ENSOLUM

January 12, 2026

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

Re: Remediation Report and Closure Request
Allison #112
Hilcorp Energy Company
NMOCD Incident No: nAPP2526151903

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 Allison #112 natural gas production well (Site). The Site is located on private surface, in Unit L, Section 18, Township 32 North, Range 6 West, San Juan County, New Mexico (Figure 1). This report describes the excavation and confirmation soil sampling activities performed at the Site to remediate impacted soil originating from the release.

SITE BACKGROUND

On September 17, 2025, Hilcorp personnel discovered a release of approximately 6 barrels (bbls) of compressor lube oil at the Site. During a routine inspection, following several days of rainfall, an operator observed stormwater had eroded through the gravel-filled secondary containment surrounding the below grade tank (BGT), allowing accumulated rainwater containing floating compressor lube oil to flood the cellar and spread across the pad. The impacted fluids remained entirely within the berm surrounding the location and did not migrate off-site. The release was attributed to weather-related erosion and berm failure caused by flooding. Hilcorp initiated response actions that included vacuum removal of standing rainwater and oil, followed by reconstruction of the berm and diversion of drainage to prevent recurrence. Hilcorp submitted the *Notification of Release* to the New Mexico Oil Conservation Division (NMOCD) on September 18, 2025, and the NMOCD assigned Incident Number nAPP2526151903.

SITE CHARACTERIZATION

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

GEOLOGY AND HYDROGEOLOGY

The Site is located on Tertiary (Eocene) age San Jose Formation and is underlain by the Nacimiento Geologic Formation. In the report titled "*Hydrogeology and Water Resources of San*

Juan Basin, New Mexico" (Stone, et. al., 1983), the San Jose Formation is composed of interbedded sandstones and mudstones and varies in thickness from less than 200 feet to about 2,700 feet. The hydrologic properties of the San Jose Formation are largely untested. Where sufficient yield is present, the primary use of water from this Formation is for domestic and/or livestock supply.

POTENTIAL SENSITIVE RECEPTORS

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

To assess Site-specific depth-to-groundwater, a borehole was advanced using a hollow-stem auger drill rig on October 28, 2025, to a depth of 55 feet below ground surface (bgs). Upon completion of the borehole, a temporary well screen and casing were installed in the open borehole and allowed to equilibrate for 72 hours. A water-level indicator was used to assess for the presence or absence of groundwater on November 4, 2025. Groundwater was encountered in the borehole at a depth of 35.50 feet bgs, indicating the depth to groundwater beneath the Site is less than 50 feet bgs. The nearest constructed freshwater well is NMOSE permitted well SJ-03420, located approximately 6,220 feet southeast of the Site with a recorded depth to water of 60 feet bgs. Depth to water documentation is provided in Appendix A.

The nearest significant watercourse to the Site is a dry wash located approximately 682 feet east of the well pad. The Site is greater than 200 feet from any lakebed, sinkhole, or playa lake, and within 300 feet from any wetland. No wellhead protection areas, springs, or domestic/stock wells are located within a ½-mile from the Site. The Site is not within a 100-year floodplain, does not overlie a subsurface mine, and is located in an area classified by the Bureau of Land Management (BLM) as no potential karst. Schools, hospitals, institutions, churches, and/or other occupied permanent residence or structures are not located within 300 feet of the Site. A Site receptor map is shown on Figure 1.

SITE CLOSURE CRITERIA

Based on the information presented above and in accordance with the *Table I, Closure Criteria for Soils Impacted by a Release* (19.15.29.12 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

Upon discovery of the release, Hilcorp retained Ensolum to conduct hand auger delineation activities on September 30, 2025. A notification of sampling activities was provided to the NMOCD prior to the delineation work and is attached as Appendix B. In total, five boreholes (HA01 through HA05) were advanced at the Site to depths up to 5.5 feet bgs (Figure 2). Borehole HA01 was advanced immediately adjacent to the BGT and within the cellar to assess the soil with the greatest potential impacts resulting from the release. Boreholes HA02 through HA05 were advanced in the cardinal directions surrounding the BGT to delineate the lateral and vertical

extents of potential impacts. In addition to the hand auger boreholes, four surface soil samples (SS01 through SS04) were collected from each corner of the berm surrounding the BGT to assess for potential impacts to shallow soils from the stormwater and released compressor oil.

During delineation activities, Ensolum personnel logged soil lithology and field screened for the presence of volatile organic compounds (VOCs) using a calibrated photoionization detector (PID) and chloride using Hach® QuanTab® chloride test strips. Soil descriptions and field screening results were noted in the field book. Photographs taken during delineation activities are also provided in Appendix C. PID field screening results are also included in Table 1.

Two soil samples were collected from each borehole in order to delineate the vertical impacts at the Site: one at the depth interval indicating the greatest potential contamination based on PID field screening results and a second soil sample collected at the terminus of each borehole. Soil samples were collected directly into laboratory-provided jars and immediately placed on ice. Samples were submitted to Eurofins Environment Testing for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B, TPH following Method 8015M/D, and chloride following EPA Method 300.0.

Based on the laboratory analytical results, TPH concentrations exceeding the NMOCD Closure Criteria were detected in three surface soil samples (SS01, SS02, and SS03), with concentrations ranging from 220 mg/kg to 608 mg/kg. Additionally, hand auger borehole HA02 exceeded Closure Criteria for TPH, with a concentration of 6,440 mg/kg from ground surface to 0.5 feet bgs. BTEX, TPH, and chloride were either not detected above laboratory reporting limits or were below the applicable Closure Criteria in all other analyzed samples.

To delineate impacts east of HA02, Ensolum returned to the Site on October 28, 2025, to advance additional hand auger boreholes. Boreholes HA06 through HA10 were advanced to depths of up to 2 feet bgs. Because the release consisted of compressor lube oil with heavier, MRO-range hydrocarbons, Ensolum personnel field-screened the soil using PetroFLAG®, a colorimetric test that provides semi-quantitative estimates of TPH and is more reliable than vapor-based screening methods for heavier oil impacts. Following screening, soil samples were placed into laboratory-provided containers and transported under standard chain-of-custody procedures to Envirotech Environmental Testing (Envirotech) for analysis of TPH, BTEX, and chloride using the methods described above.

Analytical results from boreholes HA06 through HA10 indicated TPH, BTEX, and chloride concentrations were either non-detect or compliant with the NMOCD Table I Closure Criteria. A summary of analytical results is provided in Table 1 and Figure 2, with complete laboratory reports included in Appendix D.

Groundwater characterization was conducted concomitantly on October 28, 2025, to establish depth to groundwater at the Site. A borehole advanced to 55 feet bgs confirmed groundwater at 35.50 feet bgs, indicating groundwater occurs at less than 50 feet beneath the Site.

EXCAVATION SOIL SAMPLING ACTIVITIES

Based on the delineation sampling activities and shallow impacts described above, Hilcorp remediated the release by excavating impacted soil from the Site and transporting it for off-Site disposal at the Envirotech Landfarm in San Juan County, New Mexico. Excavation activities began on August 28, 2025. To direct excavation activities, Ensolum personnel field-screened soil for VOCs and conducted hydrocarbon screening using PetroFLAG.

Once field screening indicated impacted soil had been removed, five-point composite soil samples were initially collected from the excavation floor at a frequency of one sample per 200 square feet. The locations of composite excavation samples are depicted on Figure 3. Because the excavation

depth was limited to 1-foot bgs, the floor samples provided representative coverage and separate sidewall samples were not warranted. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a resealable plastic bag and homogenizing the samples by thoroughly mixing. The soil samples were placed into laboratory provided containers and transported under proper chain of custody procedures to Envirotech for analysis of TPH, BTEX, and chloride using the methods described above. Following completion of sampling, it was determined sampling notification had not been submitted prior to sample collection, and the excavation had already been backfilled.

Following this determination, Ensolum coordinated with the NMOCD to establish an approved sampling plan. On December 11, 2025, the NMOCD granted approval for Ensolum to collect confirmation soil samples beneath the excavation backfill using a hand auger, subject to specific conditions of approval (Appendix B). These conditions included advancing five hand auger boreholes per composite sample and photographing the depth of each borehole to clearly document samples were collected from native material beneath the backfill (Appendix D). Additionally, a C-141N sampling notification had to be submitted at least two business days prior to sampling and Ensolum was to coordinate the sampling event so NMOCD personnel could witness the work.

In accordance with the NMOCD approval, Ensolum collected confirmation samples beneath the excavation backfill with NMOCD personnel present onsite. A total of 20 discrete soil samples were collected from beneath the backfill and homogenized into four, five-point composite samples. All samples were placed into laboratory-provided containers and transported under proper chain-of-custody procedures to Envirotech for analysis of TPH, BTEX, and chloride using the analytical methods described above.

Analytical results from the confirmation sampling indicated TPH, BTEX, and chloride concentrations were compliant with the NMOCD Table I Closure Criteria and the reclamation requirement in all composite samples. The excavation encompassed approximately 448 square feet to a depth of 1-foot bgs, with an estimated 17 cubic yards of impacted soil removed and disposed of at the Envirotech Landfarm in San Juan County, New Mexico. Soil sample results are summarized in Table 1, with complete laboratory analytical reports provided in Appendix C. Photographs documenting the excavation and confirmation sampling activities are included in Appendix D.

CLOSURE REQUEST

Site excavation and confirmation sampling were conducted to address the release discovered on September 17, 2025. Laboratory analytical results from the final excavation extent indicated that all concentrations of COCs were compliant with the applicable Site Closure Criteria and the reclamation requirement; therefore, no further remediation is required. Excavation of impacted soil has effectively mitigated site impacts, and these actions have been protective of human health, the environment, and groundwater. As such, Hilcorp respectfully requests closure for Incident Number nAPP2526151903.

