ENSOLUM

May 16, 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
OHIO D GOVT 3
San Juan County, New Mexico
Hilcorp Energy Company
NMOCD Incident No: nAPP2436219016

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Hilcorp Energy Company (Hilcorp), presents this *Remediation Report and Closure Request* for a release at the OHIO D GOVT 3 natural gas production well (Site). The Site is located on private land in Unit D, Section 08, Township 31 North, Range 12 West, San Juan County, New Mexico (Figure 1). This report summarizes excavation and confirmation soil sampling activities conducted to remediate soil impacted by the release.

SITE BACKGROUND

On December 26, 2024, a Hilcorp lease operator observed fluids overflowing from the southeast open-top 120-barrel (bbl) below grade storage tank (BGT) during a routine Audio, Visual, and Olfactory (AVO) inspection. The well was immediately shut in, and it was determined the tank's high-level alarm had malfunctioned and failed to activate. Hilcorp's Instrumentation and Electrical (I&E) team plans to diagnose the cause of the alarm failure. All spilled fluids were contained within the BGT cellar's cribbing and did not migrate off location. A water truck was dispatched the same day and recovered approximately 20 bbls of fluid from within the cribbing. Based on gauging records, the total release volume was 62 bbls of produced water, with an estimated 42 bbls unrecovered. Hilcorp requested that Ensolum conduct hand auger delineation in the area surrounding the BGT cribbing. The release was reported to the New Mexico Oil Conservation Division (NMOCD) via a Release Notification Form C-141 on December 27, 2024, and was assigned Site Incident Number nAPP2436219016.

SITE CHARACTERIZATION

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

GEOLOGY AND HYDROGEOLOGY

The Site is located within the Nacimiento Geologic Formation. In the report titled "*Hydrogeology and Water Resources of San Juan Basin, New Mexico*" (Stone, et. al., 1983), the Nacimiento Formation is characterized by interbedded black carbonaceous mudstones and white, coarse-

grained sandstones, which ranges in thickness from 418 feet to 2,232 feet. The hydrogeologic properties of the Nacimiento Formation display variable hydrogeologic properties dependent on location. Where sufficient yield is present, the primary use of water from this formation is for domestic and/or livestock supply. The Nacimiento Formation is underlain by the Ojo Alamo sandstone (Stone et al., 1983).

POTENTIAL SENSITIVE RECEPTORS

Potential nearby receptors were assessed through desktop reviews of United States Geological Survey (USGS) topographic maps, National Wetland Inventory (NWI), National Hydrography Dataset (NHD) Geographic Information System (GIS) maps, New Mexico Office of the State Engineer (NMOSE) database, aerial photographs, and Site-specific observations.

The Site is located approximately 240 feet north of a wetland. The nearest available depth-to-groundwater data point is a domestic and stock water well (NMOSE permit SJ-02904), located approximately 5,816 feet southeast of the Site, with a reported depth to water of 142 feet below ground surface (bgs).

The release did not impact groundwater or surface water. The Site is more than 300 feet from any continuously flowing or significant watercourse, more than 200 feet from any lakebed, sinkhole, or playa lake, and more than 1,000 feet from any other freshwater well or spring. The Site does not overlie a subsurface mine or fall within an area designated by the Bureau of Land Management as having high potential for karst or unstable geology. Additionally, there are no schools, hospitals, institutions, churches, or other occupied permanent structures within 300 feet of the Site. The Site is not located within a 100-year floodplain. A receptor map is provided as Figure 1.

SITE CLOSURE CRITERIA

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

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

DELINEATION AND SOIL SAMPLING ACTIVITIES

Ensolum personnel conducted initial delineation activities using a hand auger on January 24, 2025. A notification of sampling activities was provided to the NMOCD prior to the delineation work and is included as Appendix A. Sampling location HA01 was advanced within the BGT cribbing at the northwest corner. Sampling locations HA02 through HA04 were advanced at the remaining corners of the cribbing in a clockwise direction (Figure 2).

During delineation, an Ensolum geologist assessed the soil for petroleum hydrocarbon staining and odors; none were observed. Soil samples were field screened for organic vapors using a calibrated photoionization detector (PID) and chloride concentrations were screened using Hach® chloride QuanTab® test strips. Based on field screening results, at least two soil samples were collected from each boring directly into laboratory-provided jars and immediately placed on ice. Samples were collected from the depth interval showing the greatest impacts, as indicated by field screening, and from the terminal depth of the boring. Soil descriptions were recorded in the

field book. Samples were submitted to Eurofins Environment Testing (Eurofins) in Albuquerque, New Mexico, for analysis of TPH following EPA Method 8015M/D, BTEX following EPA Method 8021B, and chloride following EPA Method 300.0.

Based on the initial laboratory analytical results, Ensolum conducted additional delineation activities using a hand auger on February 24, 2025. Two additional boreholes (HA05 and HA06) were advanced at the Site. During these activities, Ensolum personnel logged lithology and field screened soils in the same manner described previously. Two soil samples were collected from each boring directly into laboratory-provided jars and immediately placed on ice. Samples were submitted to EnviroTech Laboratory for analysis of BTEX, TPH, and chloride using the same EPA methods described above. Photographs taken during the delineation activities are provided in Appendix B, and all hand auger borehole locations are shown on Figure 2.

BTEX and TPH were either not detected or were below applicable Closure Criteria in all hand auger borings. Chloride exceeded the NMOCD Closure Criteria at HA01, with a concentration of 650 mg/kg at 0–1 feet bgs. Chloride concentrations in all other samples were below the applicable criteria. Analytical results are summarized in Table 1 and shown on Figure 2; complete laboratory reports are provided in Appendix C.

EXCAVATION SOIL SAMPLING ACTIVITIES

Based on the delineation results described above, excavation and offsite disposal were selected as the appropriate remedial action for the Site. Excavation was completed on April 1, 2025, following the removal of the BGT and cribbing. Notification of the planned remediation and sampling activities was submitted to the NMOCD at least two business days in advance, with a copy of the correspondence provided in Appendix A.

During excavation, Ensolum personnel used a calibrated PID and chloride test strips to field screen soils for organic vapors and chloride, respectively, guiding the extent of excavation. Once field screening indicated impacted soil had been removed, confirmation soil samples were collected from the excavation floor (FS01) and sidewalls (SW01 and SW02). Samples were collected at a frequency of one per 200 square feet, in accordance with NMOCD requirements. Floor samples were collected from a depth of approximately 3 feet bgs, and sidewall samples were collected from the ground surface to a depth of 3 feet bgs. The location of the excavation samples and excavation extent is shown on Figure 3.

Each confirmation sample was a five-point composite, prepared by placing equal aliquots of soil into a resealable plastic bag, homogenizing the sample, and transferring the material into laboratory-supplied containers. Samples were transported under strict chain-of-custody procedures to Eurofins for analysis of TPH, BTEX, and chloride using the methods described above.

Analytical results indicated all confirmation samples met the NMOCD Table I Closure Criteria for TPH, BTEX, and chloride. The excavation covered an aerial extent of approximately 50 square feet, with about 5.5 cubic yards of impacted soil removed and transported to the Envirotech Landfarm in San Juan County, New Mexico for disposal. A summary of confirmation soil sample results is provided in Table 1. Photographs documenting excavation activities are provided in Appendix B, with complete laboratory reports included in Appendix C.

CLOSURE REQUEST

Excavation and confirmation soil sampling activities were completed at the Site to address the release from December 2024. Laboratory analytical results from confirmation soil samples collected from the final excavation extent demonstrated all COC concentrations were below the applicable NMOCD Table I Closure Criteria and satisfied the reclamation requirements. As a result, no further remedial action is warranted. Excavation of impacted soil has effectively mitigated the release and eliminated potential exposure pathways to human health, the environment, and groundwater. Accordingly, Hilcorp respectfully requests regulatory closure of Incident Number nAPP2436219016.

REFERENCES

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

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

Sincerely,
Ensolum, LLC

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

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

cc: Hilcorp

Attachments:

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

Table 1: Soil Sample Analytical Results

Appendix A: Agency Correspondence
Appendix B: Photographic Log
Appendix C: Laboratory Analytical Reports

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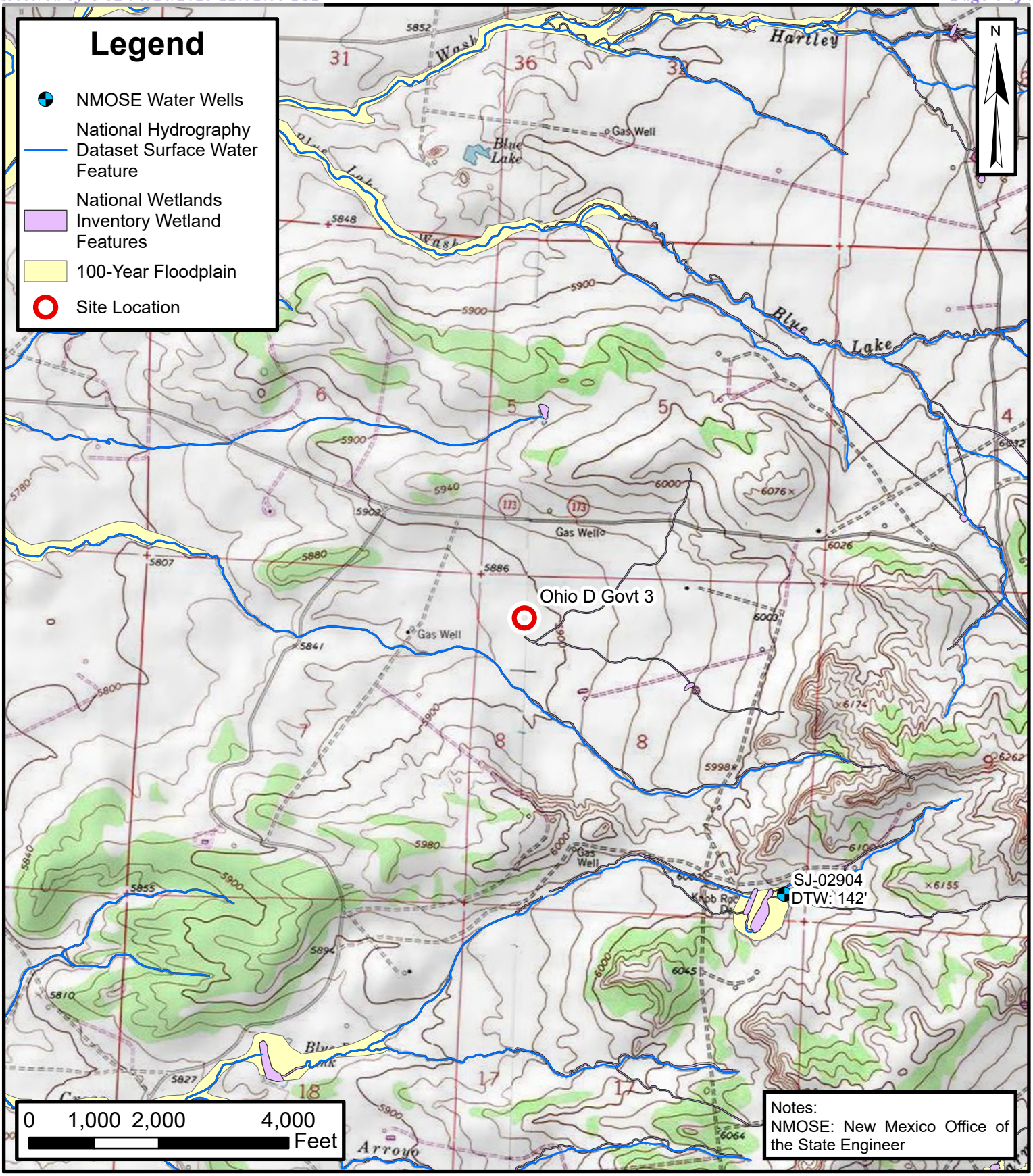
FIGURES



