ENSOLUM

September 2, 2025

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

Re: Remediation Report and Closure Request
Moore LS 6B
Incident Number: nAPP2206056316
San Juan County, New Mexico
Hilcorp Energy Company

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Hilcorp Energy Company (Hilcorp), presents this *Remediation Report and Closure Request* for the Moore LS 6B natural gas production well (Site). The Site is located on private land in Section 25, Township 32 North, Range 12 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 a condensate release.

SITE BACKGROUND

On February 14, 2022, Hilcorp discovered two bullet holes in the 268-barrel (bbl) condensate aboveground storage tank (AST) located within a bermed secondary containment at the Site (Figure 2). Based on tank-gauging data and the volume of fluid remaining in the tank, approximately 42 bbls of condensate were released from the tank and remained within the limits of the earthen secondary containment berm on the production pad. No fluids were recovered from the release. The initial footprint of visibly impacted soil was approximately 40 feet by 25 feet in lateral extent. Hilcorp provided verbal notification to the New Mexico Oil Conservation Division (NMOCD) on February 15, 2022, and submitted the initial C-141 on March 1, 2022.

Following the discovery of the release, Ensolum performed delineation activities at the Site to assess the vertical and lateral extent of impacts. Details regarding the delineation activities were provided in the *Site Characterization Report and Remediation Work Plan* prepared by Ensolum and dated July 8, 2022. Based on the Site characterization information presented in the July 8, 2022 report, the following Closure Criteria were applied based on the *Table I, Closure Criteria for Soils Impacted by a Release* presented in Title 19, Chapter 15, Part 29, Subpart 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC):

- Chloride: 10,000 milligrams per kilogram (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-GRO + TPH-DRO: 1,000 mg/kg
- A combination of benzene, toluene, ethylbenzene, and xylenes (BTEX): 50 mg/kg
- Benzene: 10 mg/kg

2025 SITE REMEDIATION AND SOIL SAMPLING ACTIVITIES

As presented in Ensolum's *2024 Updated Remediation Work Plan,* dated June 24, 2025, Hilcorp proposed to remediate impacted Site soil through the operation of a small landfarm located at the Site. With approval from the landowner and the NMOCD Permitting Group, the small landfarm was constructed in accordance with 19.15.36 NMAC. Once constructed, impacted soil was excavated and placed into the small landfarm for treatment. During excavation activities, Ensolum personnel field screened soil for the presence of volatile organic compounds (VOCs) using a calibrated photoionization detector (PID) until field screening indicated impacted soil had been removed from the excavation.

Initial confirmation soil samples of the excavation floor and sidewalls were collected on May 13, 2025. Five-point composite soil samples were collected from the floor and sidewalls of the excavation at a frequency of one sample for every 200 square feet (sidewalls samples SW01 through SW15 and floor samples FS01 through FS09). Additionally, two discrete grab soil samples were collected from wet and/or discolored soil in the excavation sidewall (DS01 and DS02). 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. As approved by the NMOCD (Appendix B), soil samples were submitted to Envirotech Analytical Laboratory (Envirotech) and only analyzed for TPH following United States Environmental Protection Agency (EPA) Method 8015M/D and BTEX following EPA Method 8021B during confirmation sampling.

Analytical results from the May 13, 2025, sampling event indicated concentrations of TPH and BTEX were compliant with NMOCD Table I Closure Criteria and the reclamation requirement in all confirmation samples with the exception of samples SW06, SW14, SW15, and DS02. Because of the exceedances, additional soil was removed from the southwest side of the excavation. Based on impacts observed as additional soil was removed, a pothole was advanced in the center of the impacted soil and two additional discrete grab samples were collected on May 27 and May 28, 2025, at DS-3 and DS-4, respectively. Results confirmed the excavation needed to be advanced to depths below 20 feet below ground surface (bgs). As such, GEOMAT, Inc. developed a *Remediation Dig Excavation Plan* in order to safely remove soils at depths greater than 20 feet bgs.

Based on the analytical results from samples DS-3 and DS-4, the excavation was advanced to 30 feet bgs in the area of these samples to remove additional impacted soil. The excavation extent is shown on Figure 2 and the deeper excavation to 30 feet is indicated on the figure as the "inner excavation". On July 3, 2025, Ensolum was on-Site to field screen soil using a PID. Once field screening indicated impacted soil was removed, additional five-point composite soil samples were collected from the floor (FS10 through FS13) and sidewalls (SW16 through SW18 and SS01 through SS08) of the excavation at a frequency not exceeding one sample per 200 square feet. The soil samples were submitted to Envirotech for analysis of TPH and BTEX using the methods described above.

Analytical results from the final excavation extent indicated concentrations of TPH and BTEX were compliant with NMOCD Table I Closure Criteria and the reclamation requirement (in soils within the top 4 feet bgs) in all confirmation samples. In total, approximately 850 cubic yards of impacted soil was removed and treated in the Site small landfarm. Soil sample results are summarized in Table 1, with complete laboratory analytical reports attached as Appendix A. Sampling notifications provided to the NMOCD are attached as Appendix B. Photographs of the final

excavation extent, taken by Ensolum once excavation work was complete, are presented in Appendix C.

LANDFARM OPERATION, SAMPLING, AND RESULTS

As approved by the NMOCD, impacted soils were treated in an on-Site small landfarm. Impacted soils were spread across an area of approximately 40,000 square feet in a thickness not exceeding 8 inches. The landfarm soils were disked at least once per month. Once field screening indicated soils had likely been successfully treated, and based on the NMOCD conditions of approval provided in an email dated June 17, 2025, treatment zone soils were sampled at a frequency of one composite soil sample for every 50 cubic yards of treated soil. Based on the size of the small landfarm (40,000 square feet) and the depth of treatment zone soils (8 inches), soil samples were collected at a frequency of one 5-point composite sample for every 2,000 square feet.

A total of 20 composite samples were collected from treatment zone soils on August 20, 2025, in the same manner as described above. Samples were submitted to Envirotech for laboratory analysis of TPH, BTEX, and chloride. Analytical results indicate all landfarm samples were compliant with the Small Landfarm Closure Performance Standards presented in 19.15.36.16.E NMAC. Results are summarized in Table 2, with complete laboratory reports included in Appendix D.

Because all landfarm closure samples were compliant with the applicable small landfarm closure standards and NMOCD Table I Closure Criteria, treated soil will be used to backfill the open excavation. Landfarm sampling areas with soil concentrations exceeding the reclamation requirement will be used for backfill at depths greater than 4 feet bgs in the excavation.

CLOSURE REQUEST

Site excavation and sampling activities were conducted at the Site to address the release discovered on February 14, 2022, at the Site. Laboratory analytical results for the excavation confirmation soil samples, collected from the final excavation extent, indicated all contaminants of concern (COCs) concentrations were compliant with the Site Closure Criteria and the reclamation requirement, and no further remediation is required. Confirmation sampling of soil within the landfarm has verified COCs have been effectively remediated through volatilization, photo-oxidation, and microbial degradation and the soil is available for backfill material within the excavation. Based excavation and treatment of impacted soil on-Site, remedial actions have been protective of human health, the environment, and groundwater. As such, Hilcorp respectfully requests closure for Incident Number nAPP2206056316.

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

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Attachments:

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

Table 1: Excavation Soil Sample Analytical Results
Table 2: Small Landfarm Closure Soil Sample Analytical Results

Appendix A: Excavation Soil Laboratory Analytical Reports
Appendix B: Agency Correspondence
Appendix C: Photographic Log
Appendix D: Small Landfarm Closure Soil Sample Laboratory Analytical Reports

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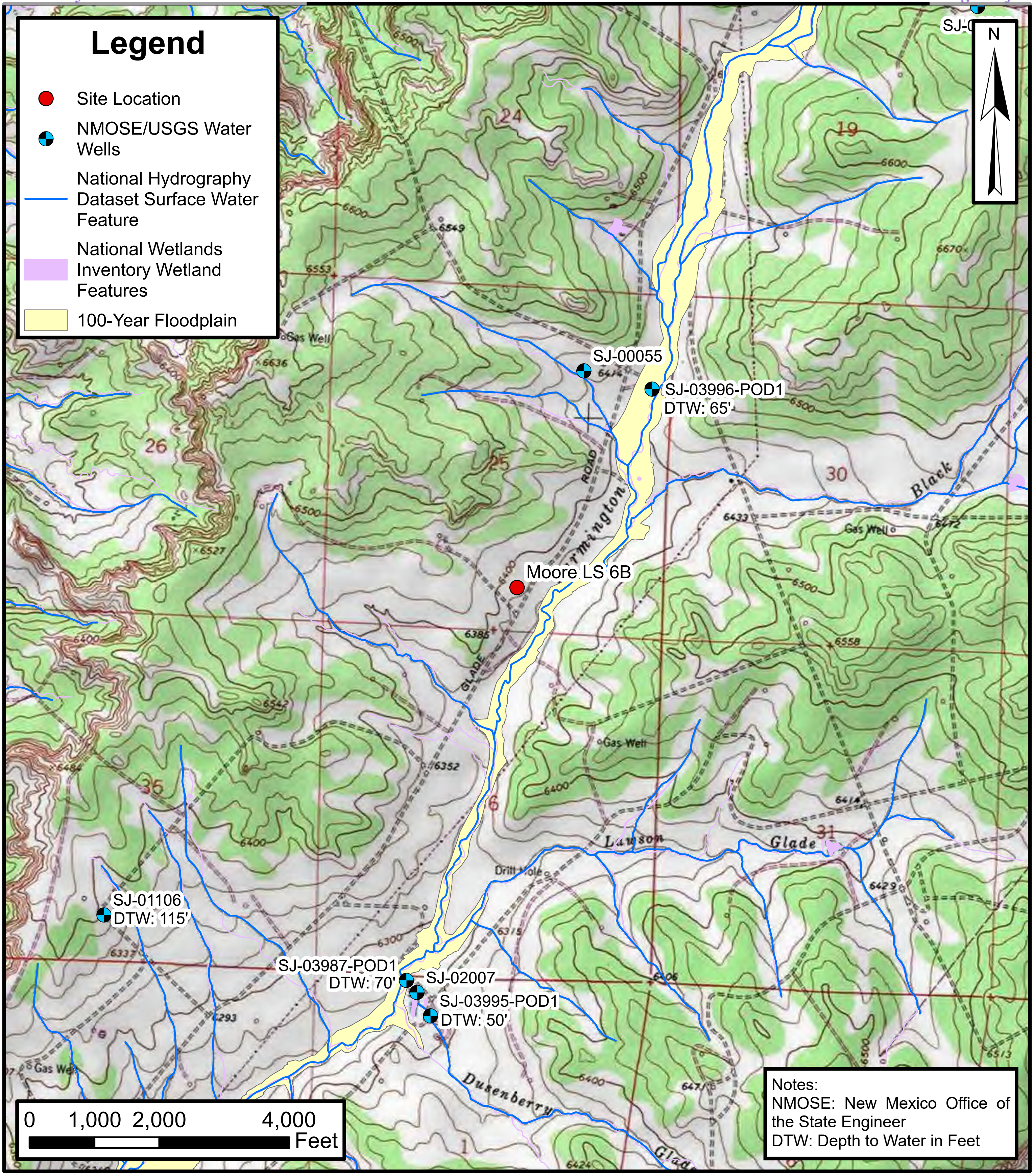
FIGURES



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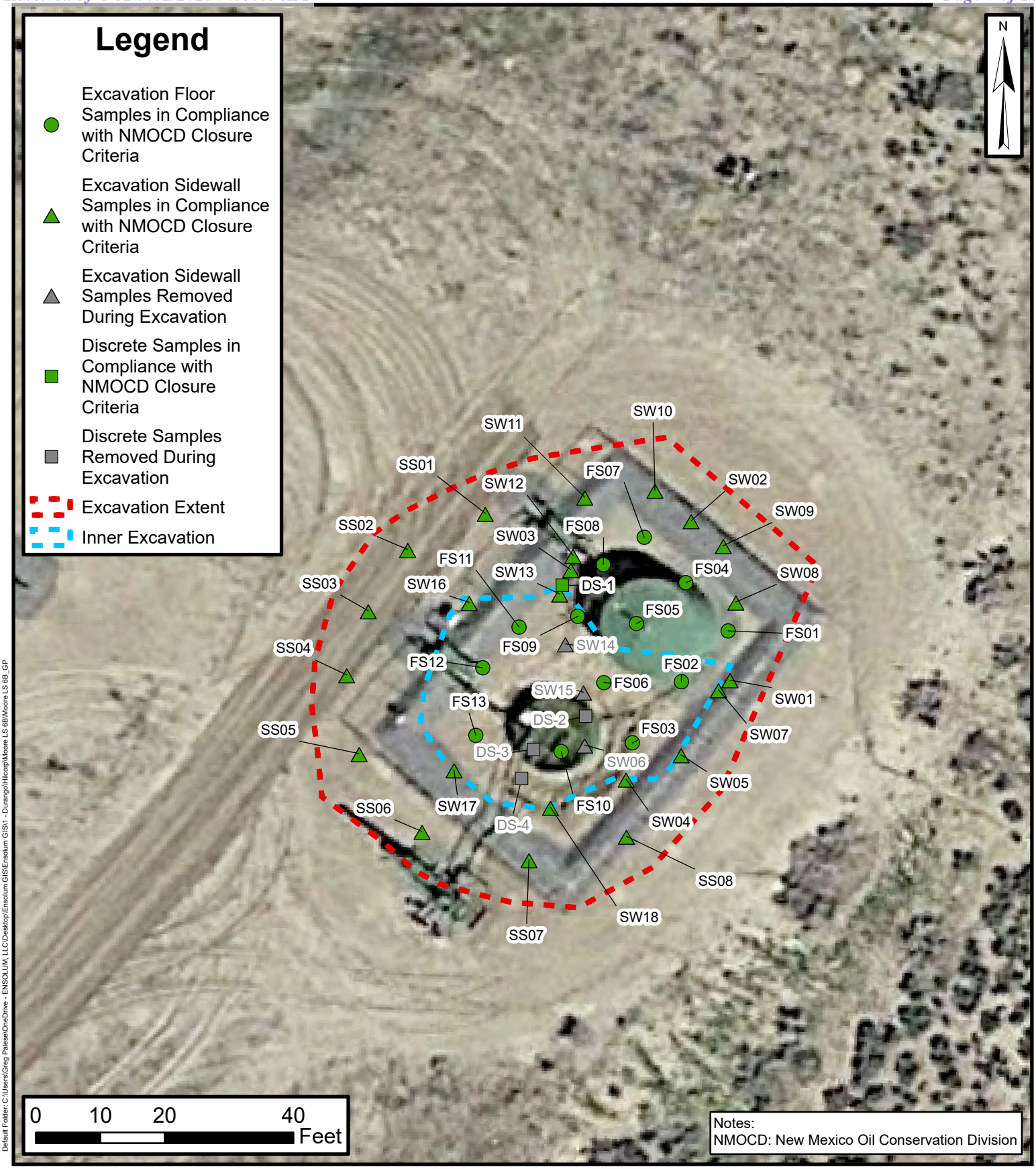
Site Location Map

Moore LS 6B
Hilcorp Energy Company
36.951020, -108.045799
San Juan County, New Mexico

FIGURE
1

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



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Excavation Soil Sample Locations

Moore LS 6B
Hilcorp Energy Company
36.951020, -108.045799
San Juan County, New Mexico

FIGURE
2

Sources: Google Earth (2019)