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

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

Attachments:

Figure 1: Site Receptor Map
Figure 2: Delineation Soil Sample Locations
Figure 3: Excavation Soil Sample Locations
Figure 4: Confirmation Resampling Locations Beneath Excavation Backfill

Table 1: Soil Analytical Results

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

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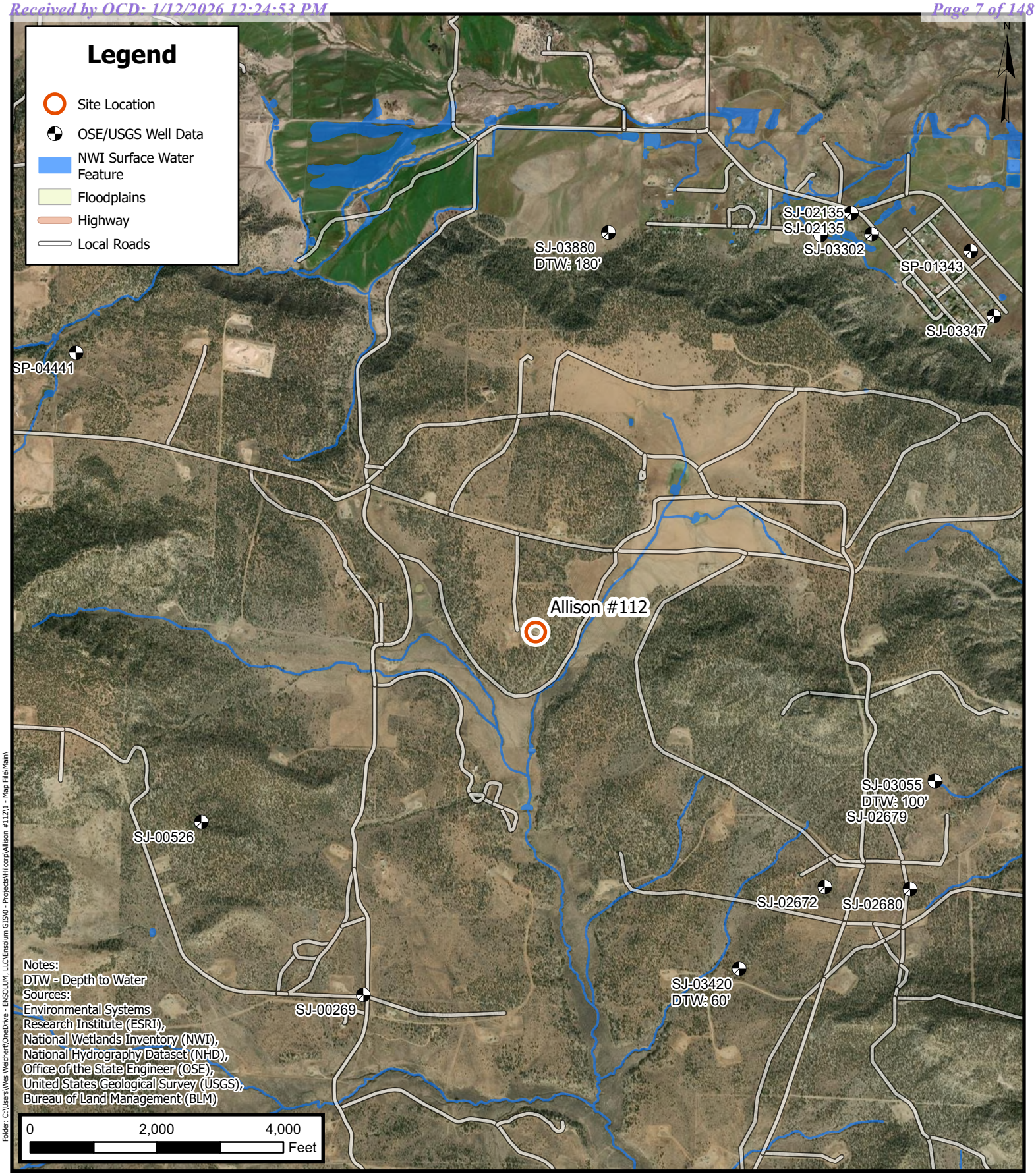
FIGURES



Folder: C:\Users\Wes Weichert\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\Hilcorp\Allison #112\1 - Map File\Main\

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Environmental, Engineering and Hydrogeologic Consultants

Site Receptor Map

Hilcorp Energy Company
Allison #112
Incident Number: nAPP2526151903
36.978113, -107.505161
San Juan County, New Mexico

FIGURE 1

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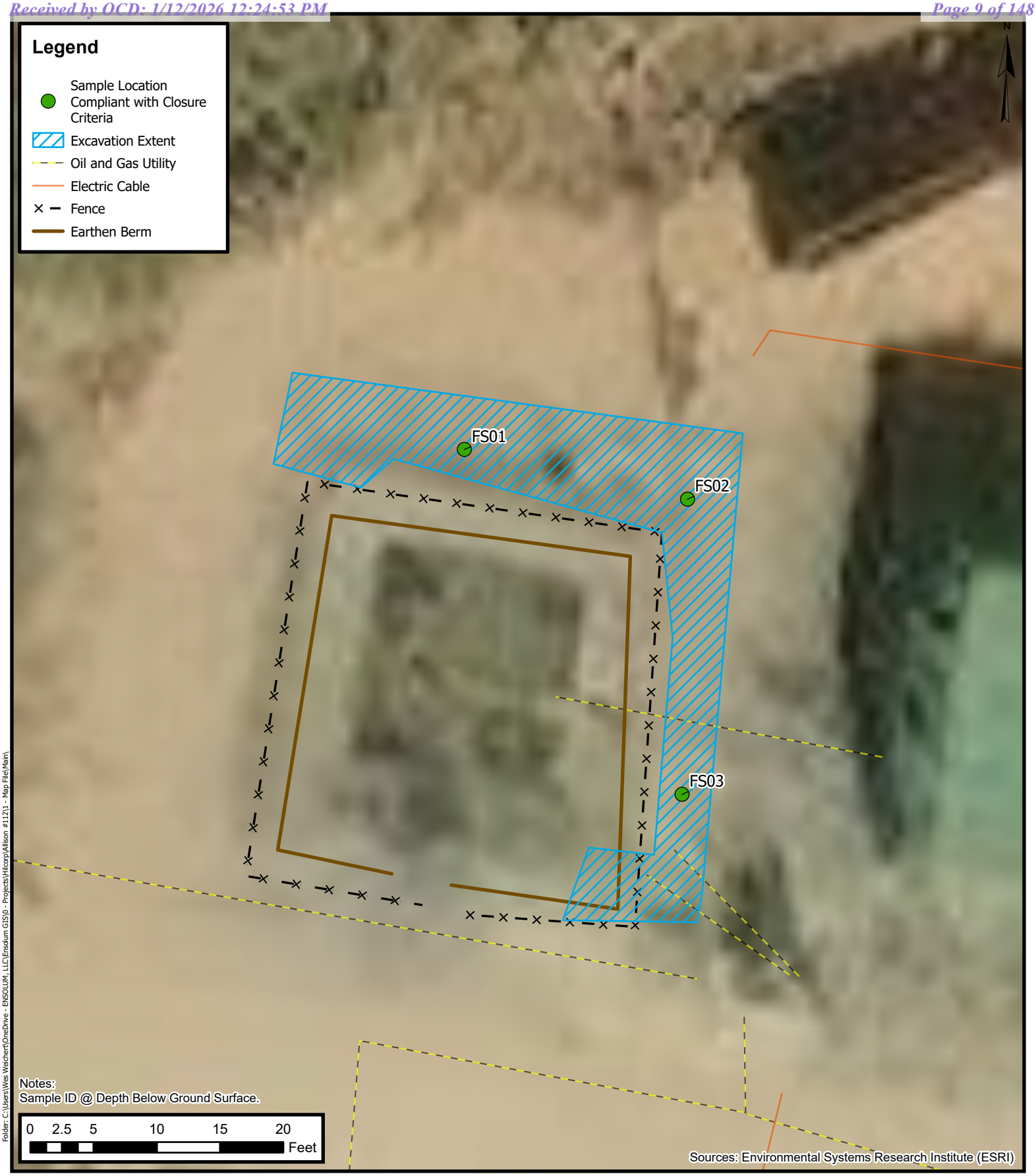
Delineation Soil Sample Locations

Hilcorp Energy Company
Allison #112
Incident Number: nAPP2526151903
36.978113, -107.505161
San Juan County, New Mexico

