				
Chloride	262	20.0	250		105	90-110			
Matrix Spike (2614065-MS1)					Source: E603366-13		Prepared: 04/01/26 Analyzed: 04/01/26		
Chloride	262	20.0	250	ND	105	80-120			
Matrix Spike Dup (2614065-MSD1)					Source: E603366-13		Prepared: 04/01/26 Analyzed: 04/01/26		
Chloride	262	20.0	250	ND	105	80-120	0.0756	20	

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



Definitions and Notes

Hilcorp Energy Co	Project Name:	Howell C #3B	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Kate Kaufman	04/02/26 12:51

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

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

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



Chain of Custody

Page 1 of 2

Client Information				Invoice Information		Lab Use Only		TAT				State									
Client: H. corp				Company: H. corp		Lab WO# E603366		Job Number 17051.0002		1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: Howell C # 3B				Address:							X			X							
Project Manager: Kate Kaufman				City, State, Zip:																	
Address:				Phone:																	
City, State, Zip:				Email:																	
Phone:				Miscellaneous:																	
Email: kkaufman@h.corp.com																					
Sample Information										Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA				
1105	3-31	soil	1x2oz	FS01		1						X						4.6			
1109				FS02		2												4.8			
1115				SW01		3												6.2			
1118				SW02		4												5.5			
1122				SW03		5												5.5			
1128				SW04		6												5.4			
1134				PH0600-6"		7												5.0			
1138	↓	↓	↓	PH0602'		8						↓						5.2			
Additional Instructions:																					
CC: shyde@ensolum.com, wweicherte@ensolum.com, zmyers@ensolum.com																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																					
Sampled by: <u>Zach Myers</u>																					
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C _____									
<u>Zach Myers</u>		3-31-26		1305		<u>Cathy Mann</u>		3-31-26		1305											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA											
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					


envirotech

Chain of Custody

Page 2 of 2

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: <u>Hilcorp</u>				Company: <u>Hilcorp</u>		Lab WO# <u>EL033660</u>		Job Number <u>17051.0002</u>		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: <u>Howell C# 3B</u>				Address:							☒			☒			
Project Manager: <u>Kate Kaufman</u>				City, State, Zip:													
Address:				Phone:													
City, State, Zip:				Email:													
Phone:				Miscellaneous:													
Email: <u>kkaufman@hilcorp.com</u>																	

Sample Information						Analysis and Method										EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	
1144	3-31	soil	1x2oz	PH07e0-6"		9						X						5.6
1150				PH07e2'		10												5.4
1152				PH07e4'		11												5.8
1158				S2e0-6"		12												5.5
1202				S2e2'		13												5.3

Additional Instructions:
cc: shyde@onsolum.com, wweicherte@onsolum.com, zmyers@onsolum.com

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

Sampled by: Zach Myers

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: ☒ Y / ☐ N T1 _____ T2 _____ T3 _____ AVG Temp °C _____
<u>Zach Myers</u>	3-31-26	1305	<u>Carla Maus</u>	3-31-26	1305	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____

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


envirotech

Envirotech Analytical Laboratory

Printed: 3/31/2026 1:17:42PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Hilcorp Energy Co	Date Received:	03/31/26 13:05	Work Order ID:	E603366
Phone:	505-599-3400	Date Logged In:	03/31/26 13:12	Logged In By:	Caitlin Mars
Email:	kkaufman@hilcorp.com	Due Date:	04/02/26 17:00 (2 day TAT)		

Chain of Custody (COC)

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

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

Carrier: Zach MyersComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



APPENDIX D

Photographic Log



Photographic Log
Hilcorp Energy Company
Howell C #3B
San Juan County, New Mexico



Photograph: 1 Date: 02/19/2026
Description: Excavation around leaking pipeline
View: Southwest



Photograph: 2 Date: 02/19/2026
Description: Stained soil sampled as DS01
View: North



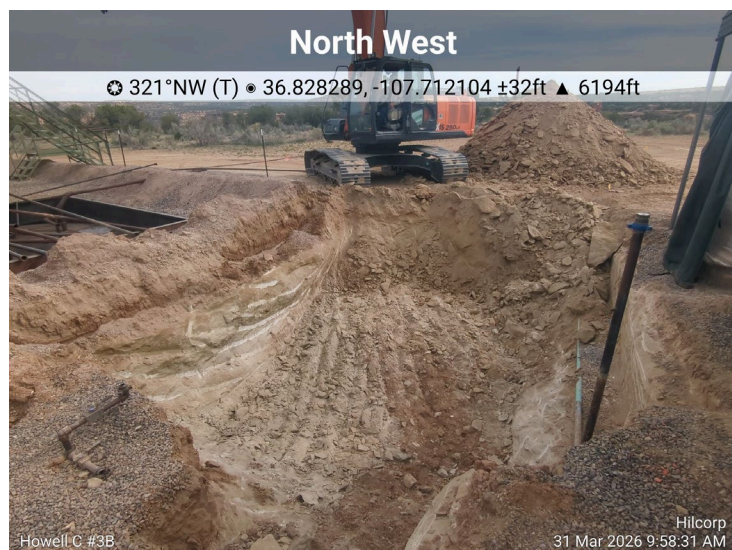
Photograph: 3 Date: 02/19/2026
Description: Location of PH01 in excavation
View: West



Photograph: 4 Date: 02/19/2026
Description: Location of PH02 in excavation
View: West



Photographic Log
Hilcorp Energy Company
Howell C #3B
San Juan County, New Mexico



Photograph: 5
 Description: Finished excavation extent

Date: 03/31/2026

View: Northwest



Photograph: 6
 Description: PH06 location

Date: 03/31/2026

View: Southwest



Photograph: 7
 Description: PH07 location

Date: 03/31/2026

View: Northwest



Photograph: 8
 Description: Sample S-2 location

Date: 03/31/2026

View: South

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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 578785

QUESTIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 578785
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2607525072
Incident Name	NAPP2607525072 HOWELL C #3B @ 30-045-30325
Incident Type	Other
Incident Status	Remediation Closure Report Received
Incident Well	[30-045-30325] HOWELL C #003B

Location of Release Source

Please answer all the questions in this group.

Site Name	Howell C #3B
Date Release Discovered	03/04/2026
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

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

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Other Pipeline (Any) Produced Water Released: 0 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 0 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)	Historical release observed at wellsite. Analytical data received on March 4 confirmed a release had occurred. Delineation ongoing.

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QUESTIONS, Page 2

Action 578785

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 578785
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 04/24/2026
--	--

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QUESTIONS, Page 3

Action 578785

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 578785
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Attached Document
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 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	Between 1 and 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	None
A 100-year floodplain	Between 1000 (ft.) and ½ (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<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)	22.1
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	9630
GRO+DRO (EPA SW-846 Method 8015M)	8700
BTEX (EPA SW-846 Method 8021B or 8260B)	502
Benzene (EPA SW-846 Method 8021B or 8260B)	6

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

On what estimated date will the remediation commence	03/31/2026
On what date will (or did) the final sampling or liner inspection occur	03/31/2026
On what date will (or was) the remediation complete(d)	03/31/2026
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	280
What is the estimated volume (in cubic yards) that will be remediated	80

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 578785

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 578785
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112336756 ENVIROTECH LANDFARM #2
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 04/24/2026
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 578785

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 578785
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 578785

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 578785
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	567215
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/01/2026
What was the (estimated) number of samples that were to be gathered	20
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	280
What was the total volume (cubic yards) remediated	80
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)	None
<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: 04/24/2026

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QUESTIONS, Page 7

Action 578785

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 578785
	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 578785

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 578785
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	6/17/2026