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TABLE

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TABLE 1
EXCAVATION SOIL SAMPLE ANALYTICAL RESULTS
Moore LS 6B
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)
NMOCD Closure Criteria for Soils Impacted by a Release			NE	**10**	NE	NE	NE	**50**	NE	NE	NE	**1,000**	**2,500**
Confirmation Floor Samples													
FS01	5/13/2025	19'-20'	958	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0
FS02	5/13/2025	19'-20'	744	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0
FS03	5/13/2025	19'-20'	1618	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0
FS04	5/13/2025	19'-20'	367	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0
FS05	5/13/2025	19'-20'	1,079	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0
FS06	5/13/2025	19'-20'	1,341	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0
FS07	5/13/2025	19'-20'	1,222	<0.0250	<0.0250	<0.0250	0.0820	0.0820	<20.0	<25.0	<50.0	<25.0	<50.0
FS08	5/13/2025	19'-20'	1,947	<0.0250	<0.0250	<0.0250	0.0685	0.0685	<20.0	<25.0	<50.0	<25.0	<50.0
FS09	5/13/2025	19'-20'	769	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0
FS10	7/3/2025	28'	--	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	105	<50.0	105	105
FS11	7/3/2025	30'	--	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0
FS12	7/3/2025	30'	--	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0
FS13	7/3/2025	30'	--	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0
Confirmation Sidewall Samples													
SW01	5/13/2025	0'-4'	14.6	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0
SW02	5/13/2025	0'-4'	238	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0
SW03	5/13/2025	0'-4'	166	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0
SW04	5/13/2025	4'-20'	84.6	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0
SW05	5/13/2025	4'-20'	166	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0
~~SW06~~	~~5/13/2025~~	~~4'-20'~~	~~1,678~~	~~<0.0250~~	~~1.24~~	~~0.613~~	~~9.27~~	~~11.1~~	~~126~~	~~113~~	~~<50.0~~	~~239~~	~~239~~
SW07	5/13/2025	4'-20'	373	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0
SW08	5/13/2025	4'-20'	168	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0
SW09	5/13/2025	4'-20'	247	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0
SW10	5/13/2025	4'-20'	426	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0
SW11	5/13/2025	4'-20'	311	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0
SW12	5/13/2025	4'-20'	1,213	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0
SW13	5/13/2025	4'-20'	1,008	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0
~~SW14~~	~~5/13/2025~~	~~4'-20'~~	~~1,469~~	~~<0.0250~~	~~16.2~~	~~8.86~~	~~137~~	~~**162**~~	~~1900~~	~~1070~~	~~<50.0~~	~~**2,970**~~	~~**2,970**~~
~~SW15~~	~~5/13/2025~~	~~4'-20'~~	~~--~~	~~0.167~~	~~15.3~~	~~8.48~~	~~124~~	~~**148**~~	~~1590~~	~~1100~~	~~<50.0~~	~~**2,690**~~	~~**2,690**~~
SW16	7/3/2025	25'-30'	--	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0
SW17	7/3/2025	22'-30'	--	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0
SW18	7/3/2025	20'-30'	--	<0.0250	<0.0250	0.0387	0.608	0.647	<20.0	99.8	<50.0	99.8	99.8
SS01	7/3/2025	0'-25'	--	<0.0250	<0.0250	0.0256	<0.0250	0.0256	<20.0	<25.0	<50.0	<25.0	<50.0
SS02	7/3/2025	0'-25'	--	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0
SS03	7/3/2025	0'-25'	--	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0
SS04	7/3/2025	0'-25'	--	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0
SS05	7/3/2025	0'-22'	--	<0.0250	0.0282	0.0336	<0.0250	0.0618	<20.0	<25.0	<50.0	<25.0	<50.0
SS06	7/3/2025	0'-22'	--	<0.0250	0.0274	<0.0250	<0.0250	0.0274	<20.0	<25.0	<50.0	<25.0	<50.0
SS07	7/3/2025	0'-20'	--	<0.0250	0.0847	<0.0250	<0.0250	0.0847	<20.0	<25.0	<50.0	<25.0	<50.0
SS08	7/3/2025	0'-18'	--	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0
Discrete Grab Samples													
DS01	5/13/2025	2'	68.4	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0
~~DS02~~	~~5/13/2025~~	~~3'~~	~~18.72~~	~~<0.125~~	~~5.15~~	~~2.78~~	~~77.5~~	~~**85.4**~~	~~1,110~~	~~696~~	~~<50.0~~	~~**1,806**~~	~~1,806~~
~~DS-3~~	~~5/27/2025~~	~~19'~~	~~1,960~~	~~<1.25~~	~~56.8~~	~~19.6~~	~~287~~	~~**363**~~	~~3,090~~	~~1,750~~	~~<50.0~~	~~**4,840**~~	~~**4,840**~~
~~DS-4~~	~~5/28/2025~~	~~28'~~	~~2,287~~	~~5.80~~	~~168~~	~~37.3~~	~~501~~	~~**712**~~	~~3,760~~	~~1,770~~	~~<50.0~~	~~**5,530**~~	~~**5,530**~~

Notes:

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

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TABLE 2
SMALL LANDFARM CLOSURE SOIL SAMPLE ANALYTICAL RESULTS
Moore LS 6B
Hillcorp Energy Company
San Juan, New Mexico

Sample Identification	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Small Landfarm Closure Performance Standards			**0.2**	NE	NE	NE	**50**	NE	NE	NE	**500**	**2,500**	**500**
CS01	8/20/2025	0 - 0.5	<0.0250	<0.0250	<0.0250	<0.0500	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
CS02	8/20/2025	0 - 0.5	<0.0250	<0.0250	<0.0250	<0.0500	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
CS03	8/20/2025	0 - 0.5	<0.0250	<0.0250	<0.0250	<0.0500	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
CS04	8/20/2025	0 - 0.5	<0.0250	<0.0250	<0.0250	<0.0500	<0.0500	<20.0	34.7	<50.0	34.7	34.7	<20.0
CS05	8/20/2025	0 - 0.5	<0.0250	<0.0250	<0.0250	<0.0500	<0.0500	<20.0	28.3	<50.0	28.3	28.3	<20.0
CS06	8/20/2025	0 - 0.5	<0.0250	<0.0250	<0.0250	<0.0500	<0.0500	<20.0	62.0	<50.0	62.0	62.0	<20.0
CS07	8/20/2025	0 - 0.5	<0.0250	<0.0250	<0.0250	<0.0500	<0.0500	<20.0	87.6	<50.0	87.6	87.6	<20.0
CS08	8/20/2025	0 - 0.5	<0.0250	<0.0250	<0.0250	<0.0500	<0.0500	<20.0	56.8	<50.0	56.8	56.8	<20.0
CS09	8/20/2025	0 - 0.5	<0.0250	<0.0250	<0.0250	<0.0500	<0.0500	<20.0	41.9	<50.0	41.9	41.9	<20.0
CS10	8/20/2025	0 - 0.5	<0.0250	<0.0250	<0.0250	<0.0500	<0.0500	<20.0	78.7	<50.0	78.7	78.7	<20.0
CS11	8/20/2025	0 - 0.5	<0.0250	<0.0250	<0.0250	<0.0500	<0.0500	<20.0	182	<50.0	182	182	<20.0
CS12	8/20/2025	0 - 0.5	<0.0250	<0.0250	<0.0250	<0.0500	<0.0500	<20.0	215	<50.0	215	215	<20.0
CS13	8/20/2025	0 - 0.5	<0.0250	<0.0250	<0.0250	<0.0500	<0.0500	<20.0	175	<50.0	175	175	<20.0
CS14	8/20/2025	0 - 0.5	<0.0250	<0.0250	<0.0250	<0.0500	<0.0500	<20.0	29.3	<50.0	29.3	29.3	<20.0
CS15	8/20/2025	0 - 0.5	<0.0250	<0.0250	<0.0250	<0.0500	<0.0500	<20.0	69.1	<50.0	69.1	69.1	<20.0
CS16	8/20/2025	0 - 0.5	<0.0250	<0.0250	<0.0250	<0.0500	<0.0500	<20.0	30.4	<50.0	30.4	30.4	<20.0
CS17	8/20/2025	0 - 0.5	<0.0250	<0.0250	<0.0250	0.701	0.701	34.2	99.7	<50.0	134	134	<20.0
CS18	8/20/2025	0 - 0.5	<0.0250	<0.0250	<0.0250	<0.0500	<0.0500	<20.0	79.5	<50.0	79.5	79.5	<20.0
CS19	8/20/2025	0 - 0.5	<0.0250	<0.0250	<0.0250	<0.0500	<0.0500	<20.0	53.7	<50.0	53.7	53.7	<20.0
CS20	8/20/2025	0 - 0.5	<0.0250	<0.0250	<0.0250	<0.0500	<0.0500	<20.0	79.6	<50.0	79.6	79.6	<20.0

Notes:

bgs: Below ground surface
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
mg/kg: Milligrams per kilogram
NE: Not Established
NMOCD: New Mexico Oil Conservation Division
< : Indicates result less than the stated laboratory reporting limit (RL)
GRO: Gasoline Range Organics
DRO: Diesel Range Organics
MRO: Motor Oil/Lube Oil Range Organics
TPH: Total Petroleum Hydrocarbon
': Feet

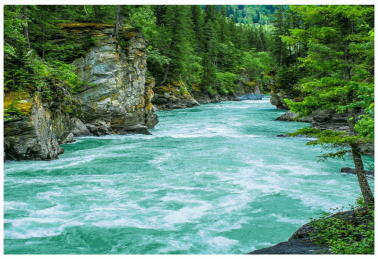
ENSOLUM

APPENDIX A

Excavation Soil Laboratory Analytical Results

Report to:

Mitch Killough



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Practical Solutions for a Better Tomorrow

Analytical Report

Hilcorp Energy Co

Project Name:	Moore LS B6
Work Order:	E505148
Job Number:	17051-0002
Received:	5/13/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/21/25

Date Reported: 5/21/25

Mitch Killough
PO Box 61529
Houston, TX 77208

Project Name: Moore LS B6
Workorder: E505148
Date Received: 5/13/2025 2:25:00PM

Mitch Killough,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/13/2025 2:25:00PM, under the Project Name: Moore LS B6.

The analytical test results summarized in this report with the Project Name: Moore LS B6 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Table of Contents

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Sample Summary

Hilcorp Energy Co	Project Name:	Moore LS B6	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Mitch Killough	05/21/25 11:56

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW01	E505148-01A	Soil	05/13/25	05/13/25	Glass Jar, 4 oz.
SW02	E505148-02A	Soil	05/13/25	05/13/25	Glass Jar, 4 oz.
SW03	E505148-03A	Soil	05/13/25	05/13/25	Glass Jar, 4 oz.
SW04	E505148-04A	Soil	05/13/25	05/13/25	Glass Jar, 4 oz.
SW05	E505148-05A	Soil	05/13/25	05/13/25	Glass Jar, 4 oz.
SW06	E505148-06A	Soil	05/13/25	05/13/25	Glass Jar, 4 oz.
SW07	E505148-07A	Soil	05/13/25	05/13/25	Glass Jar, 4 oz.
SW08	E505148-08A	Soil	05/13/25	05/13/25	Glass Jar, 4 oz.
SW09	E505148-09A	Soil	05/13/25	05/13/25	Glass Jar, 4 oz.
SW10	E505148-10A	Soil	05/13/25	05/13/25	Glass Jar, 4 oz.
SW11	E505148-11A	Soil	05/13/25	05/13/25	Glass Jar, 4 oz.
SW12	E505148-12A	Soil	05/13/25	05/13/25	Glass Jar, 4 oz.
SW13	E505148-13A	Soil	05/13/25	05/13/25	Glass Jar, 4 oz.
SW14	E505148-14A	Soil	05/13/25	05/13/25	Glass Jar, 4 oz.
SW15	E505148-15A	Soil	05/13/25	05/13/25	Glass Jar, 4 oz.
FS01	E505148-16A	Soil	05/13/25	05/13/25	Glass Jar, 4 oz.
FS02	E505148-17A	Soil	05/13/25	05/13/25	Glass Jar, 4 oz.
FS03	E505148-18A	Soil	05/13/25	05/13/25	Glass Jar, 4 oz.
FS04	E505148-19A	Soil	05/13/25	05/13/25	Glass Jar, 4 oz.
FS05	E505148-20A	Soil	05/13/25	05/13/25	Glass Jar, 4 oz.
FS06	E505148-21A	Soil	05/13/25	05/13/25	Glass Jar, 4 oz.
FS07	E505148-22A	Soil	05/13/25	05/13/25	Glass Jar, 4 oz.
FS08	E505148-23A	Soil	05/13/25	05/13/25	Glass Jar, 4 oz.
FS09	E505148-24A	Soil	05/13/25	05/13/25	Glass Jar, 4 oz.
DS01	E505148-25A	Soil	05/13/25	05/13/25	Glass Jar, 4 oz.
DS02	E505148-26A	Soil	05/13/25	05/13/25	Glass Jar, 4 oz.

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS B6	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	5/21/2025 11:56:30AM

SW01

E505148-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.7 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520059
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/14/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*05/13/25*	*05/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520063
Chloride	ND	20.0	1	05/14/25	05/15/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS B6	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	5/21/2025 11:56:30AM

SW02

E505148-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.3 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520059
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/14/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*05/13/25*	*05/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520063
Chloride	ND	20.0	1	05/14/25	05/15/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS B6	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	5/21/2025 11:56:30AM

SW03

E505148-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.0 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520059
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/14/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*05/13/25*	*05/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520063
Chloride	ND	20.0	1	05/14/25	05/15/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS B6	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	5/21/2025 11:56:30AM

SW04

E505148-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.3 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520059
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/14/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*05/13/25*	*05/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520063
Chloride	ND	20.0	1	05/14/25	05/15/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS B6	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	5/21/2025 11:56:30AM

SW05

E505148-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.5 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520059
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/14/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*05/13/25*	*05/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520063
Chloride	ND	20.0	1	05/14/25	05/15/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS B6	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	5/21/2025 11:56:30AM

SW06

E505148-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	**0.613**	0.0250	1	05/13/25	05/15/25	
Toluene	**1.24**	0.0250	1	05/13/25	05/15/25	
o-Xylene	**1.87**	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	**7.41**	0.0500	1	05/13/25	05/15/25	
Total Xylenes	**9.27**	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Gasoline Range Organics (C6-C10)	**126**	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*120 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520059
Diesel Range Organics (C10-C28)	**113**	25.0	1	05/13/25	05/14/25	T9
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/14/25	
Surrogate: n-Nonane		*123 %*	*61-141*	*05/13/25*	*05/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520063
Chloride	ND	20.0	1	05/14/25	05/15/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS B6	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	5/21/2025 11:56:30AM

SW07

E505148-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.8 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520059
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/14/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*05/13/25*	*05/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520063
Chloride	ND	20.0	1	05/14/25	05/15/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS B6	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	5/21/2025 11:56:30AM

SW08

E505148-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.8 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520059
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/14/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*05/13/25*	*05/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520063
Chloride	ND	20.0	1	05/14/25	05/15/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS B6	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	5/21/2025 11:56:30AM

SW09

E505148-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*109 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.7 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520059
Diesel Range Organics (C10-C28)	**29.7**	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/15/25	
Surrogate: n-Nonane		*125 %*	*61-141*	*05/13/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520063
Chloride	ND	20.0	1	05/14/25	05/15/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS B6	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	5/21/2025 11:56:30AM

SW10

E505148-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*111 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.3 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520059
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/15/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*05/13/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520063
Chloride	ND	20.0	1	05/14/25	05/15/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS B6	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	5/21/2025 11:56:30AM

SW11

E505148-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.8 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520059
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/15/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*05/13/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520063
Chloride	ND	20.0	1	05/14/25	05/15/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS B6	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	5/21/2025 11:56:30AM

SW12

E505148-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.0 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520059
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/15/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*05/13/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520063
Chloride	ND	20.0	1	05/14/25	05/15/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS B6	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	5/21/2025 11:56:30AM

SW13

E505148-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.7 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520059
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/15/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*05/13/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520063
Chloride	ND	20.0	1	05/14/25	05/15/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS B6	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	5/21/2025 11:56:30AM

SW14

E505148-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Benzene	ND	0.250	10	05/13/25	05/15/25	
Ethylbenzene	**8.86**	0.250	10	05/13/25	05/15/25	
Toluene	**16.2**	0.250	10	05/13/25	05/15/25	
o-Xylene	**27.7**	0.250	10	05/13/25	05/15/25	
p,m-Xylene	**109**	0.500	10	05/13/25	05/15/25	
Total Xylenes	**137**	0.250	10	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*197 %*	*70-130*	*05/13/25*	*05/15/25*	*S5*
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Gasoline Range Organics (C6-C10)	**1900**	200	10	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*285 %*	*70-130*	*05/13/25*	*05/15/25*	*S5*
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520059
Diesel Range Organics (C10-C28)	**1070**	25.0	1	05/13/25	05/15/25	T9
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/15/25	
Surrogate: n-Nonane		*394 %*	*61-141*	*05/13/25*	*05/15/25*	*S5*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520063
Chloride	ND	20.0	1	05/14/25	05/15/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS B6	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	5/21/2025 11:56:30AM

SW15

E505148-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Benzene	**0.167**	0.125	5	05/13/25	05/21/25	
Ethylbenzene	**8.48**	0.125	5	05/13/25	05/21/25	
Toluene	**15.3**	0.125	5	05/13/25	05/21/25	
o-Xylene	**25.2**	0.125	5	05/13/25	05/21/25	
p,m-Xylene	**98.8**	0.250	5	05/13/25	05/21/25	
Total Xylenes	**124**	0.125	5	05/13/25	05/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*05/13/25*	*05/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Gasoline Range Organics (C6-C10)	**1590**	100	5	05/13/25	05/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*157 %*	*70-130*	*05/13/25*	*05/21/25*	*S5*
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520059
Diesel Range Organics (C10-C28)	**1100**	25.0	1	05/13/25	05/15/25	T9
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/15/25	
Surrogate: n-Nonane		*414 %*	*61-141*	*05/13/25*	*05/15/25*	*S5*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520063
Chloride	ND	20.0	1	05/14/25	05/15/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS B6	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	5/21/2025 11:56:30AM