FIGURE 2



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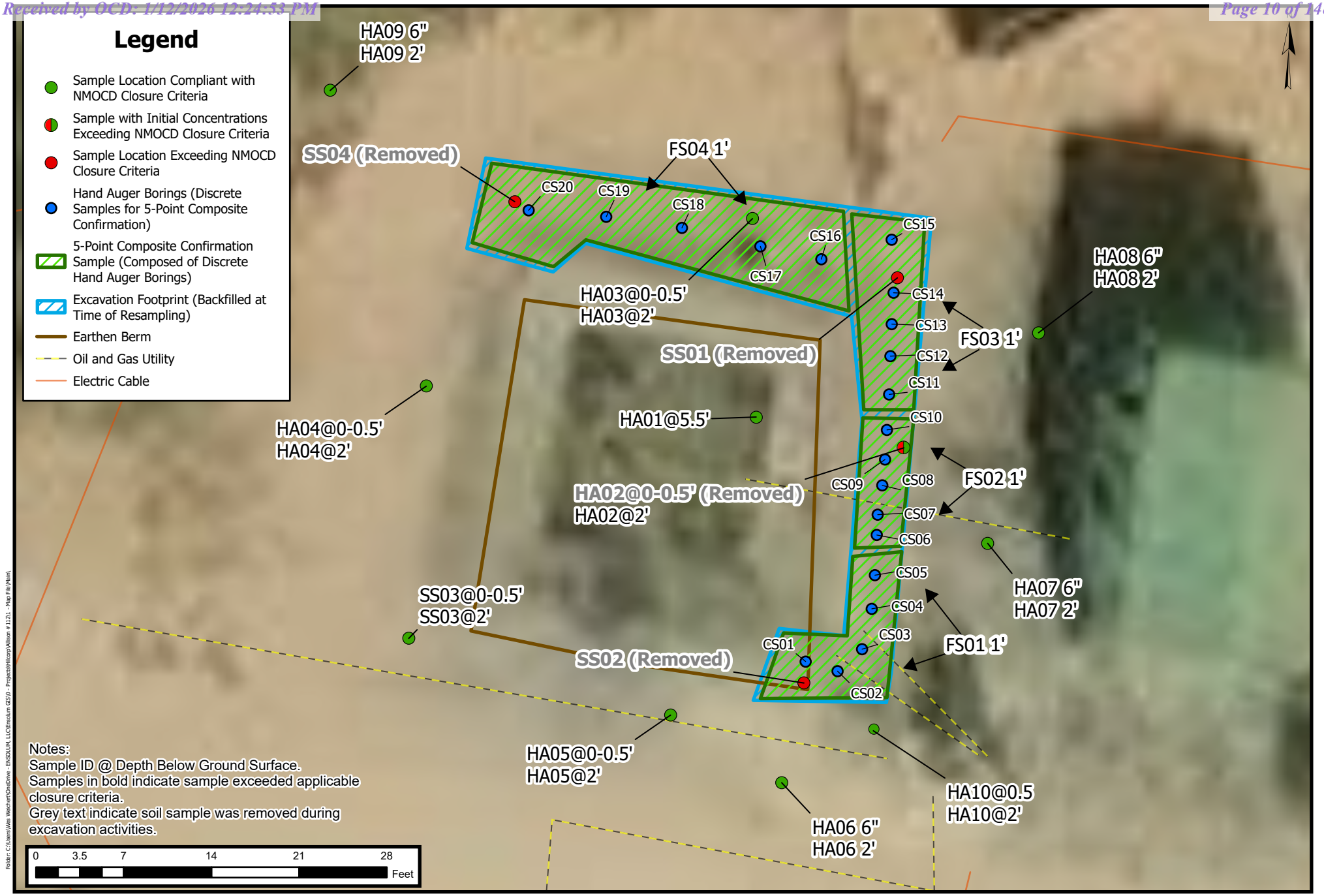
Excavation Soil Sample Locations

Hilcorp Energy Company
Allison #112
Incident Number: nAPP2526151903
36.978113, -107.505161
San Juan County, New Mexico

FIGURE 3



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Confirmation Resampling Locations Beneath Excavation Backfill

Hilcorp Energy Company
Allison #112
Incident Number: nAPP2526151903
36.978113, -107.505161
San Juan County, New Mexico

FIGURE 4

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TABLES

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TABLE 1
SOIL ANALYTICAL RESULTS
Allison #112
Hilcorp Energy Company
San Juan County, New Mexico

Sample Identification	Date	Depth (feet bgs)	PID/Petroflag (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**
Bore Hole Samples													
HA01@5.5'	9/30/2025	5.5'	1.1	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<8.9	<44	<44	<49
~~HA02@0-0.5'~~	~~9/30/2025~~	~~0-0.5'~~	~~0.8~~	~~<0.024~~	~~<0.047~~	~~<0.047~~	~~<0.094~~	~~<0.094~~	~~<4.7~~	~~340~~	~~6,100~~	~~**6,440**~~	~~<50~~
HA02@2'	9/30/2025	2'	1.3	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.0	<45	<45	<49
~~HA03@0-0.5'~~	~~9/30/2025~~	~~0-0.5'~~	~~2.2~~	~~<0.025~~	~~<0.049~~	~~<0.049~~	~~<0.099~~	~~<0.099~~	~~<4.9~~	~~<9.9~~	~~84~~	~~84~~	~~<50~~
HA03@2'	9/30/2025	2'	2.7	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<10	<50	<50	<50
HA04@0-0.5'	9/30/2025	0-0.5'	2.3	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.8	<49	<49	<50
HA04@2'	9/30/2025	2'	2.8	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<49	<49	<50
HA05@0-0.5'	9/30/2025	0-0.5'	1.1	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<48	<48	<51
HA05@2'	9/30/2025	2'	1.4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.0	<45	<45	<50
HA06 6"	10/28/2025	0-0.5'	--	<0.0020	<0.0020	<0.0020	<0.0040	<0.0040	<50	<50	<50	<50	110
HA06 2'	10/28/2025	2'	--	<0.0020	<0.0020	<0.0020	<0.0040	<0.0040	<50	<50	<50	<50	150
HA07 6"	10/28/2025	0-0.5'	--	<0.0020	<0.0020	<0.0020	<0.0040	<0.0040	<50	<50	<50	<50	110
HA07 2'	10/28/2025	2'	--	<0.0020	<0.0020	<0.0020	<0.0040	<0.0040	<50	<50	<50	<50	130
HA08 6"	10/28/2025	0-0.5'	--	<0.0020	<0.0020	<0.0020	<0.0040	<0.0040	<50	<50	<50	<50	92
HA08 2'	10/28/2025	2'	--	<0.0020	<0.0020	<0.0020	<0.0040	<0.0040	<50	<50	<50	<50	83
HA09 6"	10/28/2025	0-0.5'	--	<0.0020	<0.0020	<0.0020	<0.0040	<0.0040	<50	<50	<50	<50	85
HA09 2'	10/28/2025	2'	--	<0.0020	<0.0020	<0.0020	<0.0040	<0.0040	<50	<50	<50	<50	190
HA10@0.5'	12/17/2025	0.5	0.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	15.6
HA10@2'	12/17/2025	2	0.2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<12.2
Surface Samples													
~~SS01~~	~~9/30/2025~~	~~0'~~	~~0.5~~	~~<0.024~~	~~<0.047~~	~~<0.047~~	~~<0.095~~	~~<0.095~~	~~<4.7~~	~~110~~	~~830~~	~~**940**~~	~~<51~~
~~SS02~~	~~9/30/2025~~	~~0'~~	~~1.2~~	~~<0.024~~	~~<0.048~~	~~<0.048~~	~~<0.096~~	~~<0.096~~	~~<4.8~~	~~20~~	~~200~~	~~**220**~~	~~<50~~
SS03	9/30/2025	0'	1.1	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.1	78	78	<51
~~SS04~~	~~9/30/2025~~	~~0'~~	~~0.5~~	~~<0.024~~	~~<0.048~~	~~<0.048~~	~~<0.097~~	~~<0.097~~	~~<4.8~~	~~68~~	~~540~~	~~**608**~~	~~<50~~
Excavation Confirmation Samples													
FS01	12/17/2025	0-0.5	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<12.4
FS02	12/17/2025	0-0.5	0.1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<12.1
FS03	12/17/2025	0-0.5	0.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<11.7
FS04	12/17/2025	0-0.5	0.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	12.0

Notes:

bgs: Below ground surface
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
mg/kg: Milligrams per kilogram
NE: Not Established
NMOCD: New Mexico Oil Conservation Division
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*
~~gray strikethrough~~ : Indicates sample removed during excavation activities.

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APPENDIX A

Depth to Water Documentation

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Client: Hilcorp
Project Name: Allison 112
Project Location:
Project Manager: Stuart Hyde

BORING LOG NUMBER
Project No.:

Date Sampled: 10/24/2025
Drilled By: Enviro-Drill
Driller: Rodney + Damien
Logged By: A. Schermer

Ground Surface Elevation:
Top of Casing Elevation:
North Coordinate:
West Coordinate:

Borehole Diameter:
Casing Diameter:
Well Materials:
Surface Completion:
Boring Method:

DEPTH (FEET)	SAMPLE INTERVAL	BLOW COUNT	RECOVERY (%)	FID/PID READING (PPM)	USCS SYMBOL	GEOLOGIC DESCRIPTION	BORING/WELL COMPLETION
0–4						Well Graded Sand/Sandstone - Coarse to medium, some fines - Very dense, brown, tan, grey - Dry, Non Plastic, Non Cohesive - NO/NS	
5		17/15-2	5%				
6–9						Well Graded Sand w/ Silt/Sandstone - medium to v. fine, some silt - Dense, Brown to tan - Dry, Non plastic, non cohesive - NO/NS	
10		50 blows for 2"	90%				
11–14						SAA	
15		50 for 6"	40%				
16–19						SAA	
20		50 for 3"	40%				
21–24						Silt w/ Sand, some Clay Mostly silt, some medium to fine sand Dense, Gray, Dry - Non Plastic, non cohesive - NO/NS	
25		10-50 for 3"	50%				

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Client:		BORING LOG NUMBER
Project Name:		
Project Location:		
Project Manager:		Project No.:
Date Sampled:	Ground Surface Elevation:	Borehole Diameter:
Drilled By:	Top of Casing Elevation:	Casing Diameter:
Driller:	North Coordinate:	Well Materials:
Logged By:	West Coordinate:	Surface Completion:
		Boring Method:

DEPTH (FEET)	SAMPLE INTERVAL	BLOW COUNT	RECOVERY (%)	FID/PID READING (PPM)	USCS SYMBOL	GEOLOGIC DESCRIPTION	BORING/WELL COMPLETION
25–26						Silty Sand Medium to v. fine, many silt Medium Dense, Brown, Dry, some mud (moist)	
27–29		13-50 for 5"	40%			Non Plastic/Non Cohesive NO/NS	
30–34						Well Graded Sand w/ Silt medium to v. fine, few silt Loose, Brown, Dry Non Plastic/Non Cohesive, NO/NS	
34–35		50 for 5"	40%				
36–39						Well Graded Sand w/ Silt medium to v. fine, few silt Loose, Brown, Tan, Dry Non Plastic/Non Cohesive, NO/NS	
40		50 for 6"	70%				
41–45						Well Graded Sand w/ Silt medium to v. fine, few silt Loose, Brown, Dry Non Plastic, Non Cohesive NO/NS	
44–45		50 for 3"	2%				
46–49						Well Graded Sand w/ Silt coarse to v. Fine, few Silt Loose, Brown, Gray, Dry Non Plastic, Non cohesive NO/NS	
49–50		24-50 for 2"	70%				

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Client:
Project Name:
Project Location:
Project Manager:

BORING LOG NUMBER

Project No.:

Date Sampled:
Drilled By:
Driller:
Logged By:

Ground Surface Elevation:
Top of Casing Elevation:
North Coordinate:
West Coordinate:

Borehole Diameter:
Casing Diameter:
Well Materials:
Surface Completion:
Boring Method:

DEPTH (FEET)	SAMPLE INTERVAL	BLOW COUNT	RECOVERY (%)	FID/PID READING (PPM)	USCS SYMBOL	GEOLOGIC DESCRIPTION	BORING/WELL COMPLETION
50						Well Graded Sand w/ Silt	
51						coarse to v. Fine, few silt	
52						Loose, Gray, Dry	
53						Non Plastic, Non Cohesive	
54		50 for 6"	40%			NO/NS	
55							
56							
57							
58							
59							
60							
61							
62							
63							
64							
65							
66							
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70							
71							
72							
73							
74							
75							

56

Location Allison 112 Date 11/4/2025

Project / Client Hilcorp

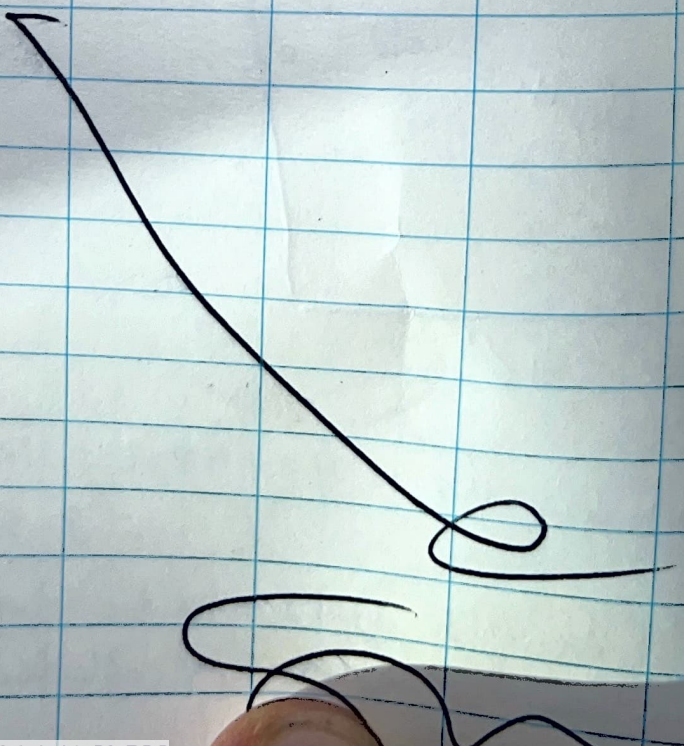
T-96, Water level Meter

1500 Arrived on site to gauge boring and backfill
- Completed JSA

Water Level 35.50' below ~~from~~ Top of casing, ~35.00' below ground surface

Hole backfilled w/ 3/8" bentonite chip and hydrated

1530 Offsite



Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Don C. Adams Owner's Well No. _____
Street or Post Office Address 3807 Sunset
City and State Farmington NM 87401

Well was drilled under Permit No. SJ 3420 and is located in the:

a. NE ¼ SE ¼ ¼ ¼ of Section 19 Township 32N Range 6W N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in San Juan County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor Terry Hood License No. WD-717

Address P.O. Box 826, Aztec, NM 87410

Drilling Began 3/10/06 Completed 3/18/06 Type tools _____ Size of hole 6 in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 415 ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 60 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
55	65	10	Sandstone	¼
325	365	40	Sandstone	¼

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
6	PVC		0	415	415		320	400

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

2006 MAR 22 AM 8 32
STATE ENGINEER OFFICE
AZTEC, NEW MEXICO

Section 5. PLUGGING RECORD

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

_____
State Engineer Representative

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

FOR USE OF STATE ENGINEER ONLY

Date Received March 22, 2006

Quad _____ FWL _____ FSL _____

File No. SJ-3420 Use Domestic Location No. 32N.6W.19.42

Section 6. LOG OF HOLE

Depth in Feet		Thickness in Feet	Color and Type of Material Encountered
From	To		
0	55	55	Shale
55	65	10	Sandstone
65	90	25	Red Shale
90	325	235	Blue Sandy Shale
325	365	40	Sandstone
365	415	50	Shale

Section 7. REMARKS AND ADDITIONAL INFORMATION

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

Driller

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

ENSOLUM

APPENDIX B

Agency Correspondence

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 507957

QUESTIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 507957
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2526151903**
Incident Name	**NAPP2526151903 ALLISON #112 @ 30-045-27129**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-045-27129] ALLISON UNIT #112**

Location of Release Source	
Site Name	**Allison #112**
Date Release Discovered	**09/17/2025**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	2,000
What is the estimated number of samples that will be gathered	10
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/26/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Contact PM Wes Weichert 816-266-8732
Please provide any information necessary for navigation to sampling site	Allison #112 (30-045-27129) 36.97792, -107.5043. Hand auger delineation, number of samples is estimated.

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 507957
	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.	9/22/2025
shyde	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/22/2025

From: Rodgers, Scott, EMNRD
To: Wes Weichert
Cc: Stuart Hyde; Kate Kaufman; Bratcher, Michael, EMNRD; Hall, Brittany, EMNRD
Subject: RE: [EXTERNAL] nAPP2526151903 - Allison #112 Confirmation Sampling
Date: Thursday, December 11, 2025 9:45:54 AM
Attachments: image006.png
image007.png
image008.png
image009.png

[**EXTERNAL EMAIL**]

Good morning,

Hilcorp & Ensolum are approved to collect 5-point composite samples beneath the excavation backfill as proposed, with the following conditions of approval:

- Auger must be marked in a manner that will allow photos to clearly show the depth of penetration for each boring. Each boring is to be clearly labeled so they are easily identifiable in photos.
- Photos must be taken at each boring in a manner that will clearly show soil obtained for analyses is not from backfill.
- Two business days notification via submittal of a C-141N is required prior to obtaining samples.
- OCD will want to witness the sampling event so Hilcorp & Ensolum are to coordinate the event with OCD personnel prior to submitting the notification.
- Any future events such as this one will likely require a re-excavation.

Thank you,
Scott

Scott Rodgers ● Environmental Specialist – Adv.
Environmental Bureau
EMNRD - Oil Conservation Division
5200 Oakland NE, Suite B | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd

From: Wes Weichert <wweichert@ensolum.com>
Sent: Wednesday, December 10, 2025 9:48 AM
To: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>

Cc: Stuart Hyde <shyde@ensolum.com>; Kate Kaufman <kkaufman@hilcorp.com>
Subject: [EXTERNAL] nAPP2526151903 - Allison #112 Confirmation Sampling

Scott,

Thank you for reviewing the variance request and providing clarification on the required path forward.

We were recently informed that the excavation contractor backfilled the excavation following the November sampling event. To comply with the requirement to recollect 5-point composite confirmation samples within the excavated area, Ensolum proposes to use a hand auger to advance through the approximately 1-foot deep backfill and obtain samples from the underlying native material. The excavation was 460 square feet and 1 foot deep. Three 5-point composite samples (15 borings total) will be collected at a spacing that meets the 200 ft² sampling density requirement. These proposed locations are shown in blue on the attached figure.

To address the incomplete lateral definition noted near SS02, Ensolum also proposes collecting additional discrete delineation samples, shown in yellow on the figure. These borings are positioned to fully define the lateral extent of the release and confirm compliance with the 600 mg/kg chloride and 100 mg/kg TPH thresholds specified in 19.15.29.12 NMAC. All resampled locations will be analyzed for the full Table I suite, and the required two-business-day sampling notification will be submitted in the permitting portal prior to mobilization.

Please let us know if the proposed hand-auger approach and sampling layout meet NMOCD expectations or if any modifications are needed before we proceed.