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ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Site Receptor Map

OHIO D GOVT 3
Hilcorp Energy Company
36.91889, -108.12484
San Juan County, New Mexico

FIGURE
1

Default Folder: C:\Users\Wes Welchert\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\Hilcorp\Ohio D Govt 3\Greg\Ohio D Govt 3

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Delineation Soil Sample Locations

OHIO D GOVT 3
Hilcorp Energy Company
36.91889, -108.12484
San Juan County, New Mexico

FIGURE
2

Sources: Google Earth (2019)

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Excavation Soil Sample Locations

OHIO D GOVT 3
Hilcorp Energy Company
36.91889, -108.12484
San Juan County, New Mexico

FIGURE
3

Sources: Google Earth (2019)

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TABLES

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Ohio D Govt 3
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)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Closure Criteria for Soils Impacted by a Release			NE	**10**	NE	NE	NE	**50**	NE	NE	NE	**100**	**600**
Hand Auger Delineation													
HA01@0-1	1/24/2025	0-1	0.5	<0.021	<0.042	<0.042	<0.083	<0.083	<4.2	<9.4	<47	<47	**650**
HA01@9	1/24/2025	9	1.2	<0.018	<0.036	<0.036	<0.072	<0.072	<3.6	<9.8	<49	<49	<60
HA02@0-1	1/24/2025	0-1	NA	<0.019	<0.039	<0.039	<0.077	<0.077	<3.9	<9.3	<47	<47	560
HA02@9	1/24/2025	9	NA	<0.018	<0.036	<0.036	<0.071	<0.071	<3.6	<9.5	<48	<48	100
HA03@0-1	1/24/2025	0-1	0.3	<0.019	<0.037	<0.037	<0.075	<0.075	<3.7	<9.6	<48	<48	430
HA03@9	1/24/2025	9	0.4	<0.018	<0.036	<0.036	<0.072	<0.072	<3.6	<9.5	<47	<47	<60
HA04@0-1	1/24/2025	0-1	0.5	<0.017	<0.034	<0.034	<0.068	<0.068	<3.4	<9.3	<46	<46	190
HA04@2.5	1/24/2025	2.5	0.4	<0.019	<0.039	<0.039	<0.077	<0.077	<3.9	<9.7	<49	<49	140
HA05@2	2/24/2025	2	0.4	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
HA05@8	2/24/2025	8	0.7	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
HA05@12	2/24/2025	12	0.6	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
HA06@4	2/24/2025	4	1.5	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	24.0
HA06@6	2/24/2025	6	1.3	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	55.6
HA06@12	2/24/2025	12	0.5	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	42.7
Excavation Confirmation Samples													
FS01	4/1/2025			<0.023	<0.045	<0.045	<0.091	<0.091	<4.5	<9.3	<47	<47	<60
SW01	4/1/2025			<0.019	<0.038	<0.038	<0.076	<0.076	<3.8	<9.2	<46	<46	<60
SW02	4/1/2025			<0.018	<0.036	<0.036	<0.072	<0.072	<3.6	<9.3	<47	<47	<60

Notes:

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

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APPENDIX A

Agency Notifications

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 422703

QUESTIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 422703
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2436219016**
Incident Name	**NAPP2436219016 OHIO D GOVT 3 @ 30-045-31822**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-045-31822] OHIO D GOVT #003**

Location of Release Source	
Site Name	**Ohio D Govt 3**
Date Release Discovered	**12/26/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	2,000
What is the estimated number of samples that will be gathered	10
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/28/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Contact PM Stuart Hyde 9709031607
Please provide any information necessary for navigation to sampling site	Ohio D Govt 3 (30-045-31822), 36.91889, -108.12484, Delineation sampling. potholing with excavator. sampling will occur on 01/28/2025 and 01/29/2025

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 422703
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
shyde	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	1/21/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 423783

QUESTIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 423783
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2436219016**
Incident Name	**NAPP2436219016 OHIO D GOVT 3 @ 30-045-31822**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-045-31822] OHIO D GOVT #003**

Location of Release Source	
Site Name	**Ohio D Govt 3**
Date Release Discovered	**12/26/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	2,000
What is the estimated number of samples that will be gathered	10
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/29/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Contact PM Stuart Hyde - 970-903-1607
Please provide any information necessary for navigation to sampling site	Ohio D Govt 3 (30-045-31822), 36.91889, -108.12484, Delineation sampling. Potholing with excavator. Sampling will occur on 01/29/2025 starting at 9AM.

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 423783
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
shyde	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	1/22/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 423094

QUESTIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 423094
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2436219016**
Incident Name	**NAPP2436219016 OHIO D GOVT 3 @ 30-045-31822**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-045-31822] OHIO D GOVT #003**

Location of Release Source	
Site Name	**Ohio D Govt 3**
Date Release Discovered	**12/26/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	2,000
What is the estimated number of samples that will be gathered	8
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/24/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Contact PM Stuart Hyde 970-903-1607
Please provide any information necessary for navigation to sampling site	Ohio D Govt 3 (30-045-31822), 36.91889, -108.12484, Delineation sampling. Hand Auger sampling up to 12' BGS, sampling will occur on 01/24/2025

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 423094
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
shyde	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	1/21/2025

Wes Weichert

From: Peter Anderson
Sent: Wednesday, January 22, 2025 9:09 AM
To: aadeloye@blm.gov
Cc: Stuart Hyde; Wes Weichert
Subject: Ohio D Govt 3 (30-045-31822) Sampling Notification

Emmanuel,

On behalf of Hilcorp Energy Company, Ensolum is submitting this notification for soil sampling and delineation activities at the Ohio D Govt 3 (30-045-31822) Coordinates of the site are 36.9189644, -108.1254883 . The sampling and hand auger delineation is scheduled for Friday January 24, 2025, at 9 AM and we plan to return to the site with an excavator Wednesday January 29, 2025, at 9AM.

Please reach out with any questions.

Best Regards,

Pete Anderson
Staff Geologist
801-661-2214
Ensolum, LLC

"For the strength of the Pack is the Wolf, and the strength of the Wolf is the Pack."

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

Action 433173

QUESTIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 433173
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2436219016**
Incident Name	**NAPP2436219016 OHIO D GOVT 3 @ 30-045-31822**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-045-31822] OHIO D GOVT #003**

Location of Release Source	
Site Name	**Ohio D Govt 3**
Date Release Discovered	**12/26/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	2,000
What is the estimated number of samples that will be gathered	10
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/24/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Contact PM Stuart Hyde 970-903-1607
Please provide any information necessary for navigation to sampling site	Ohio D Govt 3 (30-045-31822), 36.91889, -108.12484, Delineation and excavation sampling will occur on 02/24/2025

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 433173

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 433173
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
shyde	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	2/18/2025

From: OCDOnline@state.nm.us
To: Stuart Hyde
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 445682
Date: Wednesday, March 26, 2025 7:45:27 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#) nAPP2436219016.

The sampling event is expected to take place:

When: 04/01/2025 @ 09:00
Where: D-08-31N-12W 660 FNL 755 FWL (36.918961,-108.124839)

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

Additional Instructions: Ohio D Govt 3 (30-045-31822), 36.91889, -108.12484 excavation sampling

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

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

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

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

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 445682

QUESTIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 445682
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2436219016**
Incident Name	**NAPP2436219016 OHIO D GOVT 3 @ 30-045-31822**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-045-31822] OHIO D GOVT #003**

Location of Release Source	
Site Name	**OHIO D GOVT 3**
Date Release Discovered	**12/26/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	400
What is the estimated number of samples that will be gathered	2
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/01/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Contact PM Stuart Hyde 970-903-1607
Please provide any information necessary for navigation to sampling site	Ohio D Govt 3 (30-045-31822), 36.91889, -108.12484 excavation sampling

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 445682
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
shyde	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/26/2025

From: Velez, Nelson, EMNRD
To: Wes Weichert; Enviro, OCD, EMNRD
Cc: Stuart Hyde; Mitch Killough
Subject: Re: [EXTERNAL] nAPP2436219016 - Hilcorp Energy Company - Ohio D Govt 3 Extension Request
Date: Monday, March 24, 2025 10:20:04 AM
Attachments: image001.png
image002.png
image003.png
image004.png
Outlook-ijj5jomn.png

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

Thank you for the correspondence. 90-day time extension request is approved. Remediation Due date has been updated to June 24, 2025.

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

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Thanks again and have a safe, productive day!

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: Wes Weichert <wweichert@ensolum.com>
Sent: Monday, March 24, 2025 9:30 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>

Cc: Stuart Hyde <shyde@ensolum.com>; Mitch Killough <mkillough@hilcorp.com>
Subject: [EXTERNAL] nAPP2436219016 - Hilcorp Energy Company - Ohio D Govt 3 Extension Request

Nelson,

On behalf of Hilcorp Energy Company, we are submitting this request for a 90-day extension to the reporting deadline for the Ohio D Govt 3 (30-045-31822) produced water release. The extent of the release has been fully delineated, and we are currently awaiting removal of the BGT and cribbing. Once this infrastructure is removed, we will proceed with excavation of the single chloride exceedance.

We respectfully request an extension of the reporting deadline from March 26, 2025, to June 24, 2025.

Please let us know if you have any questions.

Thank you,

Wes Weichert, PG*
**Licensed in Wyoming*
Project Geologist
816-266-8732
Ensolum, LLC

ENSOLUM

APPENDIX B

Photographic Log

ENSOLUM

Photographic Log
Hilcorp Energy Company
OHIO D GOVT 3
nAPP2436219016

Photograph: 1 Date: 1/24/2025
Description: Site Location
View: West

Photograph: 2 Date: 1/24/2025
Description: Staining and trash in cellar cribbing
View: Down

Photograph: 3 Date: 4/1/2025
Description: Excavation Activities
View: West

Photograph: 4 Date: 4/1/20205
Description: Final Excavation Extent
View: South

ENSOLUM

APPENDIX C

Laboratory Analytical Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mitch Killough
Hilcorp Energy
PO BOX 4700
Farmington, New Mexico 87499

Generated 1/29/2025 12:58:56 PM

JOB DESCRIPTION

Ohio D Govt 3

JOB NUMBER

885-18886-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Eurofins Albuquerque

Job Notes

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

Authorization

Generated
1/29/2025 12:58:56 PM

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

Client: Hilcorp Energy
Project/Site: Ohio D Govt 3

Laboratory Job ID: 885-18886-1

Table of Contents

Definitions/Glossary

Client: Hilcorp Energy
Project/Site: Ohio D Govt 3

Job ID: 885-18886-1

Glossary

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

Case Narrative

Client: Hilcorp Energy
Project: Ohio D Govt 3

Job ID: 885-18886-1

Job ID: 885-18886-1 Eurofins Albuquerque

Job Narrative
885-18886-1

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

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

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

Receipt
The samples were received on 1/25/2025 7:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.3°C.