FS01

E505148-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Benzene	ND	0.0250	1	05/13/25	05/21/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/21/25	
Toluene	ND	0.0250	1	05/13/25	05/21/25	
o-Xylene	ND	0.0250	1	05/13/25	05/21/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/21/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*05/13/25*	*05/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.9 %*	*70-130*	*05/13/25*	*05/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520059
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/15/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*05/13/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520063
Chloride	ND	20.0	1	05/14/25	05/15/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS B6	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	5/21/2025 11:56:30AM

FS02

E505148-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.3 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.7 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520059
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/15/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*05/13/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520063
Chloride	ND	20.0	1	05/14/25	05/15/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS B6	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	5/21/2025 11:56:30AM

FS03

E505148-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.3 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520059
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/15/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*05/13/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520063
Chloride	ND	20.0	1	05/14/25	05/15/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS B6	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	5/21/2025 11:56:30AM

FS04

E505148-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.4 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.9 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520059
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/15/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*05/13/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520063
Chloride	ND	20.0	1	05/14/25	05/15/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS B6	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	5/21/2025 11:56:30AM

FS05

E505148-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520062
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.7 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520059
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/15/25	
Surrogate: n-Nonane		*98.3 %*	*61-141*	*05/13/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520063
Chloride	ND	20.0	1	05/14/25	05/15/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS B6	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	5/21/2025 11:56:30AM

FS06

E505148-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520045
Benzene	ND	0.0250	1	05/13/25	05/14/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/14/25	
Toluene	ND	0.0250	1	05/13/25	05/14/25	
o-Xylene	ND	0.0250	1	05/13/25	05/14/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/14/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*83.4 %*	*70-130*	*05/13/25*	*05/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520045
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.8 %*	*70-130*	*05/13/25*	*05/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520060
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/14/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*05/13/25*	*05/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2520057
Chloride	ND	20.0	1	05/13/25	05/14/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS B6	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	5/21/2025 11:56:30AM

FS07

E505148-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520045
Benzene	ND	0.0250	1	05/13/25	05/14/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/14/25	
Toluene	ND	0.0250	1	05/13/25	05/14/25	
o-Xylene	**0.0261**	0.0250	1	05/13/25	05/14/25	
p,m-Xylene	**0.0560**	0.0500	1	05/13/25	05/14/25	
Total Xylenes	**0.0820**	0.0250	1	05/13/25	05/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.9 %*	*70-130*	*05/13/25*	*05/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520045
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*102 %*	*70-130*	*05/13/25*	*05/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520060
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/14/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*05/13/25*	*05/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2520057
Chloride	ND	20.0	1	05/13/25	05/14/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS B6	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	5/21/2025 11:56:30AM

FS08

E505148-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520045
Benzene	ND	0.0250	1	05/13/25	05/14/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/14/25	
Toluene	ND	0.0250	1	05/13/25	05/14/25	
o-Xylene	ND	0.0250	1	05/13/25	05/14/25	
p,m-Xylene	**0.0685**	0.0500	1	05/13/25	05/14/25	
Total Xylenes	**0.0685**	0.0250	1	05/13/25	05/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.7 %*	*70-130*	*05/13/25*	*05/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520045
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.9 %*	*70-130*	*05/13/25*	*05/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520060
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/14/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*05/13/25*	*05/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2520057
Chloride	ND	20.0	1	05/13/25	05/14/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS B6	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	5/21/2025 11:56:30AM

FS09

E505148-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520045
Benzene	ND	0.0250	1	05/13/25	05/14/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/14/25	
Toluene	ND	0.0250	1	05/13/25	05/14/25	
o-Xylene	ND	0.0250	1	05/13/25	05/14/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/14/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.0 %*	*70-130*	*05/13/25*	*05/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520045
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.2 %*	*70-130*	*05/13/25*	*05/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520060
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/14/25	
Surrogate: n-Nonane		*99.9 %*	*61-141*	*05/13/25*	*05/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2520057
Chloride	ND	20.0	1	05/13/25	05/14/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS B6	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	5/21/2025 11:56:30AM

DS01

E505148-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520045
Benzene	ND	0.0250	1	05/13/25	05/14/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/14/25	
Toluene	ND	0.0250	1	05/13/25	05/14/25	
o-Xylene	ND	0.0250	1	05/13/25	05/14/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/14/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*86.7 %*	*70-130*	*05/13/25*	*05/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520045
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.8 %*	*70-130*	*05/13/25*	*05/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520060
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/13/25	
Surrogate: n-Nonane		*99.2 %*	*61-141*	*05/13/25*	*05/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2520057
Chloride	ND	20.0	1	05/13/25	05/14/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS B6	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	5/21/2025 11:56:30AM

DS02

E505148-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520045
Benzene	ND	0.125	5	05/13/25	05/14/25	
Ethylbenzene	**2.78**	0.125	5	05/13/25	05/14/25	
Toluene	**5.15**	0.125	5	05/13/25	05/14/25	
o-Xylene	**17.4**	0.125	5	05/13/25	05/14/25	
p,m-Xylene	**60.2**	0.250	5	05/13/25	05/14/25	
Total Xylenes	**77.5**	0.125	5	05/13/25	05/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*85.8 %*	*70-130*	*05/13/25*	*05/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520045
Gasoline Range Organics (C6-C10)	**1110**	100	5	05/13/25	05/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*153 %*	*70-130*	*05/13/25*	*05/14/25*	*S5*
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520060
Diesel Range Organics (C10-C28)	**696**	25.0	1	05/13/25	05/13/25	T9
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/13/25	
Surrogate: n-Nonane		*271 %*	*61-141*	*05/13/25*	*05/13/25*	*S5*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2520057
Chloride	ND	20.0	1	05/13/25	05/14/25	

QC Summary Data

Hilcorp Energy Co	Project Name:	Moore LS B6	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Mitch Killough	5/21/2025 11:56:30AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2520045-BLK1)									Prepared: 05/13/25 Analyzed: 05/13/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.15*		*8.00*		*89.4*	*70-130*			
LCS (2520045-BS1)									Prepared: 05/13/25 Analyzed: 05/13/25
Benzene	5.02	0.0250	5.00		100	70-130			
Ethylbenzene	4.98	0.0250	5.00		99.6	70-130			
Toluene	5.02	0.0250	5.00		100	70-130			
o-Xylene	4.94	0.0250	5.00		98.7	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.0	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.11*		*8.00*		*88.9*	*70-130*			
Matrix Spike (2520045-MS1)				**Source: E505145-02**					Prepared: 05/13/25 Analyzed: 05/13/25
Benzene	4.99	0.0250	5.00	ND	99.8	70-130			
Ethylbenzene	4.96	0.0250	5.00	ND	99.2	70-130			
Toluene	4.99	0.0250	5.00	ND	99.9	70-130			
o-Xylene	4.90	0.0250	5.00	ND	97.9	70-130			
p,m-Xylene	10.0	0.0500	10.0	ND	100	70-130			
Total Xylenes	14.9	0.0250	15.0	ND	99.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.12*		*8.00*		*89.0*	*70-130*			
Matrix Spike Dup (2520045-MSD1)				**Source: E505145-02**					Prepared: 05/13/25 Analyzed: 05/13/25
Benzene	5.16	0.0250	5.00	ND	103	70-130	3.35	27	
Ethylbenzene	5.10	0.0250	5.00	ND	102	70-130	2.90	26	
Toluene	5.15	0.0250	5.00	ND	103	70-130	3.06	20	
o-Xylene	5.05	0.0250	5.00	ND	101	70-130	3.08	25	
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130	2.63	23	
Total Xylenes	15.3	0.0250	15.0	ND	102	70-130	2.78	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.17*		*8.00*		*89.6*	*70-130*			

QC Summary Data

Hilcorp Energy Co	Project Name:	Moore LS B6	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Mitch Killough	5/21/2025 11:56:30AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2520062-BLK1)									Prepared: 05/13/25 Analyzed: 05/14/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.09*		*8.00*		*101*	*70-130*			
LCS (2520062-BS1)									Prepared: 05/13/25 Analyzed: 05/14/25
Benzene	4.57	0.0250	5.00		91.5	70-130			
Ethylbenzene	4.81	0.0250	5.00		96.2	70-130			
Toluene	4.72	0.0250	5.00		94.3	70-130			
o-Xylene	4.78	0.0250	5.00		95.7	70-130			
p,m-Xylene	9.39	0.0500	10.0		93.9	70-130			
Total Xylenes	14.2	0.0250	15.0		94.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.26*		*8.00*		*103*	*70-130*			
Matrix Spike (2520062-MS1)				**Source: E505148-07**					Prepared: 05/13/25 Analyzed: 05/15/25
Benzene	4.45	0.0250	5.00	ND	88.9	70-130			
Ethylbenzene	4.68	0.0250	5.00	ND	93.5	70-130			
Toluene	4.58	0.0250	5.00	ND	91.5	70-130			
o-Xylene	4.66	0.0250	5.00	ND	93.1	70-130			
p,m-Xylene	9.13	0.0500	10.0	ND	91.3	70-130			
Total Xylenes	13.8	0.0250	15.0	ND	91.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.14*		*8.00*		*102*	*70-130*			
Matrix Spike Dup (2520062-MSD1)				**Source: E505148-07**					Prepared: 05/13/25 Analyzed: 05/15/25
Benzene	4.82	0.0250	5.00	ND	96.3	70-130	8.02	27	
Ethylbenzene	5.08	0.0250	5.00	ND	102	70-130	8.31	26	
Toluene	4.98	0.0250	5.00	ND	99.5	70-130	8.34	20	
o-Xylene	5.07	0.0250	5.00	ND	101	70-130	8.45	25	
p,m-Xylene	9.92	0.0500	10.0	ND	99.2	70-130	8.31	23	
Total Xylenes	15.0	0.0250	15.0	ND	99.9	70-130	8.36	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.09*		*8.00*		*101*	*70-130*			

QC Summary Data

Hilcorp Energy Co	Project Name:	Moore LS B6	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Mitch Killough	5/21/2025 11:56:30AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2520045-BLK1)									Prepared: 05/13/25 Analyzed: 05/13/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.79*		*8.00*		*97.3*	*70-130*			
LCS (2520045-BS2)									Prepared: 05/13/25 Analyzed: 05/13/25
Gasoline Range Organics (C6-C10)	42.6	20.0	50.0		85.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.82*		*8.00*		*97.7*	*70-130*			
Matrix Spike (2520045-MS2)				**Source: E505145-02**					Prepared: 05/13/25 Analyzed: 05/13/25
Gasoline Range Organics (C6-C10)	49.4	20.0	50.0	ND	98.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.99*		*8.00*		*99.9*	*70-130*			
Matrix Spike Dup (2520045-MSD2)				**Source: E505145-02**					Prepared: 05/13/25 Analyzed: 05/14/25
Gasoline Range Organics (C6-C10)	44.4	20.0	50.0	ND	88.7	70-130	10.7	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.90*		*8.00*		*98.8*	*70-130*			

QC Summary Data

Hilcorp Energy Co	Project Name:	Moore LS B6	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Mitch Killough	5/21/2025 11:56:30AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2520062-BLK1)									Prepared: 05/13/25 Analyzed: 05/14/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.83*		*8.00*		*85.4*	*70-130*			
LCS (2520062-BS2)									Prepared: 05/13/25 Analyzed: 05/14/25
Gasoline Range Organics (C6-C10)	49.3	20.0	50.0		98.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.26*		*8.00*		*90.8*	*70-130*			
Matrix Spike (2520062-MS2)				**Source: E505148-07**					Prepared: 05/13/25 Analyzed: 05/15/25
Gasoline Range Organics (C6-C10)	48.9	20.0	50.0	ND	97.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.35*		*8.00*		*91.9*	*70-130*			
Matrix Spike Dup (2520062-MSD2)				**Source: E505148-07**					Prepared: 05/13/25 Analyzed: 05/15/25
Gasoline Range Organics (C6-C10)	50.4	20.0	50.0	ND	101	70-130	2.95	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.92*		*8.00*		*86.6*	*70-130*			

QC Summary Data

Hilcorp Energy Co	Project Name:	Moore LS B6	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Mitch Killough	5/21/2025 11:56:30AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2520059-BLK1)									Prepared: 05/13/25 Analyzed: 05/14/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*50.3*		*50.0*		*101*	*61-141*			
LCS (2520059-BS1)									Prepared: 05/13/25 Analyzed: 05/14/25
Diesel Range Organics (C10-C28)	260	25.0	250		104	66-144			
Surrogate: n-Nonane	*49.9*		*50.0*		*99.8*	*61-141*			
Matrix Spike (2520059-MS1)				**Source: E505148-04**					Prepared: 05/13/25 Analyzed: 05/14/25
Diesel Range Organics (C10-C28)	278	25.0	250	ND	111	56-156			
Surrogate: n-Nonane	*53.4*		*50.0*		*107*	*61-141*			
Matrix Spike Dup (2520059-MSD1)				**Source: E505148-04**					Prepared: 05/13/25 Analyzed: 05/14/25
Diesel Range Organics (C10-C28)	284	25.0	250	ND	114	56-156	2.41	20	
Surrogate: n-Nonane	*52.7*		*50.0*		*105*	*61-141*			

QC Summary Data

Hilcorp Energy Co	Project Name:	Moore LS B6	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Mitch Killough	5/21/2025 11:56:30AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2520060-BLK1)									Prepared: 05/13/25 Analyzed: 05/14/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*50.5*		*50.0*		*101*	*61-141*			
LCS (2520060-BS1)									Prepared: 05/13/25 Analyzed: 05/14/25
Diesel Range Organics (C10-C28)	277	25.0	250		111	66-144			
Surrogate: n-Nonane	*50.6*		*50.0*		*101*	*61-141*			
Matrix Spike (2520060-MS1)				**Source: E505148-24**					Prepared: 05/13/25 Analyzed: 05/14/25
Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	56-156			
Surrogate: n-Nonane	*50.5*		*50.0*		*101*	*61-141*			
Matrix Spike Dup (2520060-MSD1)				**Source: E505148-24**					Prepared: 05/13/25 Analyzed: 05/14/25
Diesel Range Organics (C10-C28)	286	25.0	250	ND	114	56-156	3.93	20	
Surrogate: n-Nonane	*51.5*		*50.0*		*103*	*61-141*			

QC Summary Data

Hilcorp Energy Co	Project Name:	Moore LS B6	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Mitch Killough	5/21/2025 11:56:30AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2520057-BLK1)									Prepared: 05/13/25 Analyzed: 05/14/25
Chloride	ND	20.0							
LCS (2520057-BS1)									Prepared: 05/13/25 Analyzed: 05/14/25
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2520057-MS1)				**Source: E505117-03**					Prepared: 05/13/25 Analyzed: 05/14/25
Chloride	264	20.0	250	ND	106	80-120			
Matrix Spike Dup (2520057-MSD1)				**Source: E505117-03**					Prepared: 05/13/25 Analyzed: 05/14/25
Chloride	265	20.0	250	ND	106	80-120	0.294	20	

QC Summary Data

Hilcorp Energy Co	Project Name:	Moore LS B6	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Mitch Killough	5/21/2025 11:56:30AM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2520063-BLK1)									Prepared: 05/14/25 Analyzed: 05/15/25
Chloride	ND	20.0							
LCS (2520063-BS1)									Prepared: 05/14/25 Analyzed: 05/15/25
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2520063-MS1)				**Source: E505148-04**					Prepared: 05/14/25 Analyzed: 05/15/25
Chloride	260	20.0	250	ND	104	80-120			
Matrix Spike Dup (2520063-MSD1)				**Source: E505148-04**					Prepared: 05/14/25 Analyzed: 05/15/25
Chloride	259	20.0	250	ND	104	80-120	0.136	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:	Moore LS B6	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	05/21/25 11:56

S5	Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
T9	DRO includes undifferentiated early eluting analytes characteristic of GRO.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Hilcorp Energy	Company:	Lab WO# E505148	1D 2D 3D Std	NM CO UT TX
Project Name: Moore LS BG	Address:	Job Number 17051.0002	X	
Project Manager: Mitch Killough	City, State, Zip:			
Address:	Phone:			
City, State, Zip:	Email:			
Phone: 281-851-2336	Miscellaneous:			
Email: MKillough@hilcorp.com				

Analysis and Method / **EPA Program**

SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg			Sample Temp	Remarks
12:15	5-13	S	1	SW01		1	X	X	X		X							5.6	
12:18				SW02		2												4.8	
12:21				SW03		3												5.8	
12:24				SW04		4												5.4	
12:27				SW05		5												5.0	
12:30				SW06		6												5.2	
12:33				SW07		7												4.6	
12:36				SW08		8												5.1	
12:39				SW09		9												5.4	
12:42	↓	↓	↓	SW10		10	↓	↓	↓		↓							5.5	

Additional Instructions:

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

Sampled by: Eric Carrasco

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Eric Carrasco	5-13-25	1425	Caitlin Mann	5.13.25	1425