Best,

Wes Weichert, PG*
**Licensed in WY & TX*
Senior Geologist
816-266-8732
Ensolum, LLC

From: Rodgers, Scott, EMNRD
To: Wes Weichert
Cc: Stuart Hyde; Kate Kaufman
Subject: RE: [EXTERNAL] nAPP2526151903 - Allison #112 Extension Request
Date: Friday, December 12, 2025 10:57:02 AM
Attachments: image006.png
image007.png
image008.png
image009.png

[**EXTERNAL EMAIL**]

Your time extension request is approved. Remediation Due date has been updated to February 17, 2026 within the incident page. Ensure that the site characterization/assessment report has been completed and is provided within the final closure report.

Please keep a copy of this communication for inclusion within the appropriate reporting documentation.

If you have any questions, please contact me via email at your convenience.

Thank you,
Scott

Scott Rodgers ● Environmental Specialist – Adv.
Environmental Bureau
EMNRD - Oil Conservation Division
5200 Oakland NE, Suite B | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd

From: Wes Weichert <wweichert@ensolum.com>
Sent: Friday, December 12, 2025 9:11 AM
To: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Cc: Stuart Hyde <shyde@ensolum.com>; Kate Kaufman <kkaufman@hilcorp.com>
Subject: RE: [EXTERNAL] nAPP2526151903 - Allison #112 Extension Request

Good morning Scott,

Thank you for approving our request to collect the 5-point composite confirmation samples beneath the excavation backfill and for outlining the conditions of approval.

Due to the current submittal deadline of 12/16/2025, Ensolum on behalf of Hilcorp respectfully requests a 60-day extension to allow sufficient time to (1) complete the approved confirmation sampling event, (2) receive laboratory analytical results, and (3) prepare and submit the Closure Request.

We have submitted the required sampling notification on the OCD permitting portal, and we will be conducting the confirmation sampling event on 12/17/2025 at 9:00 am. The requested 60-day extension will provide adequate time to complete sampling, obtain lab results, and finalize the report for submittal.

We will coordinate with OCD to support witnessing of the sampling event in accordance with your conditions of approval. We will also ensure augers are clearly depth-marked, each boring is clearly labeled for photos, and that photographs are taken at each boring to clearly demonstrate that sampled material is from native soil beneath the backfill, not from backfill.

Please let us know if you need any additional information to process the extension request.

Best,

Wes Weichert, PG*
**Licensed in WY & TX*
Senior Geologist
816-266-8732
Ensolum, LLC

From: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Sent: Thursday, December 11, 2025 9:45 AM
To: Wes Weichert <wweichert@ensolum.com>
Cc: Stuart Hyde <shyde@ensolum.com>; Kate Kaufman <kkaufman@hilcorp.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>
Subject: RE: [EXTERNAL] nAPP2526151903 - Allison #112 Confirmation Sampling

[**EXTERNAL EMAIL**]

Good morning,

Hilcorp & Ensolum are approved to collect 5-point composite samples beneath the excavation backfill as proposed, with the following conditions of approval:

- Auger must be marked in a manner that will allow photos to clearly show the depth of

penetration for each boring. Each boring is to be clearly labeled so they are easily identifiable in photos.

- Photos must be taken at each boring in a manner that will clearly show soil obtained for analyses is not from backfill.
- Two business days notification via submittal of a C-141N is required prior to obtaining samples.
- OCD will want to witness the sampling event so Hilcorp & Ensolum are to coordinate the event with OCD personnel prior to submitting the notification.
- Any future events such as this one will likely require a re-excavation.

Thank you,
Scott

Scott Rodgers ● Environmental Specialist – Adv.
Environmental Bureau
EMNRD - Oil Conservation Division
5200 Oakland NE, Suite B | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd

From: Wes Weichert <wweichert@ensolum.com>
Sent: Wednesday, December 10, 2025 9:48 AM
To: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Cc: Stuart Hyde <shyde@ensolum.com>; Kate Kaufman <kkaufman@hilcorp.com>
Subject: [EXTERNAL] nAPP2526151903 - Allison #112 Confirmation Sampling

Scott,

Thank you for reviewing the variance request and providing clarification on the required path forward.

We were recently informed that the excavation contractor backfilled the excavation following the November sampling event. To comply with the requirement to recollect 5-point composite confirmation samples within the excavated area, Ensolum proposes to use a hand auger to advance through the approximately 1-foot deep backfill and obtain samples from the underlying native material. The excavation was 460 square feet and 1 foot deep. Three 5-point composite samples (15 borings total) will be collected at a spacing that meets the 200 ft² sampling density requirement.

These proposed locations are shown in blue on the attached figure.

To address the incomplete lateral definition noted near SS02, Ensolum also proposes collecting additional discrete delineation samples, shown in yellow on the figure. These borings are positioned to fully define the lateral extent of the release and confirm compliance with the 600 mg/kg chloride and 100 mg/kg TPH thresholds specified in 19.15.29.12 NMAC. All resampled locations will be analyzed for the full Table I suite, and the required two-business-day sampling notification will be submitted in the permitting portal prior to mobilization.

Please let us know if the proposed hand-auger approach and sampling layout meet NMOCD expectations or if any modifications are needed before we proceed.

Best,

Wes Weichert, PG*
**Licensed in WY & TX*
Senior Geologist
816-266-8732
Ensolum, LLC

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 507957

QUESTIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 507957
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2526151903**
Incident Name	**NAPP2526151903 ALLISON #112 @ 30-045-27129**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-045-27129] ALLISON UNIT #112**

Location of Release Source	
Site Name	**Allison #112**
Date Release Discovered	**09/17/2025**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	2,000
What is the estimated number of samples that will be gathered	10
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/26/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Contact PM Wes Weichert 816-266-8732
Please provide any information necessary for navigation to sampling site	Allison #112 (30-045-27129) 36.97792, -107.5043. Hand auger delineation, number of samples is estimated.

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 507957
	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.	9/22/2025
shyde	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/22/2025

From: OCDOnline@state.nm.us
To: Stuart Hyde
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 518493
Date: Tuesday, October 21, 2025 9:07:29 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#) nAPP2526151903.

The sampling event is expected to take place:

When: 10/28/2025 @ 10:00
Where: L-18-32N-06W 1850 FSL 1190 FWL (36.97792,-107.5043)

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

Additional Instructions: Allison #112 (3004527129)
36.97792, 107.5043.
Hand auger delineation, number of
samples is estimated.

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

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

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

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

From: OCDOnline@state.nm.us
To: Stuart Hyde
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 534043
Date: Thursday, December 11, 2025 10:52:47 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#) nAPP2526151903.

The sampling event is expected to take place:

When: 12/17/2025 @ 09:00
Where: L-18-32N-06W 1850 FSL 1190 FWL (36.97792,-107.5043)

Additional Information: Contact PM Stuart Hyde 970-903-1607 or Wes Weichert 816-266-8732

Additional Instructions: Allison #112 confirmation sampling (30-045-27129) 36.97792, -107.5043

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

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

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

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

ENSOLUM

APPENDIX C

Photographic Log

ENSOLUM

Photographic Log
Hilcorp Energy Company
Allison #112
San Juan County, New Mexico

Photograph: 1 Date: 09/30/2025
Description: API informational sign.

View: North

Photograph: 2 Date: 09/30/2025
Description: HA01, advanced within the BGT pit.

View: South

Photograph: 3 Date: 09/30/2025
Description: HA02, between BGT and compressor.

View: South

Photograph: 4 Date: 09/30/2025
Description: HA03, North of BGT.

View: South

ENSOLUM

Photographic Log
Hilcorp Energy Company
Allison #112
San Juan County, New Mexico

Photograph: 5 Date: 09/30/2025
Description: HA04, West of BGT.

View: East

Photograph: 6 Date: 09/30/2025
Description: HA05, South of BGT.

View: West

Photograph: 7 Date: 09/30/2025
Description: SS01, Northeast of BGT berm.

View: Southwest

Photograph: 8 Date: 09/30/2025
Description: SS02, Southwest of BGT berm.

View: North-Northwest

ENSOLUM

Photographic Log
Hilcorp Energy Company
Allison #112
San Juan County, New Mexico

Photograph: 9 Date: 09/30/2025
Description: API informational sign.

View: North

Photograph: 10 Date: 09/30/2025
Description: HA01, advanced within the BGT pit..

View: South

Photograph: 11 Date: 11/12/2025
Description: Excavation Activities

View: West

Photograph: 12 Date: 11/12/2025
Description: SS02, Southwest of BGT berm.

View: Northeast

ENSOLUM

Photographic Log
Hilcorp Energy Company
Allison #112
San Juan County, New Mexico

Photograph: 13 Date: 11/12/2025
Description: Excavation Activities

View: Southwest

Photograph: 14 Date: 11/12/2025
Description: Final Excavation Extent

View: Northwest

Photograph: 15 Date: 11/12/2025
Description: Final Excavation Activities

View: Southwest

Photograph: 16 Date : 11/12/2025
Description: Final Excavation Extent

View: Southeast

ENSOLUM

Photographic Log
Hilcorp Energy Company
Allison #112
San Juan County, New Mexico

Photograph: 17 Date: 12/17/2025
Description: Site View

View: West

Photograph: 18 Date: 12/17/2025
Description: Flagging at Site

View: North

Photograph: 19 Date: 12/17/2025
Description: BGT View

View: North

Photograph: 20 Date: 12/17/2025
Description: HA10@0.5', Southwest of BGT Berm.

View: North

ENSOLUM

Photographic Log
Hilcorp Energy Company
Allison #112
San Juan County, New Mexico

Photograph: 21 Date: 12/17/2025
Description: HA10@0.5', Southwest of BGT Berm.

View: North

Photograph: 22 Date: 12/17/2025
Description: HA10@2', Southeast of BGT Berm.