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

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

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

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

Client Sample Results

Client: Hilcorp Energy
Project/Site: Ohio D Govt 3

Job ID: 885-18886-1

Client Sample ID: HA01@0-1

Date Collected: 01/24/25 15:48
Date Received: 01/25/25 07:45

Lab Sample ID: 885-18886-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.2		mg/Kg		01/27/25 09:44	01/28/25 10:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*35 - 166*	*01/27/25 09:44*	*01/28/25 10:35*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.021		mg/Kg		01/27/25 09:44	01/27/25 13:24	1
Ethylbenzene	ND		0.042		mg/Kg		01/27/25 09:44	01/27/25 13:24	1
Toluene	ND		0.042		mg/Kg		01/27/25 09:44	01/27/25 13:24	1
Xylenes, Total	ND		0.083		mg/Kg		01/27/25 09:44	01/27/25 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*48 - 145*	*01/27/25 09:44*	*01/27/25 13:24*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4		mg/Kg		01/27/25 09:29	01/27/25 11:50	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		01/27/25 09:29	01/27/25 11:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*100*		*62 - 134*	*01/27/25 09:29*	*01/27/25 11:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**650**		59		mg/Kg		01/27/25 07:52	01/27/25 14:24	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: Ohio D Govt 3

Job ID: 885-18886-1

Client Sample ID: HA01@9

Date Collected: 01/24/25 15:50
Date Received: 01/25/25 07:45

Lab Sample ID: 885-18886-2

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.6		mg/Kg		01/27/25 09:44	01/28/25 10:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*35 - 166*	*01/27/25 09:44*	*01/28/25 10:57*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.018		mg/Kg		01/27/25 09:44	01/27/25 13:46	1
Ethylbenzene	ND		0.036		mg/Kg		01/27/25 09:44	01/27/25 13:46	1
Toluene	ND		0.036		mg/Kg		01/27/25 09:44	01/27/25 13:46	1
Xylenes, Total	ND		0.072		mg/Kg		01/27/25 09:44	01/27/25 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*48 - 145*	*01/27/25 09:44*	*01/27/25 13:46*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8		mg/Kg		01/27/25 09:29	01/27/25 12:00	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		01/27/25 09:29	01/27/25 12:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*98*		*62 - 134*	*01/27/25 09:29*	*01/27/25 12:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		01/27/25 07:52	01/27/25 14:34	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: Ohio D Govt 3

Job ID: 885-18886-1

Client Sample ID: HA02@0-1

Date Collected: 01/24/25 15:52
Date Received: 01/25/25 07:45

Lab Sample ID: 885-18886-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.9		mg/Kg		01/27/25 09:45	01/28/25 11:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*35 - 166*	*01/27/25 09:45*	*01/28/25 11:19*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.019		mg/Kg		01/27/25 09:45	01/27/25 14:08	1
Ethylbenzene	ND		0.039		mg/Kg		01/27/25 09:45	01/27/25 14:08	1
Toluene	ND		0.039		mg/Kg		01/27/25 09:45	01/27/25 14:08	1
Xylenes, Total	ND		0.077		mg/Kg		01/27/25 09:45	01/27/25 14:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*48 - 145*	*01/27/25 09:45*	*01/27/25 14:08*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3		mg/Kg		01/27/25 09:29	01/27/25 12:32	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		01/27/25 09:29	01/27/25 12:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*97*		*62 - 134*	*01/27/25 09:29*	*01/27/25 12:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**560**		60		mg/Kg		01/27/25 07:52	01/27/25 15:05	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: Ohio D Govt 3

Job ID: 885-18886-1

Client Sample ID: HA02@9

Date Collected: 01/24/25 15:54
Date Received: 01/25/25 07:45

Lab Sample ID: 885-18886-4

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.6		mg/Kg		01/27/25 09:45	01/28/25 11:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*35 - 166*	*01/27/25 09:45*	*01/28/25 11:41*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.018		mg/Kg		01/27/25 09:45	01/27/25 14:30	1
Ethylbenzene	ND		0.036		mg/Kg		01/27/25 09:45	01/27/25 14:30	1
Toluene	ND		0.036		mg/Kg		01/27/25 09:45	01/27/25 14:30	1
Xylenes, Total	ND		0.071		mg/Kg		01/27/25 09:45	01/27/25 14:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*48 - 145*	*01/27/25 09:45*	*01/27/25 14:30*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5		mg/Kg		01/27/25 09:29	01/27/25 12:43	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		01/27/25 09:29	01/27/25 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*98*		*62 - 134*	*01/27/25 09:29*	*01/27/25 12:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**100**		60		mg/Kg		01/27/25 07:52	01/27/25 15:16	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: Ohio D Govt 3

Job ID: 885-18886-1

Client Sample ID: HA03@0-1

Date Collected: 01/24/25 15:56
Date Received: 01/25/25 07:45

Lab Sample ID: 885-18886-5

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.7		mg/Kg		01/27/25 09:45	01/28/25 12:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*35 - 166*	*01/27/25 09:45*	*01/28/25 12:03*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.019		mg/Kg		01/27/25 09:45	01/27/25 14:52	1
Ethylbenzene	ND		0.037		mg/Kg		01/27/25 09:45	01/27/25 14:52	1
Toluene	ND		0.037		mg/Kg		01/27/25 09:45	01/27/25 14:52	1
Xylenes, Total	ND		0.075		mg/Kg		01/27/25 09:45	01/27/25 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*48 - 145*	*01/27/25 09:45*	*01/27/25 14:52*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6		mg/Kg		01/27/25 09:29	01/27/25 12:53	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		01/27/25 09:29	01/27/25 12:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*98*		*62 - 134*	*01/27/25 09:29*	*01/27/25 12:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**430**		60		mg/Kg		01/27/25 07:52	01/27/25 15:26	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: Ohio D Govt 3

Job ID: 885-18886-1

Client Sample ID: HA03@9

Date Collected: 01/24/25 15:58
Date Received: 01/25/25 07:45

Lab Sample ID: 885-18886-6

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.6		mg/Kg		01/27/25 09:45	01/28/25 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*35 - 166*	*01/27/25 09:45*	*01/28/25 12:25*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.018		mg/Kg		01/27/25 09:45	01/27/25 15:14	1
Ethylbenzene	ND		0.036		mg/Kg		01/27/25 09:45	01/27/25 15:14	1
Toluene	ND		0.036		mg/Kg		01/27/25 09:45	01/27/25 15:14	1
Xylenes, Total	ND		0.072		mg/Kg		01/27/25 09:45	01/27/25 15:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*48 - 145*	*01/27/25 09:45*	*01/27/25 15:14*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5		mg/Kg		01/27/25 09:29	01/27/25 13:04	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		01/27/25 09:29	01/27/25 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*100*		*62 - 134*	*01/27/25 09:29*	*01/27/25 13:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		01/27/25 07:52	01/27/25 15:37	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: Ohio D Govt 3

Job ID: 885-18886-1

Client Sample ID: HA04@0-1

Date Collected: 01/24/25 16:00
Date Received: 01/25/25 07:45

Lab Sample ID: 885-18886-7

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.4		mg/Kg		01/27/25 09:45	01/28/25 12:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*35 - 166*	*01/27/25 09:45*	*01/28/25 12:47*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.017		mg/Kg		01/27/25 09:45	01/27/25 15:36	1
Ethylbenzene	ND		0.034		mg/Kg		01/27/25 09:45	01/27/25 15:36	1
Toluene	ND		0.034		mg/Kg		01/27/25 09:45	01/27/25 15:36	1
Xylenes, Total	ND		0.068		mg/Kg		01/27/25 09:45	01/27/25 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*48 - 145*	*01/27/25 09:45*	*01/27/25 15:36*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3		mg/Kg		01/27/25 09:29	01/27/25 13:15	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		01/27/25 09:29	01/27/25 13:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*97*		*62 - 134*	*01/27/25 09:29*	*01/27/25 13:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**190**		60		mg/Kg		01/27/25 07:52	01/27/25 15:47	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: Ohio D Govt 3

Job ID: 885-18886-1

Client Sample ID: HA04@2.5

Date Collected: 01/24/25 16:02
Date Received: 01/25/25 07:45

Lab Sample ID: 885-18886-8

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.9		mg/Kg		01/27/25 09:45	01/28/25 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*35 - 166*	*01/27/25 09:45*	*01/28/25 13:09*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.019		mg/Kg		01/27/25 09:45	01/27/25 15:59	1
Ethylbenzene	ND		0.039		mg/Kg		01/27/25 09:45	01/27/25 15:59	1
Toluene	ND		0.039		mg/Kg		01/27/25 09:45	01/27/25 15:59	1
Xylenes, Total	ND		0.077		mg/Kg		01/27/25 09:45	01/27/25 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*48 - 145*	*01/27/25 09:45*	*01/27/25 15:59*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7		mg/Kg		01/27/25 09:29	01/27/25 13:25	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		01/27/25 09:29	01/27/25 13:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*98*		*62 - 134*	*01/27/25 09:29*	*01/27/25 13:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**140**		60		mg/Kg		01/27/25 07:52	01/27/25 15:57	20

QC Sample Results

Client: Hilcorp Energy
Project/Site: Ohio D Govt 3

Job ID: 885-18886-1

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

Lab Sample ID: MB 885-19867/1-A
Matrix: Solid
Analysis Batch: 19927

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19867

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0		mg/Kg		01/27/25 09:44	01/28/25 10:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*35 - 166*	*01/27/25 09:44*	*01/28/25 10:13*	*1*

Lab Sample ID: LCS 885-19867/2-A
Matrix: Solid
Analysis Batch: 19927

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19867

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]			25.0	21.2		mg/Kg		85	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*193*		*35 - 166*

Lab Sample ID: 885-18886-1 MS
Matrix: Solid
Analysis Batch: 19927

Client Sample ID: HA01@0-1
Prep Type: Total/NA
Prep Batch: 19867

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]	ND		20.8	16.9		mg/Kg		81	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*183*		*35 - 166*

Lab Sample ID: 885-18886-1 MSD
Matrix: Solid
Analysis Batch: 19927

Client Sample ID: HA01@0-1
Prep Type: Total/NA
Prep Batch: 19867

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	ND		20.8	16.0		mg/Kg		77	70 - 130	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*181*		*35 - 166*

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-19867/1-A
Matrix: Solid
Analysis Batch: 19872

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19867

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		01/27/25 09:44	01/27/25 13:02	1
Ethylbenzene	ND		0.050		mg/Kg		01/27/25 09:44	01/27/25 13:02	1
Toluene	ND		0.050		mg/Kg		01/27/25 09:44	01/27/25 13:02	1

QC Sample Results

Client: Hilcorp Energy
Project/Site: Ohio D Govt 3

Job ID: 885-18886-1

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

Lab Sample ID: MB 885-19867/1-A
Matrix: Solid
Analysis Batch: 19872

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19867

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.10		mg/Kg		01/27/25 09:44	01/27/25 13:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*48 - 145*	*01/27/25 09:44*	*01/27/25 13:02*	*1*