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

Lab Use Only
Received on ice: (Y) / N

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

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

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

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Hilcorp Energy	Company:	Lab WO# E805148	Job Number 17051.0002	1D 2D 3D Std: X	NM CO UT TX
Project Name: Moore LS BG	Address:			
Project Manager: Mitch Killough	City, State, Zip:			
Address:	Phone:			
City, State, Zip:	Email:			
Phone:	Miscellaneous:			
Email: mKillough@hilcorp.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg			Sample Temp	Remarks
1245	5-13	S	1	SW11		11	X	X	X		X							4.9	
1248				SW12		12												5.1	
1251				SW13		13												5.6	
1254				SW14		14												5.8	
1257				SW15		15												5.4	
1300				FS01		16												5.2	
1303				FS02		17												5.7	
1306				FS03		18												5.6	
1309				FS04		19												5.8	
1312	↓	↓	↓	FS05		20	↓	↓	↓		↓							5.4	

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions:

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

Sampled by: Eric Cuevas

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Eric Cuevas	5-13-25	1425	Caitlin Mar	5.13.25	1425

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

Lab Use Only

Received on ice: Y / N

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

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

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

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only		TAT	State
Client:	Company:	Lab WO# E505148	Job Number 17051-0002	1D: X / 2D / 3D / Std	NM / CO / UT / TX
Project Name:	Address:				
Project Manager:	City, State, Zip:				
Address:	Phone:				
City, State, Zip:	Email:				EPA Program: SDWA / CWA / RCRA
Phone:	Miscellaneous:				Compliance Y or N
Email:					PWSID #

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg			Samle Temp	Remarks
1315	5-13	S	1	FS06		21	X	X	X		X							5.6	
↓	↓	↓	↓	FS07		22	↓	↓	↓		↓							5.5	
↓	↓	↓	↓	FS08		23	↓	↓	↓		↓							4.8	
↓	↓	↓	↓	FS09		24	↓	↓	↓		↓							5.1	
↓	↓	↓	↓	DS01		25	↓	↓	↓		↓							5.4	
↓	↓	↓	↓	DS02		26	↓	↓	↓		↓							5.6	

Additional Instructions:

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

Sampled by: Eric Carroll

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Eric Carroll	5-13-25	1425	Caitlin Mar	5-13-25	1425

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

Lab Use Only
Received on ice: (Y) N

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

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

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

Envirotech Analytical Laboratory

Printed: 5/13/2025 2:33:23PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Hilcorp Energy Co	Date Received:	05/13/25 14:25	Work Order ID:	E505148
Phone:	-	Date Logged In:	05/13/25 14:30	Logged In By:	Caitlin Mars
Email:	mkillough@hilcorp.com	Due Date:	05/14/25 17:00 (1 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Eric Carroll
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Hilcorp Energy	Company:	Lab WO# E505148	Job Number 17051.0002	1D 2D 3D Std: ~~X~~ NS, X	NM CO UT TX
Project Name: Maple 6S BC	Address:			
Project Manager: Mitch Killough	City, State, Zip:			
Address:	Phone:			
City, State, Zip:	Email:			
Phone: 281-851-2335	Miscellaneous:			
Email: mkillough@hilcorp.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg			Sample Temp	Remarks
12:15	5-13	S	1	SW01		1	X	X	X		X							5.6	Changed TAT per
12:18				SW02		2												4.8	Client for Samples
12:21				SW03		3												5.8	1-24.
12:24				SW04		4												5.4	NS. 5-13-25
12:27				SW05		5												5.0	
12:30				SW06		6												5.2	
12:33				SW07		7												4.6	
12:36				SW08		8												5.1	
12:37				SW09		9												5.4	
12:42	↓	↓	↓	SW10		10	↓	↓	↓		↓							5.5	

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions:

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Eric Cuevas	5-13-25	1425	Caitlin Mann	5.13.25	1425

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

Lab Use Only
Received on ice: (Y) / N

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

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

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envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Hilcorp Energy	Company:	Lab WO# E805148	Job Number 17051.0002	1D X / 2D / 3D / Std	NM / CO / UT / TX
Project Name: Moore LS BC	Address:			
Project Manager: Mitch Killough	City, State, Zip:			
Address:	Phone:			
City, State, Zip:	Email:			
Phone:	Miscellaneous:			
Email: mkillough@hilcorp.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg			Sample Temp	Remarks
1245	5-13	S	1	SW11		11	X	X	X		X							4.9	
1248				SW12		12												5.1	
1251				SW13		13												5.6	
1254				SW14		14												5.8	
1257				SW15		15												5.4	
1300				FS01		16												5.2	
1303				FS02		17												5.7	
1306				FS03		18												5.6	
1309				FS04		19												5.8	
1312	↓	↓	↓	FS05		20	↓	↓	↓		↓							5.4	

EPA Program: SDWA / CWA / RCRA
Compliance Y or N
PWSID #

Additional Instructions:

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ezra Cassell	5-13-25	1425	Cathy Mar	5.13.25	1425

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

Lab Use Only
Received on ice: Y / N

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

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envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client:	Company:	Lab WO# E505148	1D 2D 3D Std	NM CO UT TX
Project Name:	Address:	Job Number 17051.2002	X	
Project Manager:	City, State, Zip:			
Address:	Phone:			
City, State, Zip:	Email:			
Phone:	Miscellaneous:			
Email:				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg			Sample Temp	Remarks
1315	5.13	S	1	FS06		21	X	X	X		X							5.6	
				FS07		22												5.5	
				FS08		23												4.8	
				FS09		24												5.1	
				DS01		25												5.4	
↓	↓	↓	↓	DS02		26	↓	↓	↓		↓							5.6	

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions:

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

Sampled by: Eric Cuevas

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Eric Cuevas	5.13.25	1425	Cuth Mar	5.13.25	1425

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

Lab Use Only

Received on ice: (Y) N

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

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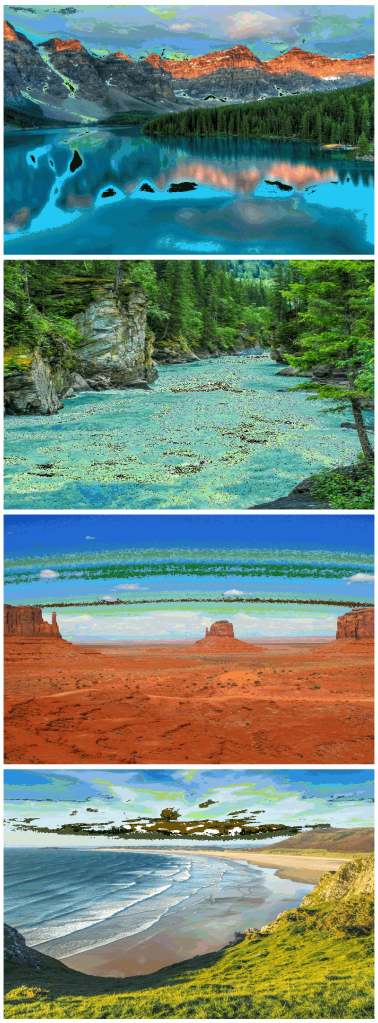
Report to:

Mitch Killough



5796 U.S. Hwy 64
Farmington, NM 87401

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

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Practical Solutions for a Better Tomorrow

Analytical Report

Hilcorp Energy Co

Project Name:	Moore LS 6B
Work Order:	E505285
Job Number:	17051-0002
Received:	5/27/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/29/25

Date Reported: 5/29/25

Mitch Killough
PO Box 61529
Houston, TX 77208

Project Name: Moore LS 6B
Workorder: E505285
Date Received: 5/27/2025 2:56:00PM

Mitch Killough,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/27/2025 2:56:00PM, under the Project Name: Moore LS 6B.

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

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Hilcorp Energy Co	Project Name:	Moore LS 6B	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Mitch Killough	05/29/25 14:49

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
DS-3	E505285-01A	Soil	05/27/25	05/27/25	Glass Jar, 4 oz.

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	5/29/2025 2:49:00PM

DS-3

E505285-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522028
Benzene	ND	1.25	50	05/27/25	05/28/25	
Ethylbenzene	**19.6**	1.25	50	05/27/25	05/28/25	
Toluene	**56.8**	1.25	50	05/27/25	05/28/25	
o-Xylene	**54.2**	1.25	50	05/27/25	05/28/25	
p,m-Xylene	**233**	2.50	50	05/27/25	05/28/25	
Total Xylenes	**287**	1.25	50	05/27/25	05/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*05/27/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522028
Gasoline Range Organics (C6-C10)	**3090**	1000	50	05/27/25	05/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.9 %*	*70-130*	*05/27/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2522007
Diesel Range Organics (C10-C28)	**1750**	25.0	1	05/27/25	05/27/25	T9
Oil Range Organics (C28-C36)	ND	50.0	1	05/27/25	05/27/25	
Surrogate: n-Nonane		*679 %*	*61-141*	*05/27/25*	*05/27/25*	*S5*

QC Summary Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Mitch Killough	5/29/2025 2:49:00PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522028-BLK1)									Prepared: 05/27/25 Analyzed: 05/28/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.13*		*8.00*		*102*	*70-130*			
LCS (2522028-BS1)									Prepared: 05/27/25 Analyzed: 05/28/25
Benzene	5.03	0.0250	5.00		101	70-130			
Ethylbenzene	5.04	0.0250	5.00		101	70-130			
Toluene	5.01	0.0250	5.00		100	70-130			
o-Xylene	4.99	0.0250	5.00		99.9	70-130			
p,m-Xylene	9.82	0.0500	10.0		98.2	70-130			
Total Xylenes	14.8	0.0250	15.0		98.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.18*		*8.00*		*102*	*70-130*			
Matrix Spike (2522028-MS1)				**Source: E505275-07**					Prepared: 05/27/25 Analyzed: 05/28/25
Benzene	4.89	0.0250	5.00	ND	97.7	70-130			
Ethylbenzene	4.92	0.0250	5.00	ND	98.5	70-130			
Toluene	4.88	0.0250	5.00	ND	97.5	70-130			
o-Xylene	4.86	0.0250	5.00	ND	97.2	70-130			
p,m-Xylene	9.60	0.0500	10.0	ND	96.0	70-130			
Total Xylenes	14.5	0.0250	15.0	ND	96.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.30*		*8.00*		*104*	*70-130*			
Matrix Spike Dup (2522028-MSD1)				**Source: E505275-07**					Prepared: 05/27/25 Analyzed: 05/28/25
Benzene	4.98	0.0250	5.00	ND	99.7	70-130	1.95	27	
Ethylbenzene	5.02	0.0250	5.00	ND	100	70-130	1.98	26	
Toluene	4.98	0.0250	5.00	ND	99.5	70-130	1.99	20	
o-Xylene	4.97	0.0250	5.00	ND	99.4	70-130	2.24	25	
p,m-Xylene	9.77	0.0500	10.0	ND	97.7	70-130	1.80	23	
Total Xylenes	14.7	0.0250	15.0	ND	98.3	70-130	1.95	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.13*		*8.00*		*102*	*70-130*			

QC Summary Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Mitch Killough	5/29/2025 2:49:00PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522028-BLK1)									Prepared: 05/27/25 Analyzed: 05/28/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.21*		*8.00*		*90.2*	*70-130*			
LCS (2522028-BS2)									Prepared: 05/27/25 Analyzed: 05/28/25
Gasoline Range Organics (C6-C10)	48.9	20.0	50.0		97.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.37*		*8.00*		*92.1*	*70-130*			
Matrix Spike (2522028-MS2)				**Source: E505275-07**					Prepared: 05/27/25 Analyzed: 05/28/25
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.32*		*8.00*		*91.5*	*70-130*			
Matrix Spike Dup (2522028-MSD2)				**Source: E505275-07**					Prepared: 05/27/25 Analyzed: 05/28/25
Gasoline Range Organics (C6-C10)	49.4	20.0	50.0	ND	98.9	70-130	2.42	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.16*		*8.00*		*89.5*	*70-130*			

QC Summary Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Mitch Killough	5/29/2025 2:49:00PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522007-BLK1)									Prepared: 05/27/25 Analyzed: 05/27/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*56.5*		*50.0*		*113*	*61-141*			
LCS (2522007-BS1)									Prepared: 05/27/25 Analyzed: 05/27/25
Diesel Range Organics (C10-C28)	286	25.0	250		114	66-144			
Surrogate: n-Nonane	*55.2*		*50.0*		*110*	*61-141*			
Matrix Spike (2522007-MS1)				**Source: E505259-22**					Prepared: 05/27/25 Analyzed: 05/27/25
Diesel Range Organics (C10-C28)	297	25.0	250	ND	119	56-156			
Surrogate: n-Nonane	*55.6*		*50.0*		*111*	*61-141*			
Matrix Spike Dup (2522007-MSD1)				**Source: E505259-22**					Prepared: 05/27/25 Analyzed: 05/27/25
Diesel Range Organics (C10-C28)	291	25.0	250	ND	116	56-156	2.11	20	
Surrogate: n-Nonane	*55.0*		*50.0*		*110*	*61-141*			

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:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	05/29/25 14:49

S5	Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
T9	DRO includes undifferentiated early eluting analytes characteristic of GRO.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Hilcorp Energy Company	Company: Same as Client	Lab WO# E505285	Job Number 17051-0002	1D 2D 3D Std: x	NM CO UT TX: x
Project Name: Moore LS 6B	Address:			
Project Manager: Mitch Killough	City, State, Zip:			
Address: 1111 Travis Street	Phone:			
City, State, Zip: Houston, TX	Email:			
Phone:	Miscellaneous: email Shyde@ensolum.com			
Email: mkillough@hilcorp.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260, BTEX Only	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			Temp	Remarks
1400	5/27/25	So.1	1	DS-3		1	X	X	X		~~X~~						5.8	No chloride, SH

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: cc Stuart Hyde, shyde@ensolum.com and Osgood Froelich, ofroelich@ensolum.com

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

Sampled by: Stuart Hyde Shyde@ensolum.com

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5/27/25	1456	Cathe Mar	5.27.25	1456

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

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: 5/27/2025 3:02:20PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Hilcorp Energy Co	Date Received:	05/27/25 14:56	Work Order ID:	E505285
Phone:	-	Date Logged In:	05/27/25 14:59	Logged In By:	Caitlin Mars
Email:	mkillough@hilcorp.com	Due Date:	05/28/25 17:00 (1 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Stuart Hyde
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

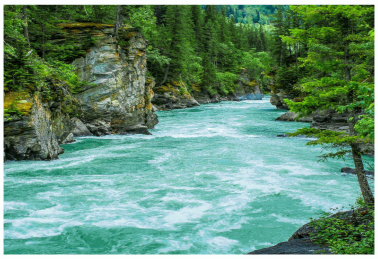
Signature of client authorizing changes to the COC or sample disposition.

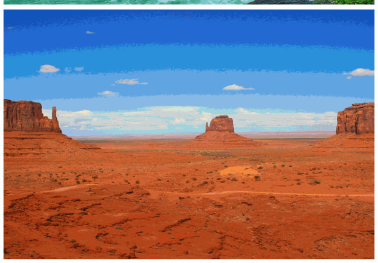
Date

envirotech Inc.

Report to:

Mitch Killough





5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Hilcorp Energy Co

Project Name:	Moore LS 6B
Work Order:	E505297
Job Number:	17051-0002
Received:	5/28/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/30/25

Date Reported: 5/30/25

Mitch Killough
PO Box 61529
Houston, TX 77208

Project Name: Moore LS 6B
Workorder: E505297
Date Received: 5/28/2025 12:20:00PM

Mitch Killough,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/28/2025 12:20:00PM, under the Project Name: Moore LS 6B.

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

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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Client Representative
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Hilcorp Energy Co	Project Name:	Moore LS 6B	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Mitch Killough	05/30/25 12:34

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
DS-4	E505297-01A	Soil	05/28/25	05/28/25	Glass Jar, 4 oz.