View: Northwest

Photograph: 23 Date: 12/17/2025
Description: HA10@2', Southeast of BGT Berm.

View: North

Photograph: 24 Date: 12/17/2025
Description: Composite FS01; Sample CS01.

View: North

ENSOLUM

Photographic Log
Hilcorp Energy Company
Allison #112
San Juan County, New Mexico

Photograph: 25 Date: 12/17/2025
Description: Composite FS01; Sample CS02.

View: East

Photograph: 26 Date: 12/17/2025
Description: Composite FS01; Sample CS03.

View: Northeast

Photograph: 27 Date: 12/17/2025
Description: Composite FS01; Sample CS04.

View: North

Photograph: 28 Date: 12/17/2025
Description: Composite FS01; Sample CS05.

View: North

ENSOLUM

Photographic Log
Hilcorp Energy Company
Allison #112
San Juan County, New Mexico

Photograph: 29 Date: 12/17/2025
Description: Composite FS02; Sample CS06.

View: Northeast

Photograph: 30 Date: 12/17/2025
Description: Composite FS02; Sample CS07.

View: Southwest

Photograph: 31 Date: 12/17/2025
Description: Composite FS02; Sample CS08.

View: Northeast

Photograph: 32 Date: 12/17/2025
Description: Composite FS02; Sample CS09.

View: West-Southwest

ENSOLUM

Photographic Log
Hilcorp Energy Company
Allison #112
San Juan County, New Mexico

Photograph: 33 Date: 12/17/2025
Description: Composite FS02; Sample CS10.

View: East

Photograph: 34 Date: 12/17/2025
Description: Composite FS03; Sample CS11.

View: East

Photograph: 35 Date: 12/17/2025
Description: Composite FS03; Sample CS12.

View: South-Southeast

Photograph: 36 Date: 12/17/2025
Description: Composite FS03; Sample CS13.

View: West-Northwest

ENSOLUM

Photographic Log
Hilcorp Energy Company
Allison #112
San Juan County, New Mexico

Photograph: 37 Date: 12/17/2025
Description: Composite FS02; Sample CS14.

View: East-Northeast

Photograph: 38 Date: 12/17/2025
Description: Composite FS03; Sample CS15.

View: Northeast

Photograph: 39 Date: 12/17/2025
Description: Composite FS04; Sample CS16.

View: North-Northwest

Photograph: 40 Date: 12/17/2025
Description: Composite FS03; Sample CS17.

View: North-Northeast

ENSOLUM

Photographic Log
Hilcorp Energy Company
Allison #112
San Juan County, New Mexico

Photograph: 41 Date: 12/17/2025
Description: Composite FS02; Sample CS18.

View: North

Photograph: 42 Date: 12/17/2025
Description: Composite FS03; Sample CS19.

View: North

Photograph: 43 Date: 12/17/2025
Description: Composite FS04; Sample CS20.

View: East-Northeast

ENSOLUM

APPENDIX D

Laboratory Analytical Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/10/2025 4:27:50 PM

JOB DESCRIPTION

Allison #112

JOB NUMBER

885-34495-1

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
10/10/2025 4:27:50 PM

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

Client: Hilcorp Energy
Project/Site: Allison #112

Laboratory Job ID: 885-34495-1

Table of Contents

Definitions/Glossary

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-34495-1

Qualifiers

GC Semi VOA

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

Glossary

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

Case Narrative

Client: Hilcorp Energy
Project: Allison #112

Job ID: 885-34495-1

Job ID: 885-34495-1 Eurofins Albuquerque

Job Narrative
885-34495-1

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

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

Receipt
The samples were received on 10/1/2025 7:25 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 3.1°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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 885-36151 and analytical batch 885-36134 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015D_DRO: The following sample required a dilution due to the nature of the sample matrix: HA02@0-0.5' (885-34495-2). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

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

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

Client Sample Results

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-34495-1

Client Sample ID: HA01@5.5'

Date Collected: 09/30/25 10:00
Date Received: 10/01/25 07:25

Lab Sample ID: 885-34495-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7		mg/Kg		10/02/25 13:02	10/03/25 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*15 - 150*	*10/02/25 13:02*	*10/03/25 20:00*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		10/02/25 13:02	10/03/25 20:00	1
Ethylbenzene	ND		0.047		mg/Kg		10/02/25 13:02	10/03/25 20:00	1
Toluene	ND		0.047		mg/Kg		10/02/25 13:02	10/03/25 20:00	1
Xylenes, Total	ND		0.094		mg/Kg		10/02/25 13:02	10/03/25 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*15 - 150*	*10/02/25 13:02*	*10/03/25 20:00*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.9		mg/Kg		10/06/25 10:20	10/07/25 07:48	1
Motor Oil Range Organics [C28-C40]	ND		44		mg/Kg		10/06/25 10:20	10/07/25 07:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*95*		*62 - 134*	*10/06/25 10:20*	*10/07/25 07:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49		mg/Kg		10/02/25 13:57	10/02/25 18:38	10

Client Sample Results

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-34495-1

Client Sample ID: HA02@0-0.5'

Lab Sample ID: 885-34495-2
Matrix: Solid
Date Collected: 09/30/25 10:41
Date Received: 10/01/25 07:25

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7		mg/Kg		10/02/25 13:02	10/03/25 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*15 - 150*	*10/02/25 13:02*	*10/03/25 20:22*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		10/02/25 13:02	10/03/25 20:22	1
Ethylbenzene	ND		0.047		mg/Kg		10/02/25 13:02	10/03/25 20:22	1
Toluene	ND		0.047		mg/Kg		10/02/25 13:02	10/03/25 20:22	1
Xylenes, Total	ND		0.094		mg/Kg		10/02/25 13:02	10/03/25 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*15 - 150*	*10/02/25 13:02*	*10/03/25 20:22*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**340**		90		mg/Kg		10/06/25 10:20	10/09/25 11:39	10
Motor Oil Range Organics [C28-C40]	**6100**		450		mg/Kg		10/06/25 10:20	10/09/25 11:39	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*0*	*S1- D*	*62 - 134*	*10/06/25 10:20*	*10/09/25 11:39*	*10*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		10/02/25 13:57	10/02/25 18:52	10

Client Sample Results

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-34495-1

Client Sample ID: HA02@2'

Date Collected: 09/30/25 10:54
Date Received: 10/01/25 07:25

Lab Sample ID: 885-34495-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9		mg/Kg		10/02/25 13:02	10/03/25 20:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*15 - 150*	*10/02/25 13:02*	*10/03/25 20:43*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		10/02/25 13:02	10/03/25 20:43	1
Ethylbenzene	ND		0.049		mg/Kg		10/02/25 13:02	10/03/25 20:43	1
Toluene	ND		0.049		mg/Kg		10/02/25 13:02	10/03/25 20:43	1
Xylenes, Total	ND		0.098		mg/Kg		10/02/25 13:02	10/03/25 20:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*15 - 150*	*10/02/25 13:02*	*10/03/25 20:43*	*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		9.0		mg/Kg		10/06/25 10:20	10/09/25 11:15	1
Motor Oil Range Organics [C28-C40]	ND		45		mg/Kg		10/06/25 10:20	10/09/25 11:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*96*		*62 - 134*	*10/06/25 10:20*	*10/09/25 11:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49		mg/Kg		10/02/25 13:57	10/02/25 19:06	10

Client Sample Results

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-34495-1

Client Sample ID: HA03@0-0.5'

Lab Sample ID: 885-34495-4
Matrix: Solid
Date Collected: 09/30/25 11:37
Date Received: 10/01/25 07:25

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9		mg/Kg		10/02/25 13:02	10/03/25 21:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*15 - 150*	*10/02/25 13:02*	*10/03/25 21:05*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		10/02/25 13:02	10/03/25 21:05	1
Ethylbenzene	ND		0.049		mg/Kg		10/02/25 13:02	10/03/25 21:05	1
Toluene	ND		0.049		mg/Kg		10/02/25 13:02	10/03/25 21:05	1
Xylenes, Total	ND		0.099		mg/Kg		10/02/25 13:02	10/03/25 21:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*15 - 150*	*10/02/25 13:02*	*10/03/25 21:05*	*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		9.9		mg/Kg		10/06/25 12:26	10/07/25 16:47	1
Motor Oil Range Organics [C28-C40]	**84**		50		mg/Kg		10/06/25 12:26	10/07/25 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*103*		*62 - 134*	*10/06/25 12:26*	*10/07/25 16:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		10/02/25 13:57	10/02/25 19:21	10

Client Sample Results

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-34495-1

Client Sample ID: HA03@2

Date Collected: 09/30/25 11:52
Date Received: 10/01/25 07:25

Lab Sample ID: 885-34495-5

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7		mg/Kg		10/02/25 13:02	10/03/25 21:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*15 - 150*	*10/02/25 13:02*	*10/03/25 21:27*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		10/02/25 13:02	10/03/25 21:27	1
Ethylbenzene	ND		0.047		mg/Kg		10/02/25 13:02	10/03/25 21:27	1
Toluene	ND		0.047		mg/Kg		10/02/25 13:02	10/03/25 21:27	1
Xylenes, Total	ND		0.095		mg/Kg		10/02/25 13:02	10/03/25 21:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*15 - 150*	*10/02/25 13:02*	*10/03/25 21:27*	*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		10		mg/Kg		10/06/25 12:26	10/07/25 17:11	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		10/06/25 12:26	10/07/25 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*104*		*62 - 134*	*10/06/25 12:26*	*10/07/25 17:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		10/02/25 13:57	10/02/25 19:35	10

Client Sample Results

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-34495-1

Client Sample ID: HA04@0-0.5'