Lab Sample ID: LCS 885-19867/3-A
Matrix: Solid
Analysis Batch: 19872

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19867

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			1.00	0.818		mg/Kg		82	70 - 130		
Ethylbenzene			1.00	0.852		mg/Kg		85	70 - 130		
m&p-Xylene			2.00	1.70		mg/Kg		85	70 - 130		
o-Xylene			1.00	0.866		mg/Kg		87	70 - 130		
Toluene			1.00	0.841		mg/Kg		84	70 - 130		
Xylenes, Total			3.00	2.56		mg/Kg		85	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*48 - 145*

Lab Sample ID: 885-18886-2 MS
Matrix: Solid
Analysis Batch: 19872

Client Sample ID: HA01@9
Prep Type: Total/NA
Prep Batch: 19867

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		0.724	0.538		mg/Kg		74	70 - 130		
Ethylbenzene	ND		0.724	0.576		mg/Kg		80	70 - 130		
m&p-Xylene	ND		1.45	1.13		mg/Kg		78	70 - 130		
o-Xylene	ND		0.724	0.576		mg/Kg		80	70 - 130		
Toluene	ND		0.724	0.553		mg/Kg		76	70 - 130		
Xylenes, Total	ND		2.17	1.71		mg/Kg		79	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*48 - 145*

Lab Sample ID: 885-18886-2 MSD
Matrix: Solid
Analysis Batch: 19872

Client Sample ID: HA01@9
Prep Type: Total/NA
Prep Batch: 19867

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.724	0.535		mg/Kg		74	70 - 130	1	20
Ethylbenzene	ND		0.724	0.566		mg/Kg		78	70 - 130	2	20
m&p-Xylene	ND		1.45	1.13		mg/Kg		78	70 - 130	0	20
o-Xylene	ND		0.724	0.572		mg/Kg		79	70 - 130	1	20
Toluene	ND		0.724	0.543		mg/Kg		75	70 - 130	2	20
Xylenes, Total	ND		2.17	1.70		mg/Kg		78	70 - 130	0	20

QC Sample Results

Client: Hilcorp Energy
Project/Site: Ohio D Govt 3

Job ID: 885-18886-1

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

Lab Sample ID: 885-18886-2 MSD
Matrix: Solid
Analysis Batch: 19872

Client Sample ID: HA01@9
Prep Type: Total/NA
Prep Batch: 19867

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

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

Lab Sample ID: MB 885-19860/1-A
Matrix: Solid
Analysis Batch: 19855

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19860

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		01/27/25 09:29	01/27/25 11:29	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		01/27/25 09:29	01/27/25 11:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	*96*		*62 - 134*	*01/27/25 09:29*	*01/27/25 11:29*	*1*

Lab Sample ID: LCS 885-19860/2-A
Matrix: Solid
Analysis Batch: 19855

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19860

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			50.0	49.4		mg/Kg		99	60 - 135		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	*93*		*62 - 134*

Lab Sample ID: 885-18886-2 MS
Matrix: Solid
Analysis Batch: 19855

Client Sample ID: HA01@9
Prep Type: Total/NA
Prep Batch: 19860

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]	ND		47.7	46.8		mg/Kg		98	44 - 136		

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

Lab Sample ID: 885-18886-2 MSD
Matrix: Solid
Analysis Batch: 19855

Client Sample ID: HA01@9
Prep Type: Total/NA
Prep Batch: 19860

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		49.7	50.8		mg/Kg		102	44 - 136	8	32

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

QC Sample Results

Client: Hilcorp Energy
Project/Site: Ohio D Govt 3

Job ID: 885-18886-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-19856/1-A
Matrix: Solid
Analysis Batch: 19864

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19856

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0		mg/Kg		01/27/25 07:52	01/27/25 10:19	1

Lab Sample ID: LCS 885-19856/2-A
Matrix: Solid
Analysis Batch: 19864

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19856

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			30.0	30.3		mg/Kg		101	90 - 110		

QC Association Summary

Client: Hilcorp Energy
Project/Site: Ohio D Govt 3

Job ID: 885-18886-1

GC VOA

Prep Batch: 19867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-18886-1	HA01@0-1	Total/NA	Solid	5035	
885-18886-2	HA01@9	Total/NA	Solid	5035	
885-18886-3	HA02@0-1	Total/NA	Solid	5035	
885-18886-4	HA02@9	Total/NA	Solid	5035	
885-18886-5	HA03@0-1	Total/NA	Solid	5035	
885-18886-6	HA03@9	Total/NA	Solid	5035	
885-18886-7	HA04@0-1	Total/NA	Solid	5035	
885-18886-8	HA04@2.5	Total/NA	Solid	5035	
MB 885-19867/1-A	Method Blank	Total/NA	Solid	5035	
LCS 885-19867/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 885-19867/3-A	Lab Control Sample	Total/NA	Solid	5035	
885-18886-1 MS	HA01@0-1	Total/NA	Solid	5035	
885-18886-1 MSD	HA01@0-1	Total/NA	Solid	5035	
885-18886-2 MS	HA01@9	Total/NA	Solid	5035	
885-18886-2 MSD	HA01@9	Total/NA	Solid	5035	

Analysis Batch: 19872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-18886-1	HA01@0-1	Total/NA	Solid	8021B	19867
885-18886-2	HA01@9	Total/NA	Solid	8021B	19867
885-18886-3	HA02@0-1	Total/NA	Solid	8021B	19867
885-18886-4	HA02@9	Total/NA	Solid	8021B	19867
885-18886-5	HA03@0-1	Total/NA	Solid	8021B	19867
885-18886-6	HA03@9	Total/NA	Solid	8021B	19867
885-18886-7	HA04@0-1	Total/NA	Solid	8021B	19867
885-18886-8	HA04@2.5	Total/NA	Solid	8021B	19867
MB 885-19867/1-A	Method Blank	Total/NA	Solid	8021B	19867
LCS 885-19867/3-A	Lab Control Sample	Total/NA	Solid	8021B	19867
885-18886-2 MS	HA01@9	Total/NA	Solid	8021B	19867
885-18886-2 MSD	HA01@9	Total/NA	Solid	8021B	19867

Analysis Batch: 19927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-18886-1	HA01@0-1	Total/NA	Solid	8015M/D	19867
885-18886-2	HA01@9	Total/NA	Solid	8015M/D	19867
885-18886-3	HA02@0-1	Total/NA	Solid	8015M/D	19867
885-18886-4	HA02@9	Total/NA	Solid	8015M/D	19867
885-18886-5	HA03@0-1	Total/NA	Solid	8015M/D	19867
885-18886-6	HA03@9	Total/NA	Solid	8015M/D	19867
885-18886-7	HA04@0-1	Total/NA	Solid	8015M/D	19867
885-18886-8	HA04@2.5	Total/NA	Solid	8015M/D	19867
MB 885-19867/1-A	Method Blank	Total/NA	Solid	8015M/D	19867
LCS 885-19867/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	19867
885-18886-1 MS	HA01@0-1	Total/NA	Solid	8015M/D	19867
885-18886-1 MSD	HA01@0-1	Total/NA	Solid	8015M/D	19867

GC Semi VOA

Analysis Batch: 19855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-18886-1	HA01@0-1	Total/NA	Solid	8015M/D	19860

QC Association Summary

Client: Hilcorp Energy
Project/Site: Ohio D Govt 3

Job ID: 885-18886-1

GC Semi VOA (Continued)

Analysis Batch: 19855 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-18886-2	HA01@9	Total/NA	Solid	8015M/D	19860
885-18886-3	HA02@0-1	Total/NA	Solid	8015M/D	19860
885-18886-4	HA02@9	Total/NA	Solid	8015M/D	19860
885-18886-5	HA03@0-1	Total/NA	Solid	8015M/D	19860
885-18886-6	HA03@9	Total/NA	Solid	8015M/D	19860
885-18886-7	HA04@0-1	Total/NA	Solid	8015M/D	19860
885-18886-8	HA04@2.5	Total/NA	Solid	8015M/D	19860
MB 885-19860/1-A	Method Blank	Total/NA	Solid	8015M/D	19860
LCS 885-19860/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	19860
885-18886-2 MS	HA01@9	Total/NA	Solid	8015M/D	19860
885-18886-2 MSD	HA01@9	Total/NA	Solid	8015M/D	19860

Prep Batch: 19860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-18886-1	HA01@0-1	Total/NA	Solid	SHAKE	
885-18886-2	HA01@9	Total/NA	Solid	SHAKE	
885-18886-3	HA02@0-1	Total/NA	Solid	SHAKE	
885-18886-4	HA02@9	Total/NA	Solid	SHAKE	
885-18886-5	HA03@0-1	Total/NA	Solid	SHAKE	
885-18886-6	HA03@9	Total/NA	Solid	SHAKE	
885-18886-7	HA04@0-1	Total/NA	Solid	SHAKE	
885-18886-8	HA04@2.5	Total/NA	Solid	SHAKE	
MB 885-19860/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-19860/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-18886-2 MS	HA01@9	Total/NA	Solid	SHAKE	
885-18886-2 MSD	HA01@9	Total/NA	Solid	SHAKE	

HPLC/IC

Prep Batch: 19856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-18886-1	HA01@0-1	Total/NA	Solid	300_Prep	
885-18886-2	HA01@9	Total/NA	Solid	300_Prep	
885-18886-3	HA02@0-1	Total/NA	Solid	300_Prep	
885-18886-4	HA02@9	Total/NA	Solid	300_Prep	
885-18886-5	HA03@0-1	Total/NA	Solid	300_Prep	
885-18886-6	HA03@9	Total/NA	Solid	300_Prep	
885-18886-7	HA04@0-1	Total/NA	Solid	300_Prep	
885-18886-8	HA04@2.5	Total/NA	Solid	300_Prep	
MB 885-19856/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-19856/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 19864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-18886-1	HA01@0-1	Total/NA	Solid	300.0	19856
885-18886-2	HA01@9	Total/NA	Solid	300.0	19856
885-18886-3	HA02@0-1	Total/NA	Solid	300.0	19856
885-18886-4	HA02@9	Total/NA	Solid	300.0	19856
885-18886-5	HA03@0-1	Total/NA	Solid	300.0	19856
885-18886-6	HA03@9	Total/NA	Solid	300.0	19856
885-18886-7	HA04@0-1	Total/NA	Solid	300.0	19856

QC Association Summary

Client: Hilcorp Energy
Project/Site: Ohio D Govt 3

Job ID: 885-18886-1

HPLC/IC (Continued)

Analysis Batch: 19864 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-18886-8	HA04@2.5	Total/NA	Solid	300.0	19856
MB 885-19856/1-A	Method Blank	Total/NA	Solid	300.0	19856
LCS 885-19856/2-A	Lab Control Sample	Total/NA	Solid	300.0	19856

Lab Chronicle

Client: Hilcorp Energy
Project/Site: Ohio D Govt 3

Job ID: 885-18886-1

Client Sample ID: HA01@0-1
Lab Sample ID: 885-18886-1
Date Collected: 01/24/25 15:48
Matrix: Solid
Date Received: 01/25/25 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			19867	AT	EET ALB	01/27/25 09:44
Total/NA	Analysis	8015M/D		1	19927	AT	EET ALB	01/28/25 10:35
Total/NA	Prep	5035			19867	AT	EET ALB	01/27/25 09:44
Total/NA	Analysis	8021B		1	19872	AT	EET ALB	01/27/25 13:24
Total/NA	Prep	SHAKE			19860	EM	EET ALB	01/27/25 09:29
Total/NA	Analysis	8015M/D		1	19855	MI	EET ALB	01/27/25 11:50
Total/NA	Prep	300_Prep			19856	DL	EET ALB	01/27/25 07:52
Total/NA	Analysis	300.0		20	19864	RC	EET ALB	01/27/25 14:24