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	5/30/2025 12:34:13PM

DS-4

E505297-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522040
Benzene	**5.80**	0.250	10	05/28/25	05/29/25	
Ethylbenzene	**37.3**	0.250	10	05/28/25	05/29/25	
Toluene	**168**	0.250	10	05/28/25	05/29/25	
o-Xylene	**95.4**	0.250	10	05/28/25	05/29/25	
p,m-Xylene	**405**	0.500	10	05/28/25	05/29/25	
Total Xylenes	**501**	0.250	10	05/28/25	05/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*82.0 %*	*70-130*	*05/28/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522040
Gasoline Range Organics (C6-C10)	**3760**	200	10	05/28/25	05/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*125 %*	*70-130*	*05/28/25*	*05/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2522055
Diesel Range Organics (C10-C28)	**1770**	25.0	1	05/28/25	05/28/25	T9
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*800 %*	*61-141*	*05/28/25*	*05/28/25*	*S5*

QC Summary Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Mitch Killough	5/30/2025 12:34:13PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522040-BLK1)									Prepared: 05/28/25 Analyzed: 05/29/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.05*		*8.00*		*101*	*70-130*			
LCS (2522040-BS1)									Prepared: 05/28/25 Analyzed: 05/29/25
Benzene	5.46	0.0250	5.00		109	70-130			
Ethylbenzene	5.40	0.0250	5.00		108	70-130			
Toluene	5.45	0.0250	5.00		109	70-130			
o-Xylene	5.31	0.0250	5.00		106	70-130			
p,m-Xylene	10.8	0.0500	10.0		108	70-130			
Total Xylenes	16.2	0.0250	15.0		108	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.04*		*8.00*		*101*	*70-130*			
Matrix Spike (2522040-MS1)				**Source: E505292-22**					Prepared: 05/28/25 Analyzed: 05/29/25
Benzene	5.54	0.0250	5.00	ND	111	70-130			
Ethylbenzene	5.46	0.0250	5.00	ND	109	70-130			
Toluene	5.52	0.0250	5.00	ND	110	70-130			
o-Xylene	5.38	0.0250	5.00	ND	108	70-130			
p,m-Xylene	11.0	0.0500	10.0	ND	110	70-130			
Total Xylenes	16.4	0.0250	15.0	ND	109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.94*		*8.00*		*99.2*	*70-130*			
Matrix Spike Dup (2522040-MSD1)				**Source: E505292-22**					Prepared: 05/28/25 Analyzed: 05/29/25
Benzene	4.98	0.0250	5.00	ND	99.6	70-130	10.6	27	
Ethylbenzene	4.91	0.0250	5.00	ND	98.2	70-130	10.6	26	
Toluene	4.96	0.0250	5.00	ND	99.3	70-130	10.7	20	
o-Xylene	4.82	0.0250	5.00	ND	96.5	70-130	10.8	25	
p,m-Xylene	9.88	0.0500	10.0	ND	98.8	70-130	10.4	23	
Total Xylenes	14.7	0.0250	15.0	ND	98.1	70-130	10.6	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.86*		*8.00*		*98.2*	*70-130*			

QC Summary Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Mitch Killough	5/30/2025 12:34:13PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522040-BLK1)									Prepared: 05/28/25 Analyzed: 05/29/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.85*		*8.00*		*98.1*	*70-130*			
LCS (2522040-BS2)									Prepared: 05/28/25 Analyzed: 05/29/25
Gasoline Range Organics (C6-C10)	45.7	20.0	50.0		91.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.01*		*8.00*		*100*	*70-130*			
Matrix Spike (2522040-MS2)				**Source: E505292-22**					Prepared: 05/28/25 Analyzed: 05/29/25
Gasoline Range Organics (C6-C10)	49.5	20.0	50.0	ND	99.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.87*		*8.00*		*98.4*	*70-130*			
Matrix Spike Dup (2522040-MSD2)				**Source: E505292-22**					Prepared: 05/28/25 Analyzed: 05/29/25
Gasoline Range Organics (C6-C10)	49.2	20.0	50.0	ND	98.3	70-130	0.786	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.93*		*8.00*		*99.1*	*70-130*			

QC Summary Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Mitch Killough	5/30/2025 12:34:13PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522055-BLK1)									Prepared: 05/28/25 Analyzed: 05/28/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.2*		*50.0*		*104*	*61-141*			
LCS (2522055-BS1)									Prepared: 05/28/25 Analyzed: 05/28/25
Diesel Range Organics (C10-C28)	274	25.0	250		110	66-144			
Surrogate: n-Nonane	*51.3*		*50.0*		*103*	*61-141*			
Matrix Spike (2522055-MS1)				**Source: E505297-01**					Prepared: 05/28/25 Analyzed: 05/28/25
Diesel Range Organics (C10-C28)	1970	25.0	250	1770	79.2	56-156			
Surrogate: n-Nonane	*344*		*50.0*		*689*	*61-141*			*S5*
Matrix Spike Dup (2522055-MSD1)				**Source: E505297-01**					Prepared: 05/28/25 Analyzed: 05/28/25
Diesel Range Organics (C10-C28)	1790	25.0	250	1770	9.33	56-156	9.27	20	M4
Surrogate: n-Nonane	*368*		*50.0*		*736*	*61-141*			*S5*

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:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	05/30/25 12:34

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
S5	Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
T9	DRO includes undifferentiated early eluting analytes characteristic of GRO.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Hilcorp Energy	Company: Hilcorp	Lab WO# E505297	Job Number 17051-0002	1D 2D 3D Std: X	NM CO UT TX: X
Project Name: Moore LS 6B	Address:			
Project Manager: Mitch Killough	City, State, Zip:			
Address:	Phone:			
City, State, Zip:	Email: mkillough@hilcorp.com			
Phone:	Miscellaneous:			
Email: mkillough@hilcorp.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
1100	5/28/25	S	1	DS-4		1	X	X	X						5.5

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please cc: shyde@ensolum.com, ecarroll@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: Eric Carroll

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Eric Carroll	5/28/25	12:20	Nat Sata	5-28-25	1220

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

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: 5/28/2025 12:33:00PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Hilcorp Energy Co	Date Received:	05/28/25 12:20	Work Order ID:	E505297
Phone:	-	Date Logged In:	05/28/25 12:20	Logged In By:	Noe Soto
Email:	mkillough@hilcorp.com	Due Date:	05/29/25 17:00 (1 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Eric Carroll
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

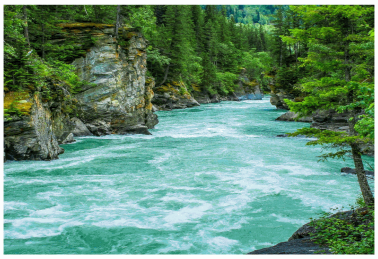
Signature of client authorizing changes to the COC or sample disposition.

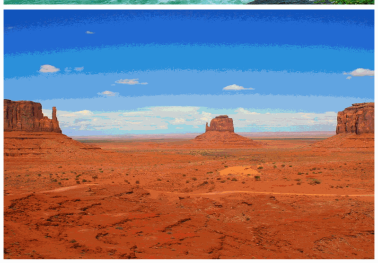
Date

envirotech Inc.

Report to:

Mitch Killough





5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Hilcorp Energy Co

Project Name:	Moore LS 6B
Work Order:	E507040
Job Number:	17051-0002
Received:	7/3/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/14/25

Date Reported: 7/14/25

Mitch Killough
PO Box 61529
Houston, TX 77208

Project Name: Moore LS 6B
Workorder: E507040
Date Received: 7/3/2025 1:55:00PM

Mitch Killough,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/3/2025 1:55:00PM, under the Project Name: Moore LS 6B.

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

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

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Sample Summary

Hilcorp Energy Co	Project Name:	Moore LS 6B	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Mitch Killough	07/14/25 16:07

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS10	E507040-01A	Soil	07/03/25	07/03/25	Glass Jar, 4 oz.
FS11	E507040-02A	Soil	07/03/25	07/03/25	Glass Jar, 4 oz.
FS12	E507040-03A	Soil	07/03/25	07/03/25	Glass Jar, 4 oz.
FS13	E507040-04A	Soil	07/03/25	07/03/25	Glass Jar, 4 oz.
SW16	E507040-05A	Soil	07/03/25	07/03/25	Glass Jar, 4 oz.
SW17	E507040-06A	Soil	07/03/25	07/03/25	Glass Jar, 4 oz.
SW18	E507040-07A	Soil	07/03/25	07/03/25	Glass Jar, 4 oz.
SS01	E507040-08A	Soil	07/03/25	07/03/25	Glass Jar, 4 oz.
SS02	E507040-09A	Soil	07/03/25	07/03/25	Glass Jar, 4 oz.
SS03	E507040-10A	Soil	07/03/25	07/03/25	Glass Jar, 4 oz.
SS04	E507040-11A	Soil	07/03/25	07/03/25	Glass Jar, 4 oz.
SS05	E507040-12A	Soil	07/03/25	07/03/25	Glass Jar, 4 oz.
SS06	E507040-13A	Soil	07/03/25	07/03/25	Glass Jar, 4 oz.
SS07	E507040-14A	Soil	07/03/25	07/03/25	Glass Jar, 4 oz.
SS08	E507040-15A	Soil	07/03/25	07/03/25	Glass Jar, 4 oz.

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	7/14/2025 4:07:21PM

FS10

E507040-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2528049
Benzene	ND	0.0250	1	07/08/25	07/11/25	
Ethylbenzene	ND	0.0250	1	07/08/25	07/11/25	
Toluene	ND	0.0250	1	07/08/25	07/11/25	
o-Xylene	ND	0.0250	1	07/08/25	07/11/25	
p,m-Xylene	ND	0.0500	1	07/08/25	07/11/25	
Total Xylenes	ND	0.0250	1	07/08/25	07/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.4 %*	*70-130*	*07/08/25*	*07/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2528049
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/08/25	07/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.2 %*	*70-130*	*07/08/25*	*07/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2528072
Diesel Range Organics (C10-C28)	**105**	25.0	1	07/08/25	07/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/10/25	
Surrogate: n-Nonane		*99.0 %*	*61-141*	*07/08/25*	*07/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2528086
Chloride	ND	20.0	1	07/08/25	07/10/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	7/14/2025 4:07:21PM

FS11

E507040-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2528049
Benzene	ND	0.0250	1	07/08/25	07/11/25	
Ethylbenzene	ND	0.0250	1	07/08/25	07/11/25	
Toluene	ND	0.0250	1	07/08/25	07/11/25	
o-Xylene	ND	0.0250	1	07/08/25	07/11/25	
p,m-Xylene	ND	0.0500	1	07/08/25	07/11/25	
Total Xylenes	ND	0.0250	1	07/08/25	07/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.6 %*	*70-130*	*07/08/25*	*07/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2528049
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/08/25	07/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.1 %*	*70-130*	*07/08/25*	*07/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2528072
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/10/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*07/08/25*	*07/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2528086
Chloride	ND	20.0	1	07/08/25	07/10/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	7/14/2025 4:07:21PM

FS12

E507040-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2528049
Benzene	ND	0.0250	1	07/08/25	07/11/25	
Ethylbenzene	ND	0.0250	1	07/08/25	07/11/25	
Toluene	ND	0.0250	1	07/08/25	07/11/25	
o-Xylene	ND	0.0250	1	07/08/25	07/11/25	
p,m-Xylene	ND	0.0500	1	07/08/25	07/11/25	
Total Xylenes	ND	0.0250	1	07/08/25	07/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.2 %*	*70-130*	*07/08/25*	*07/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2528049
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/08/25	07/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.3 %*	*70-130*	*07/08/25*	*07/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2528072
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/10/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*07/08/25*	*07/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2528086
Chloride	ND	20.0	1	07/08/25	07/10/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	7/14/2025 4:07:21PM

FS13

E507040-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2528049
Benzene	ND	0.0250	1	07/08/25	07/11/25	
Ethylbenzene	ND	0.0250	1	07/08/25	07/11/25	
Toluene	ND	0.0250	1	07/08/25	07/11/25	
o-Xylene	ND	0.0250	1	07/08/25	07/11/25	
p,m-Xylene	ND	0.0500	1	07/08/25	07/11/25	
Total Xylenes	ND	0.0250	1	07/08/25	07/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.4 %*	*70-130*	*07/08/25*	*07/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2528049
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/08/25	07/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.1 %*	*70-130*	*07/08/25*	*07/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2528072
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/10/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*07/08/25*	*07/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2528086
Chloride	ND	20.0	1	07/08/25	07/10/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	7/14/2025 4:07:21PM

SW16

E507040-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2528049
Benzene	ND	0.0250	1	07/08/25	07/11/25	
Ethylbenzene	ND	0.0250	1	07/08/25	07/11/25	
Toluene	ND	0.0250	1	07/08/25	07/11/25	
o-Xylene	ND	0.0250	1	07/08/25	07/11/25	
p,m-Xylene	ND	0.0500	1	07/08/25	07/11/25	
Total Xylenes	ND	0.0250	1	07/08/25	07/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.6 %*	*70-130*	*07/08/25*	*07/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2528049
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/08/25	07/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.9 %*	*70-130*	*07/08/25*	*07/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2528072
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/10/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*07/08/25*	*07/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2528086
Chloride	ND	20.0	1	07/08/25	07/10/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	7/14/2025 4:07:21PM

SW17

E507040-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2528049
Benzene	ND	0.0250	1	07/08/25	07/11/25	
Ethylbenzene	ND	0.0250	1	07/08/25	07/11/25	
Toluene	ND	0.0250	1	07/08/25	07/11/25	
o-Xylene	ND	0.0250	1	07/08/25	07/11/25	
p,m-Xylene	ND	0.0500	1	07/08/25	07/11/25	
Total Xylenes	ND	0.0250	1	07/08/25	07/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.9 %*	*70-130*	*07/08/25*	*07/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2528049
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/08/25	07/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.0 %*	*70-130*	*07/08/25*	*07/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2528072
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/10/25	
Surrogate: n-Nonane		*97.0 %*	*61-141*	*07/08/25*	*07/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2528086
Chloride	ND	20.0	1	07/08/25	07/10/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	7/14/2025 4:07:21PM

SW18

E507040-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2528049
Benzene	ND	0.0250	1	07/08/25	07/11/25	
Ethylbenzene	**0.0387**	0.0250	1	07/08/25	07/11/25	
Toluene	ND	0.0250	1	07/08/25	07/11/25	
o-Xylene	**0.141**	0.0250	1	07/08/25	07/11/25	
p,m-Xylene	**0.467**	0.0500	1	07/08/25	07/11/25	
Total Xylenes	**0.608**	0.0250	1	07/08/25	07/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.1 %*	*70-130*	*07/08/25*	*07/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2528049
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/08/25	07/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.3 %*	*70-130*	*07/08/25*	*07/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2528072
Diesel Range Organics (C10-C28)	**99.8**	25.0	1	07/08/25	07/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/10/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*07/08/25*	*07/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2528086
Chloride	ND	20.0	1	07/08/25	07/10/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	7/14/2025 4:07:21PM

SS01

E507040-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2528049
Benzene	ND	0.0250	1	07/08/25	07/11/25	
Ethylbenzene	**0.0256**	0.0250	1	07/08/25	07/11/25	
Toluene	ND	0.0250	1	07/08/25	07/11/25	
o-Xylene	ND	0.0250	1	07/08/25	07/11/25	
p,m-Xylene	ND	0.0500	1	07/08/25	07/11/25	
Total Xylenes	ND	0.0250	1	07/08/25	07/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.7 %*	*70-130*	*07/08/25*	*07/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2528049
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/08/25	07/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.3 %*	*70-130*	*07/08/25*	*07/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2528072
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/10/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*07/08/25*	*07/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2528086
Chloride	ND	20.0	1	07/08/25	07/10/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	7/14/2025 4:07:21PM

SS02

E507040-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2528049
Benzene	ND	0.0250	1	07/08/25	07/11/25	
Ethylbenzene	ND	0.0250	1	07/08/25	07/11/25	
Toluene	ND	0.0250	1	07/08/25	07/11/25	
o-Xylene	ND	0.0250	1	07/08/25	07/11/25	
p,m-Xylene	ND	0.0500	1	07/08/25	07/11/25	
Total Xylenes	ND	0.0250	1	07/08/25	07/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.4 %*	*70-130*	*07/08/25*	*07/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2528049
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/08/25	07/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.8 %*	*70-130*	*07/08/25*	*07/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2528072
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/10/25	
Surrogate: n-Nonane		*96.6 %*	*61-141*	*07/08/25*	*07/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2528086
Chloride	ND	20.0	1	07/08/25	07/10/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	7/14/2025 4:07:21PM

SS03

E507040-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2528049
Benzene	ND	0.0250	1	07/08/25	07/11/25	
Ethylbenzene	ND	0.0250	1	07/08/25	07/11/25	
Toluene	ND	0.0250	1	07/08/25	07/11/25	
o-Xylene	ND	0.0250	1	07/08/25	07/11/25	
p,m-Xylene	ND	0.0500	1	07/08/25	07/11/25	
Total Xylenes	ND	0.0250	1	07/08/25	07/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.7 %*	*70-130*	*07/08/25*	*07/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2528049
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/08/25	07/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.9 %*	*70-130*	*07/08/25*	*07/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2528072
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/10/25	
Surrogate: n-Nonane		*97.9 %*	*61-141*	*07/08/25*	*07/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2528086
Chloride	ND	20.0	1	07/08/25	07/10/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	7/14/2025 4:07:21PM

SS04

E507040-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2528049
Benzene	ND	0.0250	1	07/08/25	07/11/25	
Ethylbenzene	ND	0.0250	1	07/08/25	07/11/25	
Toluene	ND	0.0250	1	07/08/25	07/11/25	
o-Xylene	ND	0.0250	1	07/08/25	07/11/25	
p,m-Xylene	ND	0.0500	1	07/08/25	07/11/25	
Total Xylenes	ND	0.0250	1	07/08/25	07/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.4 %*	*70-130*	*07/08/25*	*07/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2528049
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/08/25	07/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.6 %*	*70-130*	*07/08/25*	*07/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2528072
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/10/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*07/08/25*	*07/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2528086
Chloride	ND	20.0	1	07/08/25	07/10/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	7/14/2025 4:07:21PM