Lab Sample ID: 885-34495-6

Date Collected: 09/30/25 12:15
Matrix: Solid
Date Received: 10/01/25 07:25

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7		mg/Kg		10/02/25 13:02	10/03/25 21:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*15 - 150*	*10/02/25 13:02*	*10/03/25 21:49*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		10/02/25 13:02	10/03/25 21:49	1
Ethylbenzene	ND		0.047		mg/Kg		10/02/25 13:02	10/03/25 21:49	1
Toluene	ND		0.047		mg/Kg		10/02/25 13:02	10/03/25 21:49	1
Xylenes, Total	ND		0.093		mg/Kg		10/02/25 13:02	10/03/25 21:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*15 - 150*	*10/02/25 13:02*	*10/03/25 21:49*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8		mg/Kg		10/06/25 12:26	10/07/25 17:34	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		10/06/25 12:26	10/07/25 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*102*		*62 - 134*	*10/06/25 12:26*	*10/07/25 17:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		10/02/25 13:57	10/02/25 19:49	10

Client Sample Results

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-34495-1

Client Sample ID: HA04@2

Date Collected: 09/30/25 12:27
Date Received: 10/01/25 07:25

Lab Sample ID: 885-34495-7

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9		mg/Kg		10/02/25 13:02	10/03/25 22:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*15 - 150*	*10/02/25 13:02*	*10/03/25 22:10*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		10/02/25 13:02	10/03/25 22:10	1
Ethylbenzene	ND		0.049		mg/Kg		10/02/25 13:02	10/03/25 22:10	1
Toluene	ND		0.049		mg/Kg		10/02/25 13:02	10/03/25 22:10	1
Xylenes, Total	ND		0.098		mg/Kg		10/02/25 13:02	10/03/25 22:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*15 - 150*	*10/02/25 13:02*	*10/03/25 22:10*	*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		10/06/25 12:26	10/07/25 17:58	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		10/06/25 12:26	10/07/25 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*96*		*62 - 134*	*10/06/25 12:26*	*10/07/25 17:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		10/02/25 13:57	10/02/25 20:03	10

Client Sample Results

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-34495-1

Client Sample ID: HA05@0-0.5'

Lab Sample ID: 885-34495-8

Date Collected: 09/30/25 13:03

Matrix: Solid

Date Received: 10/01/25 07:25

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9		mg/Kg		10/03/25 17:39	10/05/25 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*15 - 150*	*10/03/25 17:39*	*10/05/25 20:38*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		10/03/25 17:39	10/05/25 20:38	1
Ethylbenzene	ND		0.049		mg/Kg		10/03/25 17:39	10/05/25 20:38	1
Toluene	ND		0.049		mg/Kg		10/03/25 17:39	10/05/25 20:38	1
Xylenes, Total	ND		0.098		mg/Kg		10/03/25 17:39	10/05/25 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*15 - 150*	*10/03/25 17:39*	*10/05/25 20:38*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7		mg/Kg		10/06/25 11:03	10/06/25 21:10	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		10/06/25 11:03	10/06/25 21:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*87*		*62 - 134*	*10/06/25 11:03*	*10/06/25 21:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51		mg/Kg		10/04/25 12:39	10/04/25 14:44	10

Client Sample Results

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-34495-1

Client Sample ID: HA05@2'

Date Collected: 09/30/25 13:13
Date Received: 10/01/25 07:25

Lab Sample ID: 885-34495-9

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8		mg/Kg		10/03/25 17:39	10/05/25 21:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*15 - 150*	*10/03/25 17:39*	*10/05/25 21:01*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		10/03/25 17:39	10/05/25 21:01	1
Ethylbenzene	ND		0.048		mg/Kg		10/03/25 17:39	10/05/25 21:01	1
Toluene	ND		0.048		mg/Kg		10/03/25 17:39	10/05/25 21:01	1
Xylenes, Total	ND		0.096		mg/Kg		10/03/25 17:39	10/05/25 21:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*15 - 150*	*10/03/25 17:39*	*10/05/25 21:01*	*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		9.0		mg/Kg		10/06/25 11:03	10/06/25 21:23	1
Motor Oil Range Organics [C28-C40]	ND		45		mg/Kg		10/06/25 11:03	10/06/25 21:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*87*		*62 - 134*	*10/06/25 11:03*	*10/06/25 21:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		10/04/25 12:39	10/04/25 14:59	10

Client Sample Results

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-34495-1

Client Sample ID: SS01

Date Collected: 09/30/25 14:08
Date Received: 10/01/25 07:25

Lab Sample ID: 885-34495-10

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7		mg/Kg		10/03/25 17:39	10/05/25 21:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*15 - 150*	*10/03/25 17:39*	*10/05/25 21:25*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		10/03/25 17:39	10/05/25 21:25	1
Ethylbenzene	ND		0.047		mg/Kg		10/03/25 17:39	10/05/25 21:25	1
Toluene	ND		0.047		mg/Kg		10/03/25 17:39	10/05/25 21:25	1
Xylenes, Total	ND		0.095		mg/Kg		10/03/25 17:39	10/05/25 21:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*15 - 150*	*10/03/25 17:39*	*10/05/25 21:25*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**110**		8.6		mg/Kg		10/06/25 11:03	10/06/25 21:36	1
Motor Oil Range Organics [C28-C40]	**830**		43		mg/Kg		10/06/25 11:03	10/06/25 21:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*94*		*62 - 134*	*10/06/25 11:03*	*10/06/25 21:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51		mg/Kg		10/04/25 12:39	10/04/25 15:13	10

Client Sample Results

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-34495-1

Client Sample ID: SS02

Date Collected: 09/30/25 14:14
Date Received: 10/01/25 07:25

Lab Sample ID: 885-34495-11

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8		mg/Kg		10/03/25 17:39	10/05/25 21:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*15 - 150*	*10/03/25 17:39*	*10/05/25 21:49*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		10/03/25 17:39	10/05/25 21:49	1
Ethylbenzene	ND		0.048		mg/Kg		10/03/25 17:39	10/05/25 21:49	1
Toluene	ND		0.048		mg/Kg		10/03/25 17:39	10/05/25 21:49	1
Xylenes, Total	ND		0.096		mg/Kg		10/03/25 17:39	10/05/25 21:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*15 - 150*	*10/03/25 17:39*	*10/05/25 21:49*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**20**		8.6		mg/Kg		10/06/25 11:03	10/07/25 16:36	1
Motor Oil Range Organics [C28-C40]	**200**		43		mg/Kg		10/06/25 11:03	10/07/25 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*103*		*62 - 134*	*10/06/25 11:03*	*10/07/25 16:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		10/04/25 12:39	10/04/25 15:27	10

Client Sample Results

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-34495-1

Client Sample ID: SS03

Date Collected: 09/30/25 14:17
Date Received: 10/01/25 07:25

Lab Sample ID: 885-34495-12

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7		mg/Kg		10/03/25 17:39	10/05/25 22:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*15 - 150*	*10/03/25 17:39*	*10/05/25 22:13*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		10/03/25 17:39	10/05/25 22:13	1
Ethylbenzene	ND		0.047		mg/Kg		10/03/25 17:39	10/05/25 22:13	1
Toluene	ND		0.047		mg/Kg		10/03/25 17:39	10/05/25 22:13	1
Xylenes, Total	ND		0.095		mg/Kg		10/03/25 17:39	10/05/25 22:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*15 - 150*	*10/03/25 17:39*	*10/05/25 22:13*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1		mg/Kg		10/06/25 11:03	10/07/25 16:48	1
Motor Oil Range Organics [C28-C40]	**78**		46		mg/Kg		10/06/25 11:03	10/07/25 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*101*		*62 - 134*	*10/06/25 11:03*	*10/07/25 16:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51		mg/Kg		10/04/25 12:39	10/04/25 15:41	10

Client Sample Results

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-34495-1

Client Sample ID: SS04

Date Collected: 09/30/25 14:20
Date Received: 10/01/25 07:25

Lab Sample ID: 885-34495-13

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8		mg/Kg		10/03/25 17:39	10/05/25 22:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*15 - 150*	*10/03/25 17:39*	*10/05/25 22:37*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		10/03/25 17:39	10/05/25 22:37	1
Ethylbenzene	ND		0.048		mg/Kg		10/03/25 17:39	10/05/25 22:37	1
Toluene	ND		0.048		mg/Kg		10/03/25 17:39	10/05/25 22:37	1
Xylenes, Total	ND		0.097		mg/Kg		10/03/25 17:39	10/05/25 22:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*15 - 150*	*10/03/25 17:39*	*10/05/25 22:37*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**68**		9.1		mg/Kg		10/06/25 11:03	10/06/25 22:14	1
Motor Oil Range Organics [C28-C40]	**540**		46		mg/Kg		10/06/25 11:03	10/06/25 22:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*97*		*62 - 134*	*10/06/25 11:03*	*10/06/25 22:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		10/04/25 12:39	10/04/25 15:55	10

QC Sample Results

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-34495-1

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

Lab Sample ID: MB 885-35913/1-A
Matrix: Solid
Analysis Batch: 35993

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35913

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0		mg/Kg		10/02/25 13:02	10/03/25 13:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*15 - 150*	*10/02/25 13:02*	*10/03/25 13:08*	*1*

Lab Sample ID: LCS 885-35913/2-A
Matrix: Solid
Analysis Batch: 35993

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35913

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			25.0	24.5		mg/Kg		98	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*205*		*15 - 150*