Client Sample ID: HA01@9
Lab Sample ID: 885-18886-2
Date Collected: 01/24/25 15:50
Matrix: Solid
Date Received: 01/25/25 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			19867	AT	EET ALB	01/27/25 09:44
Total/NA	Analysis	8015M/D		1	19927	AT	EET ALB	01/28/25 10:57
Total/NA	Prep	5035			19867	AT	EET ALB	01/27/25 09:44
Total/NA	Analysis	8021B		1	19872	AT	EET ALB	01/27/25 13:46
Total/NA	Prep	SHAKE			19860	EM	EET ALB	01/27/25 09:29
Total/NA	Analysis	8015M/D		1	19855	MI	EET ALB	01/27/25 12:00
Total/NA	Prep	300_Prep			19856	DL	EET ALB	01/27/25 07:52
Total/NA	Analysis	300.0		20	19864	RC	EET ALB	01/27/25 14:34

Client Sample ID: HA02@0-1
Lab Sample ID: 885-18886-3
Date Collected: 01/24/25 15:52
Matrix: Solid
Date Received: 01/25/25 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			19867	AT	EET ALB	01/27/25 09:45
Total/NA	Analysis	8015M/D		1	19927	AT	EET ALB	01/28/25 11:19
Total/NA	Prep	5035			19867	AT	EET ALB	01/27/25 09:45
Total/NA	Analysis	8021B		1	19872	AT	EET ALB	01/27/25 14:08
Total/NA	Prep	SHAKE			19860	EM	EET ALB	01/27/25 09:29
Total/NA	Analysis	8015M/D		1	19855	MI	EET ALB	01/27/25 12:32
Total/NA	Prep	300_Prep			19856	DL	EET ALB	01/27/25 07:52
Total/NA	Analysis	300.0		20	19864	RC	EET ALB	01/27/25 15:05

Client Sample ID: HA02@9
Lab Sample ID: 885-18886-4
Date Collected: 01/24/25 15:54
Matrix: Solid
Date Received: 01/25/25 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			19867	AT	EET ALB	01/27/25 09:45
Total/NA	Analysis	8015M/D		1	19927	AT	EET ALB	01/28/25 11:41

Lab Chronicle

Client: Hilcorp Energy
Project/Site: Ohio D Govt 3

Job ID: 885-18886-1

Client Sample ID: HA02@9

Lab Sample ID: 885-18886-4

Date Collected: 01/24/25 15:54
Matrix: Solid
Date Received: 01/25/25 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			19867	AT	EET ALB	01/27/25 09:45
Total/NA	Analysis	8021B		1	19872	AT	EET ALB	01/27/25 14:30
Total/NA	Prep	SHAKE			19860	EM	EET ALB	01/27/25 09:29
Total/NA	Analysis	8015M/D		1	19855	MI	EET ALB	01/27/25 12:43
Total/NA	Prep	300_Prep			19856	DL	EET ALB	01/27/25 07:52
Total/NA	Analysis	300.0		20	19864	RC	EET ALB	01/27/25 15:16

Client Sample ID: HA03@0-1

Lab Sample ID: 885-18886-5

Date Collected: 01/24/25 15:56
Matrix: Solid
Date Received: 01/25/25 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			19867	AT	EET ALB	01/27/25 09:45
Total/NA	Analysis	8015M/D		1	19927	AT	EET ALB	01/28/25 12:03
Total/NA	Prep	5035			19867	AT	EET ALB	01/27/25 09:45
Total/NA	Analysis	8021B		1	19872	AT	EET ALB	01/27/25 14:52
Total/NA	Prep	SHAKE			19860	EM	EET ALB	01/27/25 09:29
Total/NA	Analysis	8015M/D		1	19855	MI	EET ALB	01/27/25 12:53
Total/NA	Prep	300_Prep			19856	DL	EET ALB	01/27/25 07:52
Total/NA	Analysis	300.0		20	19864	RC	EET ALB	01/27/25 15:26

Client Sample ID: HA03@9

Lab Sample ID: 885-18886-6

Date Collected: 01/24/25 15:58
Matrix: Solid
Date Received: 01/25/25 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			19867	AT	EET ALB	01/27/25 09:45
Total/NA	Analysis	8015M/D		1	19927	AT	EET ALB	01/28/25 12:25
Total/NA	Prep	5035			19867	AT	EET ALB	01/27/25 09:45
Total/NA	Analysis	8021B		1	19872	AT	EET ALB	01/27/25 15:14
Total/NA	Prep	SHAKE			19860	EM	EET ALB	01/27/25 09:29
Total/NA	Analysis	8015M/D		1	19855	MI	EET ALB	01/27/25 13:04
Total/NA	Prep	300_Prep			19856	DL	EET ALB	01/27/25 07:52
Total/NA	Analysis	300.0		20	19864	RC	EET ALB	01/27/25 15:37

Client Sample ID: HA04@0-1

Lab Sample ID: 885-18886-7

Date Collected: 01/24/25 16:00
Matrix: Solid
Date Received: 01/25/25 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			19867	AT	EET ALB	01/27/25 09:45
Total/NA	Analysis	8015M/D		1	19927	AT	EET ALB	01/28/25 12:47
Total/NA	Prep	5035			19867	AT	EET ALB	01/27/25 09:45
Total/NA	Analysis	8021B		1	19872	AT	EET ALB	01/27/25 15:36

Lab Chronicle

Client: Hilcorp Energy
Project/Site: Ohio D Govt 3

Job ID: 885-18886-1

Client Sample ID: HA04@0-1

Lab Sample ID: 885-18886-7

Date Collected: 01/24/25 16:00
Matrix: Solid
Date Received: 01/25/25 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			19860	EM	EET ALB	01/27/25 09:29
Total/NA	Analysis	8015M/D		1	19855	MI	EET ALB	01/27/25 13:15
Total/NA	Prep	300_Prep			19856	DL	EET ALB	01/27/25 07:52
Total/NA	Analysis	300.0		20	19864	RC	EET ALB	01/27/25 15:47

Client Sample ID: HA04@2.5

Lab Sample ID: 885-18886-8

Date Collected: 01/24/25 16:02
Matrix: Solid
Date Received: 01/25/25 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			19867	AT	EET ALB	01/27/25 09:45
Total/NA	Analysis	8015M/D		1	19927	AT	EET ALB	01/28/25 13:09
Total/NA	Prep	5035			19867	AT	EET ALB	01/27/25 09:45
Total/NA	Analysis	8021B		1	19872	AT	EET ALB	01/27/25 15:59
Total/NA	Prep	SHAKE			19860	EM	EET ALB	01/27/25 09:29
Total/NA	Analysis	8015M/D		1	19855	MI	EET ALB	01/27/25 13:25
Total/NA	Prep	300_Prep			19856	DL	EET ALB	01/27/25 07:52
Total/NA	Analysis	300.0		20	19864	RC	EET ALB	01/27/25 15:57

Laboratory References:

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

Accreditation/Certification Summary

Client: Hilcorp Energy
Project/Site: Ohio D Govt 3

Job ID: 885-18886-1

Laboratory: Eurofins Albuquerque

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

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

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

Analysis Method	Prep Method	Matrix	Analyte
300.0	300_Prep	Solid	Chloride
8015M/D	5035	Solid	Gasoline Range Organics [C6 - C10]
8015M/D	SHAKE	Solid	Diesel Range Organics [C10-C28]
8015M/D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total

Oregon	NELAP	NM100001	02-25-25

Chain-of-Custody Record

Client: HEC

Attn: Mitch Killough

Mailing Address:

Phone #:

email or Fax#: MKillough@hilcorp.com

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☑ Rush Next Day

Project Name: OHIO D GOVT 3

Project #:

Project Manager: STUART HYDE
Shyde@Ensolum.com

Sampler: PA

On Ice: ☒ Yes ☐ No mgj

# of Coolers: 1

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

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

885-18886 COC

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
1/24/25	1548	Soil	HA01 @ 0-1	4oz.	Cool		X	X					X			
	1550		HA01 @ 9													
	1552		HA02 @ 0-1													
	1554		HA02 @ 9													
	1556		HA03 @ 0-1													
	1558		HA03 @ 9													
	1600		HA04 @ 0-1													
	1602		HA04 @ 2.5													

Date	Time	Relinquished by	Received by	Via:	Date	Time
1/24/25	1640				1/24/25	1640
1/24/25	1800			Courier	1/25/25	7:45

Remarks: PLZ CC Pandurson Wweichent@ensolum.com

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

Chain-of-Custody Record

Client: HEC

Attn: Mitch Killough

Mailing Address:

Phone #.

email or Fax#: Mkillough@hilcorp.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☐ Standard ☑ Rush Next Day

Project Name: OHIO D GOVT 3

Project #:

Project Manager: STUART HYDE

Shyde@Ensolum.com

Sampler: PA

On Ice: ☒ Yes ☐ No mgjo

# of Coolers: 1

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

HALL ENVIRONM
ANALYSIS LABOI
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 871
Tel. 505-345-3975 Fax 505-345-4107

885-18886 COC

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
1/24/25	1548	Soil	HA01 @ 0-1	4oz. 1	Cool		X	X					X			
	1550		HA01 @ 9													
	1552		HA02 @ 0-1													
	1554		HA02 @ 9													
	1556		HA03 @ 0-1													
	1558		HA03 @ 9													
	1600		HA04 @ 0-1													
	1602		HA04 @ 25													

Date	Time	Relinquished by	Received by	Via	Date	Time
1/24/25	1640				1/24/25	1640
1/24/25	1800			courier	1/25/25	7:45

Remarks: PLZ CC Pandurson Wweichent@ensolum.com

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

Login Sample Receipt Checklist

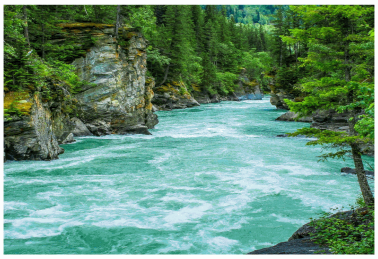
Client: Hilcorp Energy Job Number: 885-18886-1

Login Number: 18886 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Casarrubias, Tracy

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

Report to:

Stuart Hyde



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:	Ohio D Govt 3
Work Order:	E502229
Job Number:	17051-0002
Received:	2/24/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/3/25

Date Reported: 3/3/25

Stuart Hyde
PO Box 61529
Houston, TX 77208

Project Name: Ohio D Govt 3
Workorder: E502229
Date Received: 2/24/2025 3:32:00PM

Stuart Hyde,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/24/2025 3:32:00PM, under the Project Name: Ohio D Govt 3.

The analytical test results summarized in this report with the Project Name: Ohio D Govt 3 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:	Ohio D Govt 3	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Stuart Hyde	03/03/25 12:24

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
HA05 @ 2	E502229-01A	Soil	02/24/25	02/24/25	Glass Jar, 4 oz.
HA05 @ 8	E502229-02A	Soil	02/24/25	02/24/25	Glass Jar, 4 oz.
HA05 @ 12	E502229-03A	Soil	02/24/25	02/24/25	Glass Jar, 4 oz.
HA06 @ 4	E502229-04A	Soil	02/24/25	02/24/25	Glass Jar, 4 oz.
HA06 @ 6	E502229-05A	Soil	02/24/25	02/24/25	Glass Jar, 4 oz.
HA06 @ 12	E502229-06A	Soil	02/24/25	02/24/25	Glass Jar, 4 oz.