SS05

E507040-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2528049
Benzene	ND	0.0250	1	07/08/25	07/11/25	
Ethylbenzene	**0.0336**	0.0250	1	07/08/25	07/11/25	
Toluene	**0.0282**	0.0250	1	07/08/25	07/11/25	
o-Xylene	ND	0.0250	1	07/08/25	07/11/25	
p,m-Xylene	ND	0.0500	1	07/08/25	07/11/25	
Total Xylenes	ND	0.0250	1	07/08/25	07/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.5 %*	*70-130*	*07/08/25*	*07/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2528049
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/08/25	07/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.4 %*	*70-130*	*07/08/25*	*07/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2528072
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/10/25	
Surrogate: n-Nonane		*99.1 %*	*61-141*	*07/08/25*	*07/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2528086
Chloride	ND	20.0	1	07/08/25	07/10/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	7/14/2025 4:07:21PM

SS06

E507040-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2528049
Benzene	ND	0.0250	1	07/08/25	07/11/25	
Ethylbenzene	ND	0.0250	1	07/08/25	07/11/25	
Toluene	**0.0274**	0.0250	1	07/08/25	07/11/25	
o-Xylene	ND	0.0250	1	07/08/25	07/11/25	
p,m-Xylene	ND	0.0500	1	07/08/25	07/11/25	
Total Xylenes	ND	0.0250	1	07/08/25	07/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.7 %*	*70-130*	*07/08/25*	*07/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2528049
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/08/25	07/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.5 %*	*70-130*	*07/08/25*	*07/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2528072
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/10/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*07/08/25*	*07/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2528086
Chloride	ND	20.0	1	07/08/25	07/11/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	7/14/2025 4:07:21PM

SS07

E507040-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2528049
Benzene	ND	0.0250	1	07/08/25	07/11/25	
Ethylbenzene	ND	0.0250	1	07/08/25	07/11/25	
Toluene	**0.0847**	0.0250	1	07/08/25	07/11/25	
o-Xylene	ND	0.0250	1	07/08/25	07/11/25	
p,m-Xylene	ND	0.0500	1	07/08/25	07/11/25	
Total Xylenes	ND	0.0250	1	07/08/25	07/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.8 %*	*70-130*	*07/08/25*	*07/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2528049
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/08/25	07/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.7 %*	*70-130*	*07/08/25*	*07/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2528072
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/10/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*07/08/25*	*07/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2528086
Chloride	ND	20.0	1	07/08/25	07/11/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	7/14/2025 4:07:21PM

SS08

E507040-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2528049
Benzene	ND	0.0250	1	07/08/25	07/11/25	
Ethylbenzene	ND	0.0250	1	07/08/25	07/11/25	
Toluene	ND	0.0250	1	07/08/25	07/11/25	
o-Xylene	ND	0.0250	1	07/08/25	07/11/25	
p,m-Xylene	ND	0.0500	1	07/08/25	07/11/25	
Total Xylenes	ND	0.0250	1	07/08/25	07/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.6 %*	*70-130*	*07/08/25*	*07/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2528049
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/08/25	07/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.9 %*	*70-130*	*07/08/25*	*07/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2528072
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/10/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*07/08/25*	*07/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2528086
Chloride	ND	20.0	1	07/08/25	07/11/25	

QC Summary Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Mitch Killough	7/14/2025 4:07:21PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2528049-BLK1)									Prepared: 07/08/25 Analyzed: 07/11/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.29*		*8.00*		*91.1*	*70-130*			
LCS (2528049-BS1)									Prepared: 07/08/25 Analyzed: 07/11/25
Benzene	4.43	0.0250	5.00		88.6	70-130			
Ethylbenzene	4.31	0.0250	5.00		86.2	70-130			
Toluene	4.49	0.0250	5.00		89.7	70-130			
o-Xylene	4.42	0.0250	5.00		88.5	70-130			
p,m-Xylene	8.63	0.0500	10.0		86.3	70-130			
Total Xylenes	13.1	0.0250	15.0		87.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.15*		*8.00*		*89.4*	*70-130*			
Matrix Spike (2528049-MS1)				**Source: E507040-01**					Prepared: 07/08/25 Analyzed: 07/14/25
Benzene	4.35	0.0250	5.00	ND	86.9	70-130			
Ethylbenzene	4.31	0.0250	5.00	ND	86.1	70-130			
Toluene	4.37	0.0250	5.00	ND	87.4	70-130			
o-Xylene	4.28	0.0250	5.00	ND	85.5	70-130			
p,m-Xylene	8.55	0.0500	10.0	ND	85.5	70-130			
Total Xylenes	12.8	0.0250	15.0	ND	85.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.75*		*8.00*		*96.8*	*70-130*			
Matrix Spike Dup (2528049-MSD1)				**Source: E507040-01**					Prepared: 07/08/25 Analyzed: 07/14/25
Benzene	4.51	0.0250	5.00	ND	90.1	70-130	3.63	27	
Ethylbenzene	4.56	0.0250	5.00	ND	91.2	70-130	5.79	26	
Toluene	4.42	0.0250	5.00	ND	88.4	70-130	1.05	20	
o-Xylene	4.79	0.0250	5.00	ND	95.7	70-130	11.3	25	
p,m-Xylene	9.13	0.0500	10.0	ND	91.3	70-130	6.65	23	
Total Xylenes	13.9	0.0250	15.0	ND	92.8	70-130	8.21	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.11*		*8.00*		*101*	*70-130*			

QC Summary Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Mitch Killough	7/14/2025 4:07:21PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2528049-BLK1)									Prepared: 07/08/25 Analyzed: 07/11/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.08*		*8.00*		*88.5*	*70-130*			
LCS (2528049-BS2)									Prepared: 07/08/25 Analyzed: 07/11/25
Gasoline Range Organics (C6-C10)	44.6	20.0	50.0		89.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.03*		*8.00*		*87.9*	*70-130*			
Matrix Spike (2528049-MS2)				**Source: E507040-01**					Prepared: 07/08/25 Analyzed: 07/11/25
Gasoline Range Organics (C6-C10)	38.5	20.0	50.0	ND	77.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.03*		*8.00*		*87.9*	*70-130*			
Matrix Spike Dup (2528049-MSD2)				**Source: E507040-01**					Prepared: 07/08/25 Analyzed: 07/11/25
Gasoline Range Organics (C6-C10)	42.5	20.0	50.0	ND	85.0	70-130	9.88	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.10*		*8.00*		*88.7*	*70-130*			

QC Summary Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Mitch Killough	7/14/2025 4:07:21PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2528072-BLK1)									Prepared: 07/08/25 Analyzed: 07/09/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.1*		*50.0*		*102*	*61-141*			
LCS (2528072-BS1)									Prepared: 07/08/25 Analyzed: 07/09/25
Diesel Range Organics (C10-C28)	272	25.0	250		109	66-144			
Surrogate: n-Nonane	*46.1*		*50.0*		*92.3*	*61-141*			
Matrix Spike (2528072-MS1)				**Source: E507040-11**					Prepared: 07/08/25 Analyzed: 07/09/25
Diesel Range Organics (C10-C28)	280	25.0	250	ND	112	56-156			
Surrogate: n-Nonane	*48.9*		*50.0*		*97.8*	*61-141*			
Matrix Spike Dup (2528072-MSD1)				**Source: E507040-11**					Prepared: 07/08/25 Analyzed: 07/09/25
Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	56-156	1.29	20	
Surrogate: n-Nonane	*50.2*		*50.0*		*100*	*61-141*			

QC Summary Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Mitch Killough	7/14/2025 4:07:21PM

Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2528086-BLK1)									Prepared: 07/08/25 Analyzed: 07/10/25
Chloride	ND	20.0							
LCS (2528086-BS1)									Prepared: 07/08/25 Analyzed: 07/10/25
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2528086-MS1)				**Source: E507040-01**					Prepared: 07/08/25 Analyzed: 07/10/25
Chloride	258	20.0	250	ND	103	80-120			
Matrix Spike Dup (2528086-MSD1)				**Source: E507040-01**					Prepared: 07/08/25 Analyzed: 07/10/25
Chloride	254	20.0	250	ND	102	80-120	1.50	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:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	07/14/25 16:07

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

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

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

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Hilcorp	Company:	Lab WO# E507040	1D 2D 3D Std	NM CO UT TX
Project Name: Moore LS GB	Address:	Job Number 17051.0002		X
Project Manager: Mitch Killough	City, State, Zip:		X	
Address:	Phone:			
City, State, Zip:	Email:			
Phone:	Miscellaneous:			
Email: MKillough@hilcorp.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
~~7-9~~ 1237	7-3	S	1	FS16		1	X	X	X		X							4.8
1243				FS11		2												4.6
1247				FS12		3												4.4
1251				FS13		4												4.0
1256				SW16		5												4.2
1259				SW17		6												4.5
1301				SW18		7												4.8
1246				SS01		8												4.4
1249				SS02		9												4.9
1250				SS03		10												5.0

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions:

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

Sampled by: Eric Carroll

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	7-3	1355	[signature]	7.3.25	1355
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C

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

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

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

envirotech

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Hilcorp	Company:	Lab WO# E507040	1D 2D 3D Std	NM CO UT TX
Project Name: Moore LS GB	Address:	Job Number 17051.0002		X
Project Manager: Mitch Killough	City, State, Zip:			
Address:	Phone:			
City, State, Zip:	Email:			
Phone:	Miscellaneous:			
Email: mkillough@hilcorp.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
1252	7-3	S	1	SS04		11	X	X	X		X							4.6
1254				SS05		12												4.6
1256				SS06		13												4.2
1258				SS07		14												4.0
1300				SS08		15												4.0

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions:

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

Sampled by: Eric Carroll

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Eric Carroll	7-3	1355	Caitlin Mar	7.3.25	1355
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) N

T1 T2 T3

AVG Temp °C

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: 7/7/2025 8:00:37AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Hilcorp Energy Co	Date Received:	07/03/25 13:55	Work Order ID:	E507040
Phone:	-	Date Logged In:	07/07/25 07:56	Logged In By:	Caitlin Mars
Email:	mkillough@hilcorp.com	Due Date:	07/11/25 17:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Eric Carroll
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

ENSOLUM

APPENDIX B

Agency Correspondence

From: OCDOnline@state.nm.us
To: Stuart Hyde
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 460000
Date: Thursday, May 8, 2025 7:03:59 AM

[**EXTERNAL EMAIL**]

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

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2206056316.

The sampling event is expected to take place:

When: 05/13/2025 @ 09:00
Where: O-25-32N-12W 660 FSL 2340 FEL (36.95101,-108.04544)

Additional Information: Stuart Hyde, 970-903-1607

Additional Instructions: Moore LS 6B well pad, 36.950915, -108.045987

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

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

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

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

From: OCDOnline@state.nm.us
To: Stuart Hyde
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 466074
Date: Wednesday, May 21, 2025 4:15:59 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#) nAPP2206056316.

The sampling event is expected to take place:

When: 05/27/2025 @ 09:00
Where: O-25-32N-12W 660 FSL 2340 FEL (36.95101,-108.04544)

Additional Information: Stuart Hyde, 970-903-1607

Additional Instructions: Moore LS 6B well pad, 36.950915, -108.045987

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

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

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

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

From: OCDOnline@state.nm.us
To: Stuart Hyde
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 466077
Date: Wednesday, May 21, 2025 4:17:14 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#) nAPP2206056316.

The sampling event is expected to take place:

When: 05/28/2025 @ 09:00
Where: O-25-32N-12W 660 FSL 2340 FEL (36.95101,-108.04544)

Additional Information: Stuart Hyde, 970-903-1607

Additional Instructions: Moore LS 6B well pad, 36.950915, -108.045987

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

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

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

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

From: OCDOnline@state.nm.us
To: Stuart Hyde
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 479829
Date: Friday, June 27, 2025 1:31:34 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#) nAPP2206056316.

The sampling event is expected to take place:

When: 07/03/2025 @ 12:01
Where: O-25-32N-12W 660 FSL 2340 FEL (36.95101,-108.04544)

Additional Information: Stuart Hyde, 970-903-1607

Additional Instructions: Moore LS 6B well pad, 36.950915, -108.045987

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

From: Velez, Nelson, EMNRD
To: Stuart Hyde
Cc: Mitch Killough; Chad Perkins; Eric Carroll; Osgood Froelich; Wes Weichert; Hall, Brittany, EMNRD; Bratcher, Michael, EMNRD; Enviro, OCD, EMNRD
Subject: Re: [EXTERNAL] nAPP2206056316 - Moore LS 6B Extension Request
Date: Friday, June 27, 2025 10:18:34 AM
Attachments: image001.png
image002.png
image003.png
Outlook-ize5rpvv.png

[**EXTERNAL EMAIL**]
Good morning Stuart,

Since Hilcorp remedial efforts is currently ongoing, your 90-day time extension request is approved. Remediation Due date has been updated to September 29, 2025.

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

Regards,

Nelson Velez ● Environmental Specialist - Adv
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/ocd

From: Stuart Hyde <shyde@ensolum.com>
Sent: Friday, June 27, 2025 9:49 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>
Cc: Mitch Killough <mkillough@hilcorp.com>; Chad Perkins <cperkins@hilcorp.com>; Eric Carroll <ecarroll@ensolum.com>; Osgood Froelich <ofroelich@ensolum.com>; Wes Weichert <wweichert@ensolum.com>
Subject: [EXTERNAL] nAPP2206056316 - Moore LS 6B Extension Request

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

Nelson,

On behalf of Hilcorp, we are requesting an extension to the June 30, 2025 reporting deadline for the Moore LS 6B site located in San Juan County. At this time, Hilcorp has constructed the small landfarm and removed approximately 850 cubic yards of impacted soil from the excavation. Due to the unexpected depth of impacts discovered during the work, an engineered excavation design was required to remove soil down to a depth of 30 feet bgs. We are currently removing additional soil down to a depth of 30 feet. As such, we are requesting a 90-day extension to complete the remedial excavation and closure report with a new reporting deadline of Monday September 29, 2025.

Please reach out with any questions regarding the site. Thanks and have a great weekend.

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

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

From: OCDOnline@state.nm.us
To: Stuart Hyde
Subject: The Oil Conservation Division (OCD) has approved the application, Application ID: 357086
Date: Tuesday, July 2, 2024 9:02:06 AM

[**EXTERNAL EMAIL**]

To whom it may concern (c/o Stuart Hyde 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#) nAPP2206056316, with the following conditions:

- **The revised remediation plan is approved as written. According to the workplan and approval from OCD Permitting Group, Hilcorp has 180-days (December 30, 2024) to submit to OCD its appropriate or final remediation closure report.**

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

ENSOLUM

APPENDIX C

Photographic Log

Point 1. Title: 03Jul25 13:03
📸
🏷️ Ad-hoc
⌂La Plata NM 87418, United States
◷ 03-Jul-25 13:03:17
⌖ 36.95100, -108.04570
UTM:12n 763063 4093515
MGRS:12SYF6306393515 (±14ft)
Altitude: 6392 (±10ft)
Heading: NW287 (±11°,T)

Point 2. Title: 03Jul25 13:02

Ad-hoc

◷ 03-Jul-25 13:02:48
⌖ 36.95115, -108.04579
UTM:12n 763054 4093532
MGRS:12SYF6305493531 (±11ft)
Altitude: 6394 (±10ft)
Heading: S189 (±11°,T)

Point 3. Title: 03Jul25 13:02

Ad-hoc

◷ 03-Jul-25 13:02:28
⌖ 36.95105, -108.04596
UTM:12n 763040 4093520
MGRS:12SYF6304093520 (±16ft)
Altitude: 6393 (±16ft)
Heading: SE107 (±11°,T)

Point 4. Title: 03Jul25 13:02

Ad-hoc

◷ 03-Jul-25 13:02:23
⌖ 36.95090, -108.04600
UTM:12n 763037 4093503
MGRS:12SYF6303693503 (±24ft)
Altitude: 6391 (±10ft)
Heading: NE46 (±11°,T)

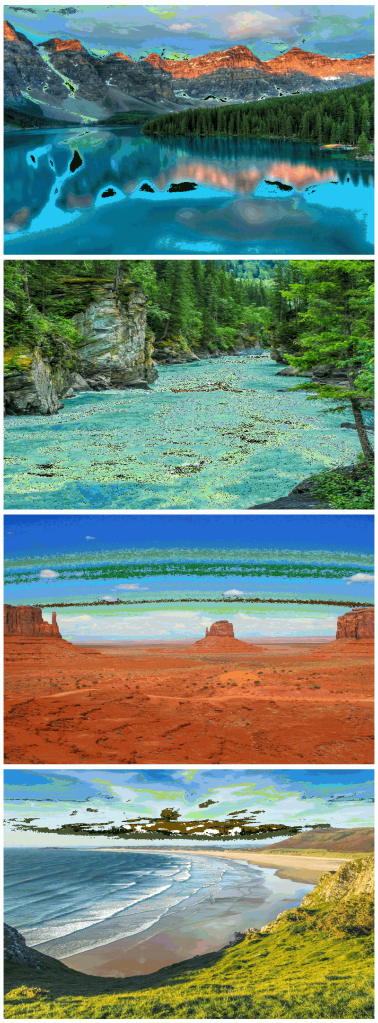
ENSOLUM

APPENDIX D

Small Landfarm Closure Soil Sample Laboratory Analytical Reports

Report to:

Mitch Killough



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Hilcorp Energy Co

Project Name:	Moore LS 6B
Work Order:	E508225
Job Number:	17051-0002
Received:	8/20/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/27/25

Date Reported: 8/27/25

Mitch Killough
PO Box 61529
Houston, TX 77208

Project Name: Moore LS 6B
Workorder: E508225
Date Received: 8/20/2025 12:20:00PM

Mitch Killough,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/20/2025 12:20:00PM, under the Project Name: Moore LS 6B.

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

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Table of Contents (continued)

Sample Summary

Hilcorp Energy Co	Project Name:	Moore LS 6B	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Mitch Killough	08/27/25 09:02

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS01	E508225-01A	Soil	08/20/25	08/20/25	Glass Jar, 2 oz.
CS02	E508225-02A	Soil	08/20/25	08/20/25	Glass Jar, 2 oz.
CS03	E508225-03A	Soil	08/20/25	08/20/25	Glass Jar, 2 oz.
CS04	E508225-04A	Soil	08/20/25	08/20/25	Glass Jar, 2 oz.
CS05	E508225-05A	Soil	08/20/25	08/20/25	Glass Jar, 2 oz.
CS06	E508225-06A	Soil	08/20/25	08/20/25	Glass Jar, 2 oz.
CS07	E508225-07A	Soil	08/20/25	08/20/25	Glass Jar, 2 oz.
CS08	E508225-08A	Soil	08/20/25	08/20/25	Glass Jar, 2 oz.
CS09	E508225-09A	Soil	08/20/25	08/20/25	Glass Jar, 2 oz.
CS10	E508225-10A	Soil	08/20/25	08/20/25	Glass Jar, 2 oz.
CS11	E508225-11A	Soil	08/20/25	08/20/25	Glass Jar, 2 oz.
CS12	E508225-12A	Soil	08/20/25	08/20/25	Glass Jar, 2 oz.
CS13	E508225-13A	Soil	08/20/25	08/20/25	Glass Jar, 2 oz.
CS14	E508225-14A	Soil	08/20/25	08/20/25	Glass Jar, 2 oz.
CS15	E508225-15A	Soil	08/20/25	08/20/25	Glass Jar, 2 oz.
CS16	E508225-16A	Soil	08/20/25	08/20/25	Glass Jar, 2 oz.
CS17	E508225-17A	Soil	08/20/25	08/20/25	Glass Jar, 2 oz.
CS18	E508225-18A	Soil	08/20/25	08/20/25	Glass Jar, 2 oz.
CS19	E508225-19A	Soil	08/20/25	08/20/25	Glass Jar, 2 oz.
CS20	E508225-20A	Soil	08/20/25	08/20/25	Glass Jar, 2 oz.

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	8/27/2025 9:02:41AM

CS01

E508225-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Benzene	ND	0.0250	1	08/20/25	08/20/25	
Ethylbenzene	ND	0.0250	1	08/20/25	08/20/25	
Toluene	ND	0.0250	1	08/20/25	08/20/25	
o-Xylene	ND	0.0250	1	08/20/25	08/20/25	
p,m-Xylene	ND	0.0500	1	08/20/25	08/20/25	
Total Xylenes	ND	0.0250	1	08/20/25	08/20/25	
Surrogate: Bromofluorobenzene		*97.7 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*08/20/25*	*08/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/20/25	08/20/25	
Surrogate: Bromofluorobenzene		*97.7 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*08/20/25*	*08/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2534093
Diesel Range Organics (C10-C28)	ND	25.0	1	08/21/25	08/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/25	08/25/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*08/21/25*	*08/25/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2534100
Chloride	ND	20.0	1	08/21/25	08/21/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	8/27/2025 9:02:41AM

CS02

E508225-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Benzene	ND	0.0250	1	08/20/25	08/20/25	
Ethylbenzene	ND	0.0250	1	08/20/25	08/20/25	
Toluene	ND	0.0250	1	08/20/25	08/20/25	
o-Xylene	ND	0.0250	1	08/20/25	08/20/25	
p,m-Xylene	ND	0.0500	1	08/20/25	08/20/25	
Total Xylenes	ND	0.0250	1	08/20/25	08/20/25	
Surrogate: Bromofluorobenzene		*96.9 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*08/20/25*	*08/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/20/25	08/20/25	
Surrogate: Bromofluorobenzene		*96.9 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*08/20/25*	*08/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2534093
Diesel Range Organics (C10-C28)	ND	25.0	1	08/21/25	08/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/25	08/25/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*08/21/25*	*08/25/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2534100
Chloride	ND	20.0	1	08/21/25	08/21/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	8/27/2025 9:02:41AM

CS03

E508225-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Benzene	ND	0.0250	1	08/20/25	08/20/25	
Ethylbenzene	ND	0.0250	1	08/20/25	08/20/25	
Toluene	ND	0.0250	1	08/20/25	08/20/25	
o-Xylene	ND	0.0250	1	08/20/25	08/20/25	
p,m-Xylene	ND	0.0500	1	08/20/25	08/20/25	
Total Xylenes	ND	0.0250	1	08/20/25	08/20/25	
Surrogate: Bromofluorobenzene		*95.4 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*08/20/25*	*08/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/20/25	08/20/25	
Surrogate: Bromofluorobenzene		*95.4 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*08/20/25*	*08/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2534093
Diesel Range Organics (C10-C28)	ND	25.0	1	08/21/25	08/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/25	08/25/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*08/21/25*	*08/25/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2534100
Chloride	ND	20.0	1	08/21/25	08/21/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	8/27/2025 9:02:41AM

CS04

E508225-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Benzene	ND	0.0250	1	08/20/25	08/20/25	
Ethylbenzene	ND	0.0250	1	08/20/25	08/20/25	
Toluene	ND	0.0250	1	08/20/25	08/20/25	
o-Xylene	ND	0.0250	1	08/20/25	08/20/25	
p,m-Xylene	ND	0.0500	1	08/20/25	08/20/25	
Total Xylenes	ND	0.0250	1	08/20/25	08/20/25	
Surrogate: Bromofluorobenzene		*97.2 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: Toluene-d8		*99.9 %*	*70-130*	*08/20/25*	*08/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/20/25	08/20/25	
Surrogate: Bromofluorobenzene		*97.2 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: Toluene-d8		*99.9 %*	*70-130*	*08/20/25*	*08/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2534093
Diesel Range Organics (C10-C28)	**34.7**	25.0	1	08/21/25	08/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/25	08/25/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*08/21/25*	*08/25/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2534100
Chloride	ND	20.0	1	08/21/25	08/21/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	8/27/2025 9:02:41AM

CS05

E508225-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Benzene	ND	0.0250	1	08/20/25	08/20/25	
Ethylbenzene	ND	0.0250	1	08/20/25	08/20/25	
Toluene	ND	0.0250	1	08/20/25	08/20/25	
o-Xylene	ND	0.0250	1	08/20/25	08/20/25	
p,m-Xylene	ND	0.0500	1	08/20/25	08/20/25	
Total Xylenes	ND	0.0250	1	08/20/25	08/20/25	
Surrogate: Bromofluorobenzene		*95.5 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*08/20/25*	*08/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/20/25	08/20/25	
Surrogate: Bromofluorobenzene		*95.5 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*08/20/25*	*08/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2534093
Diesel Range Organics (C10-C28)	**28.3**	25.0	1	08/21/25	08/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/25	08/25/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*08/21/25*	*08/25/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2534100
Chloride	ND	20.0	1	08/21/25	08/21/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	8/27/2025 9:02:41AM

CS06

E508225-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Benzene	ND	0.0250	1	08/20/25	08/20/25	
Ethylbenzene	ND	0.0250	1	08/20/25	08/20/25	
Toluene	ND	0.0250	1	08/20/25	08/20/25	
o-Xylene	ND	0.0250	1	08/20/25	08/20/25	
p,m-Xylene	ND	0.0500	1	08/20/25	08/20/25	
Total Xylenes	ND	0.0250	1	08/20/25	08/20/25	
Surrogate: Bromofluorobenzene		*96.9 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*08/20/25*	*08/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/20/25	08/20/25	
Surrogate: Bromofluorobenzene		*96.9 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*08/20/25*	*08/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2534093
Diesel Range Organics (C10-C28)	**62.0**	25.0	1	08/21/25	08/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/25	08/25/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*08/21/25*	*08/25/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2534100
Chloride	ND	20.0	1	08/21/25	08/21/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	8/27/2025 9:02:41AM

CS07

E508225-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Benzene	ND	0.0250	1	08/20/25	08/20/25	
Ethylbenzene	ND	0.0250	1	08/20/25	08/20/25	
Toluene	ND	0.0250	1	08/20/25	08/20/25	
o-Xylene	ND	0.0250	1	08/20/25	08/20/25	
p,m-Xylene	ND	0.0500	1	08/20/25	08/20/25	
Total Xylenes	ND	0.0250	1	08/20/25	08/20/25	
Surrogate: Bromofluorobenzene		*93.7 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*96.4 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*08/20/25*	*08/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/20/25	08/20/25	
Surrogate: Bromofluorobenzene		*93.7 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*96.4 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*08/20/25*	*08/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2534093
Diesel Range Organics (C10-C28)	**87.6**	25.0	1	08/21/25	08/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/25	08/25/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*08/21/25*	*08/25/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2534100
Chloride	ND	20.0	1	08/21/25	08/21/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	8/27/2025 9:02:41AM

CS08

E508225-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Benzene	ND	0.0250	1	08/20/25	08/20/25	
Ethylbenzene	ND	0.0250	1	08/20/25	08/20/25	
Toluene	ND	0.0250	1	08/20/25	08/20/25	
o-Xylene	ND	0.0250	1	08/20/25	08/20/25	
p,m-Xylene	ND	0.0500	1	08/20/25	08/20/25	
Total Xylenes	ND	0.0250	1	08/20/25	08/20/25	
Surrogate: Bromofluorobenzene		*94.7 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: Toluene-d8		*99.9 %*	*70-130*	*08/20/25*	*08/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/20/25	08/20/25	
Surrogate: Bromofluorobenzene		*94.7 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: Toluene-d8		*99.9 %*	*70-130*	*08/20/25*	*08/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2534093
Diesel Range Organics (C10-C28)	**56.8**	25.0	1	08/21/25	08/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/25	08/25/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*08/21/25*	*08/25/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2534100
Chloride	ND	20.0	1	08/21/25	08/21/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	8/27/2025 9:02:41AM

CS09

E508225-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Benzene	ND	0.0250	1	08/20/25	08/20/25	
Ethylbenzene	ND	0.0250	1	08/20/25	08/20/25	
Toluene	ND	0.0250	1	08/20/25	08/20/25	
o-Xylene	ND	0.0250	1	08/20/25	08/20/25	
p,m-Xylene	ND	0.0500	1	08/20/25	08/20/25	
Total Xylenes	ND	0.0250	1	08/20/25	08/20/25	
Surrogate: Bromofluorobenzene		*94.7 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*107 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*08/20/25*	*08/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/20/25	08/20/25	
Surrogate: Bromofluorobenzene		*94.7 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*107 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*08/20/25*	*08/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2534093
Diesel Range Organics (C10-C28)	**41.9**	25.0	1	08/21/25	08/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/25	08/26/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*08/21/25*	*08/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2534100
Chloride	ND	20.0	1	08/21/25	08/21/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	8/27/2025 9:02:41AM

CS10

E508225-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Benzene	ND	0.0250	1	08/20/25	08/20/25	
Ethylbenzene	ND	0.0250	1	08/20/25	08/20/25	
Toluene	ND	0.0250	1	08/20/25	08/20/25	
o-Xylene	ND	0.0250	1	08/20/25	08/20/25	
p,m-Xylene	ND	0.0500	1	08/20/25	08/20/25	
Total Xylenes	ND	0.0250	1	08/20/25	08/20/25	
Surrogate: Bromofluorobenzene		*97.0 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.6 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*08/20/25*	*08/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/20/25	08/20/25	
Surrogate: Bromofluorobenzene		*97.0 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.6 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*08/20/25*	*08/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2534093
Diesel Range Organics (C10-C28)	**78.7**	25.0	1	08/21/25	08/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/25	08/22/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*08/21/25*	*08/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2534100
Chloride	ND	20.0	1	08/21/25	08/21/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	8/27/2025 9:02:41AM

CS11

E508225-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Benzene	ND	0.0250	1	08/20/25	08/20/25	
Ethylbenzene	ND	0.0250	1	08/20/25	08/20/25	
Toluene	ND	0.0250	1	08/20/25	08/20/25	
o-Xylene	ND	0.0250	1	08/20/25	08/20/25	
p,m-Xylene	ND	0.0500	1	08/20/25	08/20/25	
Total Xylenes	ND	0.0250	1	08/20/25	08/20/25	
Surrogate: Bromofluorobenzene		*97.3 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: Toluene-d8		*98.5 %*	*70-130*	*08/20/25*	*08/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/20/25	08/20/25	
Surrogate: Bromofluorobenzene		*97.3 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*08/20/25*	*08/20/25*	
Surrogate: Toluene-d8		*98.5 %*	*70-130*	*08/20/25*	*08/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2534093
Diesel Range Organics (C10-C28)	**182**	25.0	1	08/21/25	08/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/25	08/22/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*08/21/25*	*08/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2534100
Chloride	ND	20.0	1	08/21/25	08/21/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	8/27/2025 9:02:41AM

CS12

E508225-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Benzene	ND	0.0250	1	08/20/25	08/21/25	
Ethylbenzene	ND	0.0250	1	08/20/25	08/21/25	
Toluene	ND	0.0250	1	08/20/25	08/21/25	
o-Xylene	ND	0.0250	1	08/20/25	08/21/25	
p,m-Xylene	ND	0.0500	1	08/20/25	08/21/25	
Total Xylenes	ND	0.0250	1	08/20/25	08/21/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: Toluene-d8		*99.6 %*	*70-130*	*08/20/25*	*08/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/20/25	08/21/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: Toluene-d8		*99.6 %*	*70-130*	*08/20/25*	*08/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2534093
Diesel Range Organics (C10-C28)	**215**	25.0	1	08/21/25	08/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/25	08/22/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*08/21/25*	*08/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2534100
Chloride	ND	20.0	1	08/21/25	08/21/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	8/27/2025 9:02:41AM

CS13

E508225-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Benzene	ND	0.0250	1	08/20/25	08/21/25	
Ethylbenzene	ND	0.0250	1	08/20/25	08/21/25	
Toluene	ND	0.0250	1	08/20/25	08/21/25	
o-Xylene	ND	0.0250	1	08/20/25	08/21/25	
p,m-Xylene	ND	0.0500	1	08/20/25	08/21/25	
Total Xylenes	ND	0.0250	1	08/20/25	08/21/25	
Surrogate: Bromofluorobenzene		*95.8 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.0 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*08/20/25*	*08/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/20/25	08/21/25	
Surrogate: Bromofluorobenzene		*95.8 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.0 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*08/20/25*	*08/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2534093
Diesel Range Organics (C10-C28)	**175**	25.0	1	08/21/25	08/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/25	08/22/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*08/21/25*	*08/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2534100
Chloride	ND	20.0	1	08/21/25	08/21/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	8/27/2025 9:02:41AM

CS14

E508225-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Benzene	ND	0.0250	1	08/20/25	08/21/25	
Ethylbenzene	ND	0.0250	1	08/20/25	08/21/25	
Toluene	ND	0.0250	1	08/20/25	08/21/25	
o-Xylene	ND	0.0250	1	08/20/25	08/21/25	
p,m-Xylene	ND	0.0500	1	08/20/25	08/21/25	
Total Xylenes	ND	0.0250	1	08/20/25	08/21/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: Toluene-d8		*99.6 %*	*70-130*	*08/20/25*	*08/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/20/25	08/21/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: Toluene-d8		*99.6 %*	*70-130*	*08/20/25*	*08/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2534093
Diesel Range Organics (C10-C28)	**29.3**	25.0	1	08/21/25	08/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/25	08/22/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*08/21/25*	*08/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2534100
Chloride	ND	20.0	1	08/21/25	08/21/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	8/27/2025 9:02:41AM