Sample Data

Hilcorp Energy Co	Project Name:	Ohio D Govt 3	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Stuart Hyde	3/3/2025 12:24:13PM

HA05 @ 2

E502229-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2509037
Benzene	ND	0.0250	1	02/25/25	02/26/25	
Ethylbenzene	ND	0.0250	1	02/25/25	02/26/25	
Toluene	ND	0.0250	1	02/25/25	02/26/25	
o-Xylene	ND	0.0250	1	02/25/25	02/26/25	
p,m-Xylene	ND	0.0500	1	02/25/25	02/26/25	
Total Xylenes	ND	0.0250	1	02/25/25	02/26/25	
Surrogate: 4-Bromochlorobenzene-PID		*83.1 %*	*70-130*	*02/25/25*	*02/26/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2509037
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/25	02/26/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.7 %*	*70-130*	*02/25/25*	*02/26/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2509040
Diesel Range Organics (C10-C28)	ND	25.0	1	02/25/25	02/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/25/25	02/25/25	
Surrogate: n-Nonane		*125 %*	*61-141*	*02/25/25*	*02/25/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2509054
Chloride	ND	20.0	1	02/25/25	02/25/25	

Sample Data

Hilcorp Energy Co	Project Name:	Ohio D Govt 3	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Stuart Hyde	3/3/2025 12:24:13PM

HA05 @ 8

E502229-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2509037
Benzene	ND	0.0250	1	02/25/25	02/26/25	
Ethylbenzene	ND	0.0250	1	02/25/25	02/26/25	
Toluene	ND	0.0250	1	02/25/25	02/26/25	
o-Xylene	ND	0.0250	1	02/25/25	02/26/25	
p,m-Xylene	ND	0.0500	1	02/25/25	02/26/25	
Total Xylenes	ND	0.0250	1	02/25/25	02/26/25	
Surrogate: 4-Bromochlorobenzene-PID		*83.6 %*	*70-130*	*02/25/25*	*02/26/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2509037
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/25	02/26/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.0 %*	*70-130*	*02/25/25*	*02/26/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2509040
Diesel Range Organics (C10-C28)	ND	25.0	1	02/25/25	02/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/25/25	02/25/25	
Surrogate: n-Nonane		*123 %*	*61-141*	*02/25/25*	*02/25/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2509054
Chloride	ND	20.0	1	02/25/25	02/25/25	

Sample Data

Hilcorp Energy Co	Project Name:	Ohio D Govt 3	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Stuart Hyde	3/3/2025 12:24:13PM

HA05 @ 12

E502229-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2509037
Benzene	ND	0.0250	1	02/25/25	02/26/25	
Ethylbenzene	ND	0.0250	1	02/25/25	02/26/25	
Toluene	ND	0.0250	1	02/25/25	02/26/25	
o-Xylene	ND	0.0250	1	02/25/25	02/26/25	
p,m-Xylene	ND	0.0500	1	02/25/25	02/26/25	
Total Xylenes	ND	0.0250	1	02/25/25	02/26/25	
Surrogate: 4-Bromochlorobenzene-PID		*83.5 %*	*70-130*	*02/25/25*	*02/26/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2509037
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/25	02/26/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.8 %*	*70-130*	*02/25/25*	*02/26/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2509040
Diesel Range Organics (C10-C28)	ND	25.0	1	02/25/25	02/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/25/25	02/25/25	
Surrogate: n-Nonane		*118 %*	*61-141*	*02/25/25*	*02/25/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2509054
Chloride	ND	20.0	1	02/25/25	02/25/25	

Sample Data

Hilcorp Energy Co	Project Name:	Ohio D Govt 3	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Stuart Hyde	3/3/2025 12:24:13PM

HA06 @ 4

E502229-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2509037
Benzene	ND	0.0250	1	02/25/25	02/26/25	
Ethylbenzene	ND	0.0250	1	02/25/25	02/26/25	
Toluene	ND	0.0250	1	02/25/25	02/26/25	
o-Xylene	ND	0.0250	1	02/25/25	02/26/25	
p,m-Xylene	ND	0.0500	1	02/25/25	02/26/25	
Total Xylenes	ND	0.0250	1	02/25/25	02/26/25	
Surrogate: 4-Bromochlorobenzene-PID		*83.4 %*	*70-130*	*02/25/25*	*02/26/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2509037
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/25	02/26/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.5 %*	*70-130*	*02/25/25*	*02/26/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2509040
Diesel Range Organics (C10-C28)	ND	25.0	1	02/25/25	02/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/25/25	02/25/25	
Surrogate: n-Nonane		*117 %*	*61-141*	*02/25/25*	*02/25/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2509054
Chloride	**24.0**	20.0	1	02/25/25	02/25/25	

Sample Data

Hilcorp Energy Co	Project Name:	Ohio D Govt 3	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Stuart Hyde	3/3/2025 12:24:13PM

HA06 @ 6

E502229-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2509037
Benzene	ND	0.0250	1	02/25/25	02/26/25	
Ethylbenzene	ND	0.0250	1	02/25/25	02/26/25	
Toluene	ND	0.0250	1	02/25/25	02/26/25	
o-Xylene	ND	0.0250	1	02/25/25	02/26/25	
p,m-Xylene	ND	0.0500	1	02/25/25	02/26/25	
Total Xylenes	ND	0.0250	1	02/25/25	02/26/25	
Surrogate: 4-Bromochlorobenzene-PID		*83.0 %*	*70-130*	*02/25/25*	*02/26/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2509037
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/25	02/26/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.2 %*	*70-130*	*02/25/25*	*02/26/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2509040
Diesel Range Organics (C10-C28)	ND	25.0	1	02/25/25	02/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/25/25	02/25/25	
Surrogate: n-Nonane		*119 %*	*61-141*	*02/25/25*	*02/25/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2509054
Chloride	**55.6**	20.0	1	02/25/25	02/25/25	

Sample Data

Hilcorp Energy Co	Project Name:	Ohio D Govt 3	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Stuart Hyde	3/3/2025 12:24:13PM

HA06 @ 12

E502229-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2509037
Benzene	ND	0.0250	1	02/25/25	02/26/25	
Ethylbenzene	ND	0.0250	1	02/25/25	02/26/25	
Toluene	ND	0.0250	1	02/25/25	02/26/25	
o-Xylene	ND	0.0250	1	02/25/25	02/26/25	
p,m-Xylene	ND	0.0500	1	02/25/25	02/26/25	
Total Xylenes	ND	0.0250	1	02/25/25	02/26/25	
Surrogate: 4-Bromochlorobenzene-PID		*82.5 %*	*70-130*	*02/25/25*	*02/26/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2509037
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/25	02/26/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.7 %*	*70-130*	*02/25/25*	*02/26/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2509040
Diesel Range Organics (C10-C28)	ND	25.0	1	02/25/25	02/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/25/25	02/25/25	
Surrogate: n-Nonane		*119 %*	*61-141*	*02/25/25*	*02/25/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2509054
Chloride	**42.7**	20.0	1	02/25/25	02/25/25	

QC Summary Data

Hilcorp Energy Co	Project Name:	Ohio D Govt 3	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Stuart Hyde	3/3/2025 12:24:13PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2509037-BLK1)									Prepared: 02/25/25 Analyzed: 02/26/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.73*		*8.00*		*84.1*	*70-130*			
LCS (2509037-BS1)									Prepared: 02/25/25 Analyzed: 02/26/25
Benzene	5.30	0.0250	5.00		106	70-130			
Ethylbenzene	5.08	0.0250	5.00		102	70-130			
Toluene	5.21	0.0250	5.00		104	70-130			
o-Xylene	5.04	0.0250	5.00		101	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.3	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.72*		*8.00*		*83.9*	*70-130*			
Matrix Spike (2509037-MS1)				**Source: E502229-04**					Prepared: 02/25/25 Analyzed: 02/26/25
Benzene	5.54	0.0250	5.00	ND	111	54-133			
Ethylbenzene	5.30	0.0250	5.00	ND	106	61-133			
Toluene	5.44	0.0250	5.00	ND	109	61-130			
o-Xylene	5.26	0.0250	5.00	ND	105	63-131			
p,m-Xylene	10.7	0.0500	10.0	ND	107	63-131			
Total Xylenes	16.0	0.0250	15.0	ND	107	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*6.69*		*8.00*		*83.6*	*70-130*			
Matrix Spike Dup (2509037-MSD1)				**Source: E502229-04**					Prepared: 02/25/25 Analyzed: 02/26/25
Benzene	5.34	0.0250	5.00	ND	107	54-133	3.67	20	
Ethylbenzene	5.13	0.0250	5.00	ND	103	61-133	3.20	20	
Toluene	5.26	0.0250	5.00	ND	105	61-130	3.45	20	
o-Xylene	5.10	0.0250	5.00	ND	102	63-131	3.17	20	
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131	3.08	20	
Total Xylenes	15.5	0.0250	15.0	ND	103	63-131	3.11	20	
Surrogate: 4-Bromochlorobenzene-PID	*6.72*		*8.00*		*84.0*	*70-130*			

QC Summary Data

Hilcorp Energy Co	Project Name:	Ohio D Govt 3	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Stuart Hyde	3/3/2025 12:24:13PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2509037-BLK1)									Prepared: 02/25/25 Analyzed: 02/26/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.41*		*8.00*		*92.6*	*70-130*			
LCS (2509037-BS2)									Prepared: 02/25/25 Analyzed: 02/26/25
Gasoline Range Organics (C6-C10)	40.2	20.0	50.0		80.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.50*		*8.00*		*93.7*	*70-130*			
Matrix Spike (2509037-MS2)				**Source: E502229-04**					Prepared: 02/25/25 Analyzed: 02/26/25
Gasoline Range Organics (C6-C10)	43.4	20.0	50.0	ND	86.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.49*		*8.00*		*93.7*	*70-130*			
Matrix Spike Dup (2509037-MSD2)				**Source: E502229-04**					Prepared: 02/25/25 Analyzed: 02/26/25
Gasoline Range Organics (C6-C10)	43.9	20.0	50.0	ND	87.8	70-130	1.20	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.53*		*8.00*		*94.1*	*70-130*			

QC Summary Data

Hilcorp Energy Co	Project Name:	Ohio D Govt 3	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Stuart Hyde	3/3/2025 12:24:13PM

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 (2509040-BLK1)									Prepared: 02/25/25 Analyzed: 02/25/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.2*		*50.0*		*110*	*61-141*			
LCS (2509040-BS1)									Prepared: 02/25/25 Analyzed: 02/25/25
Diesel Range Organics (C10-C28)	267	25.0	250		107	66-144			
Surrogate: n-Nonane	*54.3*		*50.0*		*109*	*61-141*			
Matrix Spike (2509040-MS1)				**Source: E502229-04**					Prepared: 02/25/25 Analyzed: 02/25/25
Diesel Range Organics (C10-C28)	295	25.0	250	ND	118	56-156			
Surrogate: n-Nonane	*61.1*		*50.0*		*122*	*61-141*			
Matrix Spike Dup (2509040-MSD1)				**Source: E502229-04**					Prepared: 02/25/25 Analyzed: 02/25/25
Diesel Range Organics (C10-C28)	301	25.0	250	ND	120	56-156	1.95	20	
Surrogate: n-Nonane	*62.1*		*50.0*		*124*	*61-141*			