CS15

E508225-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Benzene	ND	0.0250	1	08/20/25	08/21/25	
Ethylbenzene	ND	0.0250	1	08/20/25	08/21/25	
Toluene	ND	0.0250	1	08/20/25	08/21/25	
o-Xylene	ND	0.0250	1	08/20/25	08/21/25	
p,m-Xylene	ND	0.0500	1	08/20/25	08/21/25	
Total Xylenes	ND	0.0250	1	08/20/25	08/21/25	
Surrogate: Bromofluorobenzene		*98.2 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*08/20/25*	*08/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/20/25	08/21/25	
Surrogate: Bromofluorobenzene		*98.2 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*08/20/25*	*08/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2534093
Diesel Range Organics (C10-C28)	**69.1**	25.0	1	08/21/25	08/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/25	08/22/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*08/21/25*	*08/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2534100
Chloride	ND	20.0	1	08/21/25	08/21/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	8/27/2025 9:02:41AM

CS16

E508225-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Benzene	ND	0.0250	1	08/20/25	08/21/25	
Ethylbenzene	ND	0.0250	1	08/20/25	08/21/25	
Toluene	ND	0.0250	1	08/20/25	08/21/25	
o-Xylene	ND	0.0250	1	08/20/25	08/21/25	
p,m-Xylene	ND	0.0500	1	08/20/25	08/21/25	
Total Xylenes	ND	0.0250	1	08/20/25	08/21/25	
Surrogate: Bromofluorobenzene		*97.4 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*08/20/25*	*08/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/20/25	08/21/25	
Surrogate: Bromofluorobenzene		*97.4 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*08/20/25*	*08/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2534093
Diesel Range Organics (C10-C28)	**30.4**	25.0	1	08/21/25	08/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/25	08/22/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*08/21/25*	*08/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2534100
Chloride	ND	20.0	1	08/21/25	08/21/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	8/27/2025 9:02:41AM

CS17

E508225-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Benzene	ND	0.0250	1	08/20/25	08/21/25	
Ethylbenzene	ND	0.0250	1	08/20/25	08/21/25	
Toluene	ND	0.0250	1	08/20/25	08/21/25	
o-Xylene	**0.140**	0.0250	1	08/20/25	08/21/25	
p,m-Xylene	**0.561**	0.0500	1	08/20/25	08/21/25	
Total Xylenes	**0.701**	0.0250	1	08/20/25	08/21/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: Toluene-d8		*99.0 %*	*70-130*	*08/20/25*	*08/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Gasoline Range Organics (C6-C10)	**34.2**	20.0	1	08/20/25	08/21/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: Toluene-d8		*99.0 %*	*70-130*	*08/20/25*	*08/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2534093
Diesel Range Organics (C10-C28)	**99.7**	25.0	1	08/21/25	08/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/25	08/22/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*08/21/25*	*08/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2534100
Chloride	ND	20.0	1	08/21/25	08/21/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	8/27/2025 9:02:41AM

CS18

E508225-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Benzene	ND	0.0250	1	08/20/25	08/21/25	
Ethylbenzene	ND	0.0250	1	08/20/25	08/21/25	
Toluene	ND	0.0250	1	08/20/25	08/21/25	
o-Xylene	ND	0.0250	1	08/20/25	08/21/25	
p,m-Xylene	ND	0.0500	1	08/20/25	08/21/25	
Total Xylenes	ND	0.0250	1	08/20/25	08/21/25	
Surrogate: Bromofluorobenzene		*96.7 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*08/20/25*	*08/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/20/25	08/21/25	
Surrogate: Bromofluorobenzene		*96.7 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*08/20/25*	*08/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2534093
Diesel Range Organics (C10-C28)	**79.5**	25.0	1	08/21/25	08/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/25	08/22/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*08/21/25*	*08/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2534100
Chloride	ND	20.0	1	08/21/25	08/21/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	8/27/2025 9:02:41AM

CS19

E508225-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Benzene	ND	0.0250	1	08/20/25	08/21/25	
Ethylbenzene	ND	0.0250	1	08/20/25	08/21/25	
Toluene	ND	0.0250	1	08/20/25	08/21/25	
o-Xylene	ND	0.0250	1	08/20/25	08/21/25	
p,m-Xylene	ND	0.0500	1	08/20/25	08/21/25	
Total Xylenes	ND	0.0250	1	08/20/25	08/21/25	
Surrogate: Bromofluorobenzene		*98.2 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*08/20/25*	*08/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/20/25	08/21/25	
Surrogate: Bromofluorobenzene		*98.2 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*08/20/25*	*08/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2534093
Diesel Range Organics (C10-C28)	**53.7**	25.0	1	08/21/25	08/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/25	08/22/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*08/21/25*	*08/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2534100
Chloride	ND	20.0	1	08/21/25	08/21/25	

Sample Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	8/27/2025 9:02:41AM

CS20

E508225-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Benzene	ND	0.0250	1	08/20/25	08/21/25	
Ethylbenzene	ND	0.0250	1	08/20/25	08/21/25	
Toluene	ND	0.0250	1	08/20/25	08/21/25	
o-Xylene	ND	0.0250	1	08/20/25	08/21/25	
p,m-Xylene	ND	0.0500	1	08/20/25	08/21/25	
Total Xylenes	ND	0.0250	1	08/20/25	08/21/25	
Surrogate: Bromofluorobenzene		*96.2 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*08/20/25*	*08/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2534082
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/20/25	08/21/25	
Surrogate: Bromofluorobenzene		*96.2 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*70-130*	*08/20/25*	*08/21/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*08/20/25*	*08/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2534093
Diesel Range Organics (C10-C28)	**79.6**	25.0	1	08/21/25	08/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/25	08/22/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*08/21/25*	*08/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2534100
Chloride	ND	20.0	1	08/21/25	08/21/25	

QC Summary Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Mitch Killough	8/27/2025 9:02:41AM

Volatile Organic Compounds by EPA 8260B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2534082-BLK1)									Prepared: 08/20/25 Analyzed: 08/20/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.476*		*0.500*		*95.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.489*		*0.500*		*97.7*	*70-130*			
Surrogate: Toluene-d8	*0.506*		*0.500*		*101*	*70-130*			
LCS (2534082-BS1)									Prepared: 08/20/25 Analyzed: 08/20/25
Benzene	2.24	0.0250	2.50		89.6	70-130			
Ethylbenzene	2.40	0.0250	2.50		96.0	70-130			
Toluene	2.38	0.0250	2.50		95.1	70-130			
o-Xylene	2.23	0.0250	2.50		89.2	70-130			
p,m-Xylene	4.54	0.0500	5.00		90.8	70-130			
Total Xylenes	6.77	0.0250	7.50		90.3	70-130			
Surrogate: Bromofluorobenzene	*0.474*		*0.500*		*94.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.500*		*0.500*		*99.9*	*70-130*			
Surrogate: Toluene-d8	*0.518*		*0.500*		*104*	*70-130*			
Matrix Spike (2534082-MS1)				**Source: E508225-07**					Prepared: 08/20/25 Analyzed: 08/20/25
Benzene	2.27	0.0250	2.50	ND	90.8	48-131			
Ethylbenzene	2.41	0.0250	2.50	ND	96.5	45-135			
Toluene	2.48	0.0250	2.50	ND	99.3	48-130			
o-Xylene	2.27	0.0250	2.50	ND	90.8	43-135			
p,m-Xylene	4.61	0.0500	5.00	ND	92.2	43-135			
Total Xylenes	6.88	0.0250	7.50	ND	91.7	43-135			
Surrogate: Bromofluorobenzene	*0.477*		*0.500*		*95.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.519*		*0.500*		*104*	*70-130*			
Surrogate: Toluene-d8	*0.519*		*0.500*		*104*	*70-130*			
Matrix Spike Dup (2534082-MSD1)				**Source: E508225-07**					Prepared: 08/20/25 Analyzed: 08/20/25
Benzene	2.31	0.0250	2.50	ND	92.5	48-131	1.85	23	
Ethylbenzene	2.48	0.0250	2.50	ND	99.1	45-135	2.66	27	
Toluene	2.46	0.0250	2.50	ND	98.4	48-130	0.890	24	
o-Xylene	2.39	0.0250	2.50	ND	95.6	43-135	5.15	27	
p,m-Xylene	4.83	0.0500	5.00	ND	96.6	43-135	4.70	27	
Total Xylenes	7.22	0.0250	7.50	ND	96.3	43-135	4.85	27	
Surrogate: Bromofluorobenzene	*0.487*		*0.500*		*97.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.506*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.517*		*0.500*		*103*	*70-130*			

QC Summary Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Mitch Killough	8/27/2025 9:02:41AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2534082-BLK1)									Prepared: 08/20/25 Analyzed: 08/20/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.476*		*0.500*		*95.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.489*		*0.500*		*97.7*	*70-130*			
Surrogate: Toluene-d8	*0.506*		*0.500*		*101*	*70-130*			
LCS (2534082-BS2)									Prepared: 08/20/25 Analyzed: 08/20/25
Gasoline Range Organics (C6-C10)	58.3	20.0	50.0		117	70-130			
Surrogate: Bromofluorobenzene	*0.492*		*0.500*		*98.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		*0.500*		*96.7*	*70-130*			
Surrogate: Toluene-d8	*0.522*		*0.500*		*104*	*70-130*			
Matrix Spike (2534082-MS2)				**Source: E508225-07**					Prepared: 08/20/25 Analyzed: 08/20/25
Gasoline Range Organics (C6-C10)	58.3	20.0	50.0	ND	117	70-130			
Surrogate: Bromofluorobenzene	*0.481*		*0.500*		*96.1*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.499*		*0.500*		*99.8*	*70-130*			
Surrogate: Toluene-d8	*0.530*		*0.500*		*106*	*70-130*			
Matrix Spike Dup (2534082-MSD2)				**Source: E508225-07**					Prepared: 08/20/25 Analyzed: 08/20/25
Gasoline Range Organics (C6-C10)	58.3	20.0	50.0	ND	117	70-130	0.0926	20	
Surrogate: Bromofluorobenzene	*0.495*		*0.500*		*98.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.487*		*0.500*		*97.3*	*70-130*			
Surrogate: Toluene-d8	*0.510*		*0.500*		*102*	*70-130*			

QC Summary Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Mitch Killough	8/27/2025 9:02:41AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2534093-BLK1)									Prepared: 08/21/25 Analyzed: 08/25/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*53.3*		*50.0*		*107*	*61-141*			
LCS (2534093-BS1)									Prepared: 08/21/25 Analyzed: 08/25/25
Diesel Range Organics (C10-C28)	298	25.0	250		119	66-144			
Surrogate: n-Nonane	*52.5*		*50.0*		*105*	*61-141*			
Matrix Spike (2534093-MS1)				**Source: E508225-09**					Prepared: 08/21/25 Analyzed: 08/26/25
Diesel Range Organics (C10-C28)	323	25.0	250	41.9	112	56-156			
Surrogate: n-Nonane	*51.6*		*50.0*		*103*	*61-141*			
Matrix Spike Dup (2534093-MSD1)				**Source: E508225-09**					Prepared: 08/21/25 Analyzed: 08/26/25
Diesel Range Organics (C10-C28)	324	25.0	250	41.9	113	56-156	0.442	20	
Surrogate: n-Nonane	*50.2*		*50.0*		*100*	*61-141*			

QC Summary Data

Hilcorp Energy Co	Project Name:	Moore LS 6B	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Mitch Killough	8/27/2025 9:02:41AM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2534100-BLK1)									Prepared: 08/21/25 Analyzed: 08/21/25
Chloride	ND	20.0							
LCS (2534100-BS1)									Prepared: 08/21/25 Analyzed: 08/21/25
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2534100-MS1)				**Source: E508225-03**					Prepared: 08/21/25 Analyzed: 08/21/25
Chloride	254	20.0	250	ND	102	80-120			
Matrix Spike Dup (2534100-MSD1)				**Source: E508225-03**					Prepared: 08/21/25 Analyzed: 08/21/25
Chloride	253	20.0	250	ND	101	80-120	0.196	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:	Moore LS 6B	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	08/27/25 09:02

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

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

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

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Hilcorp Energy Company	Company:	Lab WO# E508225	Job Number 17051-0002	1D 2D 3D Std: Std	NM CO UT TX: NM
Project Name: Moore LS 6B	Address: SAME			
Project Manager: Mitch Killough	City, State, Zip: AS			
Address:	Phone:			
City, State, Zip:	Email: CLIENT			
Phone:	Miscellaneous:			
Email: mkillough@hilcorp.com				

Analysis and Method / **EPA Program**

SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	Sample Temp	Remarks
1000	8/20/25	soil	one 2 oz	CS01		1								X		4.8	
1002				CS02		2										4.6	
1004				CS03		3										4.4	
1005				CS04		4										5.0	
1013				CS05		5										5.2	
1009				CS06		6										4.8	
1016				CS07		7										4.6	
1014				CS08		8										4.5	
1023				CS09		9										4.2	
1018	8/20/25	soil	one 2 oz	CS10		10								X		5.1	

Additional Instructions: cc: shyde@ensolum.com ; ofroelich@ensolum.com

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

Sampled by: CP

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	8/20/25	1216		8.20.25	12:20

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

Lab Use Only

Received on ice: (Y) N

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

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

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

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Hilcorp Energy Company	Company:	Lab WO# E508225	Job Number 17051-0002	1D 2D 3D Std: Std	NM CO UT TX: NM
Project Name: Moore LS 6E	Address: SAME AS CLIENT			
Project Manager: Mitch Killough	City, State, Zip:			
Address:	Phone:			
City, State, Zip:	Email:			
Phone:	Miscellaneous:			
Email: mkillough@hilcorp.com				

Analysis and Method

EPA Program

SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1029	8/20/25	Soil	one 4 oz	C511		11									X			4.4	
1032				C512		12												4.8	
1038				C513		13												4.6	
1040				C514		14												4.5	
1045				C515		15												4.5	
1053				C516		16												5.0	
1059				C517		17												5.0	
1050				C518		18												5.1	
1105				C519		19												5.2	
1111	8/20/25	Soil	one 2 oz	C520		20									X			5.0	

Additional Instructions: cc: shyde@ensolum.com ; ofroelich@ensolum.com

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

Sampled by: DF

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	8/20/25	1216	Caitlin Mars	8.20.25	12:20

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

Lab Use Only

Received on ice: (Y) N

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

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

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

Envirotech Analytical Laboratory

Printed: 8/20/2025 12:57:54PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Hilcorp Energy Co	Date Received:	08/20/25 12:20	Work Order ID:	E508225
Phone:	-	Date Logged In:	08/20/25 12:33	Logged In By:	Noe Soto
Email:	mkillough@hilcorp.com	Due Date:	08/27/25 07:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Osgood Froelich
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

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

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 501006

QUESTIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 501006
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2206056316**
Incident Name	**NAPP2206056316 MOORE LS 6B @ 30-045-30564**
Incident Type	**Other**
Incident Status	**Remediation Closure Report Received**
Incident Well	**[30-045-30564] MOORE LS #006B**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	MOORE LS 6B
Date Release Discovered	02/14/2022
Surface Owner	Private

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	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Cause: Vandalism | Production Tank | Condensate | Released: 42 BBL | Recovered: 0 BBL | Lost: 42 BBL.
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	This incident occurred due to two bullet holes in the condensate storage tank at 1' 8" from the bottom of the vessel.

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

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https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 501006
	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	False
If all the actions described above have not been undertaken, explain why	When the condensate storage tank drained out, the spilled fluids flowed downgradient immediately adjacent to the BGT and the fluids soaked into the ground. All of this occurred within a secondary containment berm, but no fluids could be recovered following this act of vandalism.

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

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

I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 09/02/2025

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

General Information
Phone: (505) 629-6116

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

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 501006
	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 75 and 100 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 300 and 500 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 300 and 500 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	None
A 100-year floodplain	Between 300 and 500 (ft.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	350
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	2340
GRO+DRO (EPA SW-846 Method 8015M)	2340
BTEX (EPA SW-846 Method 8021B or 8260B)	109.2
Benzene (EPA SW-846 Method 8021B or 8260B)	0.3
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	09/25/2024
On what date will (or did) the final sampling or liner inspection occur	09/25/2024
On what date will (or was) the remediation complete(d)	09/25/2024
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	800
What is the estimated volume (in cubic yards) that will be remediated	500
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

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	No
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	Yes
Which OCD approved facility will be used for **on-site** disposal	*Not answered.*
OR which OCD approved well (API) will be used for **on-site** disposal	30-045-30564 MOORE LS #006B
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 06/25/2024
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.	

OCD Permitting

An Unexpected Error Has Occurred

Please restart your browser and try to complete this action again. If you continue to experience this issue please contact an OCD representative.

Thank you.

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QUESTIONS (continued)

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	Action Number: 501006
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**496385**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**08/20/2025**
What was the (estimated) number of samples that were to be gathered	**22**
What was the sampling surface area in square feet	**40000**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1500
What was the total volume (cubic yards) remediated	850
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	N/A

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

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

I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 09/02/2025

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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

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 501006
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	9/16/2025