QC Summary Data

Hilcorp Energy Co	Project Name:	Ohio D Govt 3	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Stuart Hyde	3/3/2025 12:24:13PM

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 (2509054-BLK1)									Prepared: 02/25/25 Analyzed: 02/25/25
Chloride	ND	20.0							
LCS (2509054-BS1)									Prepared: 02/25/25 Analyzed: 02/25/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2509054-MS1)				**Source: E502229-03**					Prepared: 02/25/25 Analyzed: 02/25/25
Chloride	269	20.0	250	ND	108	80-120			
Matrix Spike Dup (2509054-MSD1)				**Source: E502229-03**					Prepared: 02/25/25 Analyzed: 02/25/25
Chloride	270	20.0	250	ND	108	80-120	0.140	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:	Ohio D Govt 3	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Stuart Hyde	03/03/25 12:24

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

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

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

Chain of Custody

Client Information

Client: HEC
Project Name: OHIO D GOVT 3
Project Manager: STUART HYDE
Address:
City, State, Zip:
~~Phone:~~ PLE CC: Wwuchert@ensolum.com
Email: shyde@ensolum.com

Invoice Information

Company: HEC Attn: mitch Killough
Address:
City, State, Zip:
Phone:
Email: mKillough@hilcorp.com
Miscellaneous:

Lab Use Only

Lab WO#: E502229
Job Number: 17051-0002

TAT

1D	2D	3D	Std
			X

State

NM	CO	UT	TX
X			

EPA Program

SDWA	CWA	RCRA

Compliance Y or N
PWSID #

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg			Remarks
1210	2/24/25	Soil	1, 4oz	HA05 @ 2		1	X	X	X		X							
1215	↓	↓	↓	HA05 @ 8		2	↓	↓	↓		↓							
1220	↓	↓	↓	HA05 @ 12		3	↓	↓	↓		↓							
1420	↓	↓	↓	HA06 @ 4		4	↓	↓	↓		↓							
1425	↓	↓	↓	HA06 @ 6		5	↓	↓	↓		↓							
1430	↓	↓	↓	HA 06 @ 12		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: Peter Anderson

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
PA	2/24/25	1532	Caitlin Ma	2/24/25	15:32

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

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 2/24/2025 3:44:19PM

Sample Receipt Checklist (SRC)

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

Client:	Hilcorp Energy Co	Date Received:	02/24/25 15:32	Work Order ID:	E502229
Phone:	-	Date Logged In:	02/24/25 15:41	Logged In By:	Caitlin Mars
Email:	shyde@ensolum.com	Due Date:	03/03/25 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: Peter Anderson
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mitch Killough
Hilcorp Energy
PO BOX 4700
Farmington, New Mexico 87499

Generated 4/3/2025 2:54:15 PM

JOB DESCRIPTION

Ohiod Gov't3

JOB NUMBER

885-22442-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Eurofins Albuquerque

Job Notes

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

Authorization

Generated
4/3/2025 2:54:15 PM

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

Client: Hilcorp Energy
Project/Site: Ohiod Gov't3

Laboratory Job ID: 885-22442-1

Table of Contents

Definitions/Glossary

Client: Hilcorp Energy
Project/Site: Ohiod Gov't3

Job ID: 885-22442-1

Glossary

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

Case Narrative

Client: Hilcorp Energy
Project: Ohiod Gov't3

Job ID: 885-22442-1

Job ID: 885-22442-1 Eurofins Albuquerque

Job Narrative
885-22442-1

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

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

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

Receipt
The samples were received on 4/2/2025 7:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.4°C.

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

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

Diesel Range Organics
Method 8015D_DRO: The continuing calibration verification (CCV) associated with batch 885-23520 recovered above the upper control limit for Diesel Range Organics [C10-C28]. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: FS01 (885-22442-1), SW01 (885-22442-2), SW02 (885-22442-3) and (885-22239-A-5-C).

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

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

Client Sample Results

Client: Hilcorp Energy
Project/Site: Ohiod Gov't3

Job ID: 885-22442-1

Client Sample ID: FS01

Date Collected: 04/01/25 08:30
Date Received: 04/02/25 07:10

Lab Sample ID: 885-22442-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.5		mg/Kg		04/02/25 15:01	04/02/25 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*35 - 166*	*04/02/25 15:01*	*04/02/25 17:43*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		04/02/25 15:01	04/02/25 17:43	1
Ethylbenzene	ND		0.045		mg/Kg		04/02/25 15:01	04/02/25 17:43	1
Toluene	ND		0.045		mg/Kg		04/02/25 15:01	04/02/25 17:43	1
Xylenes, Total	ND		0.091		mg/Kg		04/02/25 15:01	04/02/25 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*48 - 145*	*04/02/25 15:01*	*04/02/25 17:43*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3		mg/Kg		04/02/25 10:35	04/02/25 15:18	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		04/02/25 10:35	04/02/25 15:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*106*		*62 - 134*	*04/02/25 10:35*	*04/02/25 15:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		04/02/25 09:28	04/02/25 20:08	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: Ohiod Gov't3

Job ID: 885-22442-1

Client Sample ID: SW01

Date Collected: 04/01/25 08:35
Date Received: 04/02/25 07:10

Lab Sample ID: 885-22442-2

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.8		mg/Kg		04/02/25 15:01	04/02/25 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*35 - 166*	*04/02/25 15:01*	*04/02/25 18:05*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.019		mg/Kg		04/02/25 15:01	04/02/25 18:05	1
Ethylbenzene	ND		0.038		mg/Kg		04/02/25 15:01	04/02/25 18:05	1
Toluene	ND		0.038		mg/Kg		04/02/25 15:01	04/02/25 18:05	1
Xylenes, Total	ND		0.076		mg/Kg		04/02/25 15:01	04/02/25 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*48 - 145*	*04/02/25 15:01*	*04/02/25 18:05*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2		mg/Kg		04/02/25 10:35	04/02/25 15:30	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		04/02/25 10:35	04/02/25 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*114*		*62 - 134*	*04/02/25 10:35*	*04/02/25 15:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		04/02/25 09:28	04/02/25 20:21	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: Ohiod Gov't3

Job ID: 885-22442-1

Client Sample ID: SW02

Date Collected: 04/01/25 08:40
Date Received: 04/02/25 07:10

Lab Sample ID: 885-22442-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.6		mg/Kg		04/02/25 15:01	04/02/25 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*35 - 166*	*04/02/25 15:01*	*04/02/25 18:27*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.018		mg/Kg		04/02/25 15:01	04/02/25 18:27	1
Ethylbenzene	ND		0.036		mg/Kg		04/02/25 15:01	04/02/25 18:27	1
Toluene	ND		0.036		mg/Kg		04/02/25 15:01	04/02/25 18:27	1
Xylenes, Total	ND		0.072		mg/Kg		04/02/25 15:01	04/02/25 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*48 - 145*	*04/02/25 15:01*	*04/02/25 18:27*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3		mg/Kg		04/02/25 10:35	04/02/25 15:42	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		04/02/25 10:35	04/02/25 15:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*123*		*62 - 134*	*04/02/25 10:35*	*04/02/25 15:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		04/02/25 09:28	04/02/25 20:35	20

QC Sample Results

Client: Hilcorp Energy
Project/Site: Ohiod Gov't3

Job ID: 885-22442-1

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

Lab Sample ID: MB 885-23572/1-A
Matrix: Solid
Analysis Batch: 23574

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 23572

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0		mg/Kg		04/02/25 15:01	04/02/25 17:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*35 - 166*	*04/02/25 15:01*	*04/02/25 17:22*	*1*

Lab Sample ID: LCS 885-23572/2-A
Matrix: Solid
Analysis Batch: 23574

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23572

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]			25.0	24.2		mg/Kg		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*201*		*35 - 166*

Lab Sample ID: 885-22442-1 MS
Matrix: Solid
Analysis Batch: 23574

Client Sample ID: FS01
Prep Type: Total/NA
Prep Batch: 23572

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]	ND		22.7	20.4		mg/Kg		90	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*189*		*35 - 166*

Lab Sample ID: 885-22442-1 MSD
Matrix: Solid
Analysis Batch: 23574

Client Sample ID: FS01
Prep Type: Total/NA
Prep Batch: 23572

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	ND		22.7	19.9		mg/Kg		88	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*188*		*35 - 166*

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-23572/1-A
Matrix: Solid
Analysis Batch: 23575

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 23572

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		04/02/25 15:01	04/02/25 17:22	1
Ethylbenzene	ND		0.050		mg/Kg		04/02/25 15:01	04/02/25 17:22	1
Toluene	ND		0.050		mg/Kg		04/02/25 15:01	04/02/25 17:22	1

QC Sample Results

Client: Hilcorp Energy
Project/Site: Ohiod Gov't3

Job ID: 885-22442-1

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

Lab Sample ID: MB 885-23572/1-A
Matrix: Solid
Analysis Batch: 23575

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 23572

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.10		mg/Kg		04/02/25 15:01	04/02/25 17:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*48 - 145*	*04/02/25 15:01*	*04/02/25 17:22*	*1*

Lab Sample ID: LCS 885-23572/3-A
Matrix: Solid
Analysis Batch: 23575

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23572

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			1.00	0.878		mg/Kg		88	70 - 130		
Ethylbenzene			1.00	0.899		mg/Kg		90	70 - 130		
m&p-Xylene			2.00	1.81		mg/Kg		91	70 - 130		
o-Xylene			1.00	0.907		mg/Kg		91	70 - 130		
Toluene			1.00	0.892		mg/Kg		89	70 - 130		
Xylenes, Total			3.00	2.72		mg/Kg		91	70 - 130		

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

Lab Sample ID: 885-22442-2 MS
Matrix: Solid
Analysis Batch: 23575

Client Sample ID: SW01
Prep Type: Total/NA
Prep Batch: 23572

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		0.758	0.667		mg/Kg		88	70 - 130		
Ethylbenzene	ND		0.758	0.665		mg/Kg		88	70 - 130		
m&p-Xylene	ND		1.52	1.34		mg/Kg		89	70 - 130		
o-Xylene	ND		0.758	0.680		mg/Kg		90	70 - 130		
Toluene	ND		0.758	0.667		mg/Kg		88	70 - 130		
Xylenes, Total	ND		2.27	2.02		mg/Kg		89	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*48 - 145*

Lab Sample ID: 885-22442-2 MSD
Matrix: Solid
Analysis Batch: 23575

Client Sample ID: SW01
Prep Type: Total/NA
Prep Batch: 23572

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.758	0.656		mg/Kg		87	70 - 130	2	20
Ethylbenzene	ND		0.758	0.673		mg/Kg		89	70 - 130	1	20
m&p-Xylene	ND		1.52	1.35		mg/Kg		89	70 - 130	1	20
o-Xylene	ND		0.758	0.665		mg/Kg		88	70 - 130	2	20
Toluene	ND		0.758	0.661		mg/Kg		87	70 - 130	1	20
Xylenes, Total	ND		2.27	2.01		mg/Kg		89	70 - 130	0	20

QC Sample Results

Client: Hilcorp Energy
Project/Site: Ohiod Gov't3

Job ID: 885-22442-1

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

Lab Sample ID: 885-22442-2 MSD
Matrix: Solid
Analysis Batch: 23575

Client Sample ID: SW01
Prep Type: Total/NA
Prep Batch: 23572

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*92*		*48 - 145*

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

Lab Sample ID: MB 885-23547/1-A
Matrix: Solid
Analysis Batch: 23520

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 23547

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		04/02/25 10:35	04/02/25 13:56	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		04/02/25 10:35	04/02/25 13:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	*112*		*62 - 134*	*04/02/25 10:35*	*04/02/25 13:56*	*1*

Lab Sample ID: LCS 885-23547/2-A
Matrix: Solid
Analysis Batch: 23520

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23547

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			50.0	43.9		mg/Kg		88	60 - 135		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	*87*		*62 - 134*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-23502/1-A
Matrix: Solid
Analysis Batch: 23534

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 23502

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.5		mg/Kg		04/01/25 15:07	04/02/25 17:10	1

Lab Sample ID: LCS 885-23502/2-A
Matrix: Solid
Analysis Batch: 23534

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23502

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			15.0	14.5		mg/Kg		97	90 - 110		

QC Association Summary

Client: Hilcorp Energy
Project/Site: Ohiod Gov't3

Job ID: 885-22442-1

GC VOA

Prep Batch: 23572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22442-1	FS01	Total/NA	Solid	5035	
885-22442-2	SW01	Total/NA	Solid	5035	
885-22442-3	SW02	Total/NA	Solid	5035	
MB 885-23572/1-A	Method Blank	Total/NA	Solid	5035	
LCS 885-23572/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 885-23572/3-A	Lab Control Sample	Total/NA	Solid	5035	
885-22442-1 MS	FS01	Total/NA	Solid	5035	
885-22442-1 MSD	FS01	Total/NA	Solid	5035	
885-22442-2 MS	SW01	Total/NA	Solid	5035	
885-22442-2 MSD	SW01	Total/NA	Solid	5035	

Analysis Batch: 23574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22442-1	FS01	Total/NA	Solid	8015M/D	23572
885-22442-2	SW01	Total/NA	Solid	8015M/D	23572
885-22442-3	SW02	Total/NA	Solid	8015M/D	23572
MB 885-23572/1-A	Method Blank	Total/NA	Solid	8015M/D	23572
LCS 885-23572/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	23572
885-22442-1 MS	FS01	Total/NA	Solid	8015M/D	23572
885-22442-1 MSD	FS01	Total/NA	Solid	8015M/D	23572

Analysis Batch: 23575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22442-1	FS01	Total/NA	Solid	8021B	23572
885-22442-2	SW01	Total/NA	Solid	8021B	23572
885-22442-3	SW02	Total/NA	Solid	8021B	23572
MB 885-23572/1-A	Method Blank	Total/NA	Solid	8021B	23572
LCS 885-23572/3-A	Lab Control Sample	Total/NA	Solid	8021B	23572
885-22442-2 MS	SW01	Total/NA	Solid	8021B	23572
885-22442-2 MSD	SW01	Total/NA	Solid	8021B	23572

GC Semi VOA

Analysis Batch: 23520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22442-1	FS01	Total/NA	Solid	8015M/D	23547
885-22442-2	SW01	Total/NA	Solid	8015M/D	23547
885-22442-3	SW02	Total/NA	Solid	8015M/D	23547
MB 885-23547/1-A	Method Blank	Total/NA	Solid	8015M/D	23547
LCS 885-23547/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	23547

Prep Batch: 23547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22442-1	FS01	Total/NA	Solid	SHAKE	
885-22442-2	SW01	Total/NA	Solid	SHAKE	
885-22442-3	SW02	Total/NA	Solid	SHAKE	
MB 885-23547/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-23547/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

QC Association Summary

Client: Hilcorp Energy
Project/Site: Ohiod Gov't3

Job ID: 885-22442-1

HPLC/IC

Prep Batch: 23502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22442-1	FS01	Total/NA	Solid	300_Prep	
885-22442-2	SW01	Total/NA	Solid	300_Prep	
885-22442-3	SW02	Total/NA	Solid	300_Prep	
MB 885-23502/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-23502/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 23534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22442-1	FS01	Total/NA	Solid	300.0	23502
885-22442-2	SW01	Total/NA	Solid	300.0	23502
885-22442-3	SW02	Total/NA	Solid	300.0	23502
MB 885-23502/1-A	Method Blank	Total/NA	Solid	300.0	23502
LCS 885-23502/2-A	Lab Control Sample	Total/NA	Solid	300.0	23502

Lab Chronicle

Client: Hilcorp Energy
Project/Site: Ohiod Gov't3

Job ID: 885-22442-1

Client Sample ID: FS01

Lab Sample ID: 885-22442-1

Date Collected: 04/01/25 08:30
Matrix: Solid
Date Received: 04/02/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			23572	AT	EET ALB	04/02/25 15:01
Total/NA	Analysis	8015M/D		1	23574	AT	EET ALB	04/02/25 17:43
Total/NA	Prep	5035			23572	AT	EET ALB	04/02/25 15:01
Total/NA	Analysis	8021B		1	23575	AT	EET ALB	04/02/25 17:43
Total/NA	Prep	SHAKE			23547	MI	EET ALB	04/02/25 10:35
Total/NA	Analysis	8015M/D		1	23520	MI	EET ALB	04/02/25 15:18
Total/NA	Prep	300_Prep			23502	DL	EET ALB	04/02/25 09:28
Total/NA	Analysis	300.0		20	23534	RC	EET ALB	04/02/25 20:08

Client Sample ID: SW01

Lab Sample ID: 885-22442-2

Date Collected: 04/01/25 08:35
Matrix: Solid
Date Received: 04/02/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			23572	AT	EET ALB	04/02/25 15:01
Total/NA	Analysis	8015M/D		1	23574	AT	EET ALB	04/02/25 18:05
Total/NA	Prep	5035			23572	AT	EET ALB	04/02/25 15:01
Total/NA	Analysis	8021B		1	23575	AT	EET ALB	04/02/25 18:05
Total/NA	Prep	SHAKE			23547	MI	EET ALB	04/02/25 10:35
Total/NA	Analysis	8015M/D		1	23520	MI	EET ALB	04/02/25 15:30
Total/NA	Prep	300_Prep			23502	DL	EET ALB	04/02/25 09:28
Total/NA	Analysis	300.0		20	23534	RC	EET ALB	04/02/25 20:21

Client Sample ID: SW02

Lab Sample ID: 885-22442-3

Date Collected: 04/01/25 08:40
Matrix: Solid
Date Received: 04/02/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			23572	AT	EET ALB	04/02/25 15:01
Total/NA	Analysis	8015M/D		1	23574	AT	EET ALB	04/02/25 18:27
Total/NA	Prep	5035			23572	AT	EET ALB	04/02/25 15:01
Total/NA	Analysis	8021B		1	23575	AT	EET ALB	04/02/25 18:27
Total/NA	Prep	SHAKE			23547	MI	EET ALB	04/02/25 10:35
Total/NA	Analysis	8015M/D		1	23520	MI	EET ALB	04/02/25 15:42
Total/NA	Prep	300_Prep			23502	DL	EET ALB	04/02/25 09:28
Total/NA	Analysis	300.0		20	23534	RC	EET ALB	04/02/25 20:35

Laboratory References:

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

Accreditation/Certification Summary

Client: Hilcorp Energy
Project/Site: Ohiod Gov't3

Job ID: 885-22442-1

Laboratory: Eurofins Albuquerque

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
300.0	300_Prep	Solid	Chloride
8015M/D	5035	Solid	Gasoline Range Organics [C6 - C10]
8015M/D	SHAKE	Solid	Diesel Range Organics [C10-C28]
8015M/D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total

Oregon	NELAP	NM100001	02-26-26

Chain-of-Custody Record

Client: Hilcorp Energy Company

Mailing Address: ATTN: Mitch Killcrop

Phone #: mkillcrop@hilcorp.com

email or Fax#:

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☒ Rush next day

Project Name: Ohio Gov't 3

Project #:

Project Manager: WLS Weichert wweichert@ensolum.com

Sampler: Nicole Pena

On Ice: ☒ Yes ☐ No

# of Coolers: 1 (Mojo)

Cooler Temp(including CF): 3.2+0.2=3.4 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109 885-22442 COC
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
4/1	830	Soil	FS01	4 oz	Cool		X	X					X			
4/1	835	Soil	SW01	4 oz	Cool		X	X					X			
4/1	840	Soil	SW02	4 oz	Cool		X	X					X			

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
4/1	1740				4/1/25	1740
4/1/25	1815			Courier	4/2/25	7:10

Remarks: cc shyde@ensolum.com

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

Login Sample Receipt Checklist

Client: Hilcorp Energy Job Number: 885-22442-1

Login Number: 22442 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Casarrubias, Tracy

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

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1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 464198

QUESTIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 464198
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2436219016**
Incident Name	**NAPP2436219016 OHIO D GOVT 3 @ 30-045-31822**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Closure Report Received**
Incident Well	**[30-045-31822] OHIO D GOVT #003**

Location of Release Source *Please answer all the questions in this group.*	
Site Name	OHIO D GOVT 3
Date Release Discovered	12/26/2024
Surface Owner	Private

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

Nature and Volume of Release *Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Human Error | Tank (Any) | Produced Water | Released: 62 BBL | Recovered: 20 BBL | Lost: 42 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	On 12/26/2024 at 3:57 pm (MT), an operator pulled up on location to discover produced water fluids overfilling at an open-top 120-bbl pit storage tank at the Ohio D Govt 3 in San Juan County, NM. After shutting in the well, it was determined that the high-level alarm on the tank malfunctioned and did not alarm. However, human error is the primary cause. All spilled fluids remained within the pit tank cribbing and did not migrate off location. A water truck was called out on the same day to recover all possible spilled fluids from within the cribbing. Recovered fluids amounted to 20 bbls total. Based on gauging records, the total spilled volume is 62 bbls produced water. Following recovery of the spilled fluids, I&E plans to diagnose the reason for the high level alarm malfunction.

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QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 464198
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	It should be noted that all fluids were contained within the cribbing to prevent horizontal migration out of containment. However, an estimated 42 bbls of fluid soaked into the underlying soils.

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: 05/16/2025

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QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 464198
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 200 and 300 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	None
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
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)	650
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
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	01/24/2025
On what date will (or did) the final sampling or liner inspection occur	04/01/2025
On what date will (or was) the remediation complete(d)	04/01/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	50
What is the estimated volume (in cubic yards) that will be remediated	5.5
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 464198
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	ENVIROTECH [fSC00000000048]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 05/16/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 464198
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 464198
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**445682**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**04/01/2025**
What was the (estimated) number of samples that were to be gathered	**2**
What was the sampling surface area in square feet	**400**

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	50
What was the total volume (cubic yards) remediated	5.5
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)	release from December 2024. Laboratory analytical results from confirmation soil samples collected from the final excavation extent demonstrated all COC concentrations were below the applicable NMOCD Table I Closure Criteria and satisfied the reclamation requirements. As a result, no further remedial action is warranted. Excavation of impacted soil has effectively mitigated the release and eliminated potential exposure pathways to human health, the environment, and groundwater.

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

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

I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 05/16/2025

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QUESTIONS (continued)

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	Action Number: 464198
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 464198
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	7/8/2025