Lab Sample ID: MB 885-36088/1-A
Matrix: Solid
Analysis Batch: 36118

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 36088

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0		mg/Kg		10/03/25 17:39	10/05/25 17:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*15 - 150*	*10/03/25 17:39*	*10/05/25 17:28*	*1*

Lab Sample ID: LCS 885-36088/2-A
Matrix: Solid
Analysis Batch: 36118

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 36088

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			25.0	19.4		mg/Kg		77	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*180*		*15 - 150*

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-35913/1-A
Matrix: Solid
Analysis Batch: 35994

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35913

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		10/02/25 13:02	10/03/25 13:08	1
Ethylbenzene	ND		0.050		mg/Kg		10/02/25 13:02	10/03/25 13:08	1
Toluene	ND		0.050		mg/Kg		10/02/25 13:02	10/03/25 13:08	1

QC Sample Results

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-34495-1

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

Lab Sample ID: MB 885-35913/1-A
Matrix: Solid
Analysis Batch: 35994

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35913

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.10		mg/Kg		10/02/25 13:02	10/03/25 13:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*15 - 150*	*10/02/25 13:02*	*10/03/25 13:08*	*1*

Lab Sample ID: LCS 885-35913/3-A
Matrix: Solid
Analysis Batch: 35994

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35913

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			1.00	0.960		mg/Kg		96	70 - 130		
Ethylbenzene			1.00	0.957		mg/Kg		96	70 - 130		
Toluene			1.00	0.949		mg/Kg		95	70 - 130		
Xylenes, Total			3.00	2.81		mg/Kg		94	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*15 - 150*

Lab Sample ID: MB 885-36088/1-A
Matrix: Solid
Analysis Batch: 36117

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 36088

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		10/03/25 17:39	10/05/25 17:28	1
Ethylbenzene	ND		0.050		mg/Kg		10/03/25 17:39	10/05/25 17:28	1
Toluene	ND		0.050		mg/Kg		10/03/25 17:39	10/05/25 17:28	1
Xylenes, Total	ND		0.10		mg/Kg		10/03/25 17:39	10/05/25 17:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*15 - 150*	*10/03/25 17:39*	*10/05/25 17:28*	*1*

Lab Sample ID: LCS 885-36088/3-A
Matrix: Solid
Analysis Batch: 36117

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 36088

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			1.00	0.906		mg/Kg		91	70 - 130		
Ethylbenzene			1.00	0.884		mg/Kg		88	70 - 130		
Toluene			1.00	0.904		mg/Kg		90	70 - 130		
Xylenes, Total			3.00	2.63		mg/Kg		88	70 - 130		

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

QC Sample Results

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-34495-1

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

Lab Sample ID: MB 885-36151/1-A
Matrix: Solid
Analysis Batch: 36134

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 36151

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		10/06/25 10:20	10/06/25 13:45	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		10/06/25 10:20	10/06/25 13:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*97*		*62 - 134*	*10/06/25 10:20*	*10/06/25 13:45*	*1*

Lab Sample ID: LCS 885-36151/2-A
Matrix: Solid
Analysis Batch: 36134

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 36151

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			50.0	49.7		mg/Kg		99	51 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*98*		*62 - 134*

Lab Sample ID: MB 885-36161/1-A
Matrix: Solid
Analysis Batch: 36139

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 36161

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		10/06/25 11:02	10/06/25 20:45	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		10/06/25 11:02	10/06/25 20:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*86*		*62 - 134*	*10/06/25 11:02*	*10/06/25 20:45*	*1*

Lab Sample ID: LCS 885-36161/2-A
Matrix: Solid
Analysis Batch: 36139

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 36161

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			50.0	44.9		mg/Kg		90	51 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*85*		*62 - 134*

Lab Sample ID: MB 885-36175/1-A
Matrix: Solid
Analysis Batch: 36134

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 36175

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		10/06/25 12:26	10/07/25 12:05	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		10/06/25 12:26	10/07/25 12:05	1

QC Sample Results

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-34495-1

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

Lab Sample ID: MB 885-36175/1-A
Matrix: Solid
Analysis Batch: 36134

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 36175

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	*96*		*62 - 134*	*10/06/25 12:26*	*10/07/25 12:05*	*1*

Lab Sample ID: LCS 885-36175/2-A
Matrix: Solid
Analysis Batch: 36134

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 36175

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	47.9		mg/Kg		96	51 - 148

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	*100*		*62 - 134*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-35922/1-A
Matrix: Solid
Analysis Batch: 35928

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35922

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.0	mg/Kg		10/02/25 13:57	10/02/25 15:20	1

Lab Sample ID: LCS 885-35922/2-A
Matrix: Solid
Analysis Batch: 35928

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35922

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	49.8	48.6		mg/Kg		98	90 - 110

Lab Sample ID: MB 885-36098/1-A
Matrix: Solid
Analysis Batch: 36104

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 36098

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		4.9	mg/Kg		10/04/25 12:39	10/04/25 14:00	1

Lab Sample ID: LCS 885-36098/2-A
Matrix: Solid
Analysis Batch: 36104

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 36098

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	48.1		mg/Kg		96	90 - 110

QC Association Summary

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-34495-1

GC VOA

Prep Batch: 35913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-34495-1	HA01@5.5'	Total/NA	Solid	5030C	
885-34495-2	HA02@0-0.5'	Total/NA	Solid	5030C	
885-34495-3	HA02@2'	Total/NA	Solid	5030C	
885-34495-4	HA03@0-0.5'	Total/NA	Solid	5030C	
885-34495-5	HA03@2	Total/NA	Solid	5030C	
885-34495-6	HA04@0-0.5'	Total/NA	Solid	5030C	
885-34495-7	HA04@2	Total/NA	Solid	5030C	
MB 885-35913/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-35913/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-35913/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Analysis Batch: 35993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-34495-1	HA01@5.5'	Total/NA	Solid	8015M/D	35913
885-34495-2	HA02@0-0.5'	Total/NA	Solid	8015M/D	35913
885-34495-3	HA02@2'	Total/NA	Solid	8015M/D	35913
885-34495-4	HA03@0-0.5'	Total/NA	Solid	8015M/D	35913
885-34495-5	HA03@2	Total/NA	Solid	8015M/D	35913
885-34495-6	HA04@0-0.5'	Total/NA	Solid	8015M/D	35913
885-34495-7	HA04@2	Total/NA	Solid	8015M/D	35913
MB 885-35913/1-A	Method Blank	Total/NA	Solid	8015M/D	35913
LCS 885-35913/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	35913

Analysis Batch: 35994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-34495-1	HA01@5.5'	Total/NA	Solid	8021B	35913
885-34495-2	HA02@0-0.5'	Total/NA	Solid	8021B	35913
885-34495-3	HA02@2'	Total/NA	Solid	8021B	35913
885-34495-4	HA03@0-0.5'	Total/NA	Solid	8021B	35913
885-34495-5	HA03@2	Total/NA	Solid	8021B	35913
885-34495-6	HA04@0-0.5'	Total/NA	Solid	8021B	35913
885-34495-7	HA04@2	Total/NA	Solid	8021B	35913
MB 885-35913/1-A	Method Blank	Total/NA	Solid	8021B	35913
LCS 885-35913/3-A	Lab Control Sample	Total/NA	Solid	8021B	35913

Prep Batch: 36088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-34495-8	HA05@0-0.5'	Total/NA	Solid	5030C	
885-34495-9	HA05@2'	Total/NA	Solid	5030C	
885-34495-10	SS01	Total/NA	Solid	5030C	
885-34495-11	SS02	Total/NA	Solid	5030C	
885-34495-12	SS03	Total/NA	Solid	5030C	
885-34495-13	SS04	Total/NA	Solid	5030C	
MB 885-36088/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-36088/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-36088/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Analysis Batch: 36117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-34495-8	HA05@0-0.5'	Total/NA	Solid	8021B	36088
885-34495-9	HA05@2'	Total/NA	Solid	8021B	36088

QC Association Summary

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-34495-1

GC VOA (Continued)

Analysis Batch: 36117 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-34495-10	SS01	Total/NA	Solid	8021B	36088
885-34495-11	SS02	Total/NA	Solid	8021B	36088
885-34495-12	SS03	Total/NA	Solid	8021B	36088
885-34495-13	SS04	Total/NA	Solid	8021B	36088
MB 885-36088/1-A	Method Blank	Total/NA	Solid	8021B	36088
LCS 885-36088/3-A	Lab Control Sample	Total/NA	Solid	8021B	36088

Analysis Batch: 36118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-34495-8	HA05@0-0.5'	Total/NA	Solid	8015M/D	36088
885-34495-9	HA05@2'	Total/NA	Solid	8015M/D	36088
885-34495-10	SS01	Total/NA	Solid	8015M/D	36088
885-34495-11	SS02	Total/NA	Solid	8015M/D	36088
885-34495-12	SS03	Total/NA	Solid	8015M/D	36088
885-34495-13	SS04	Total/NA	Solid	8015M/D	36088
MB 885-36088/1-A	Method Blank	Total/NA	Solid	8015M/D	36088
LCS 885-36088/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	36088

GC Semi VOA

Analysis Batch: 36134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-34495-1	HA01@5.5'	Total/NA	Solid	8015M/D	36151
885-34495-4	HA03@0-0.5'	Total/NA	Solid	8015M/D	36175
885-34495-5	HA03@2	Total/NA	Solid	8015M/D	36175
885-34495-6	HA04@0-0.5'	Total/NA	Solid	8015M/D	36175
885-34495-7	HA04@2	Total/NA	Solid	8015M/D	36175
MB 885-36151/1-A	Method Blank	Total/NA	Solid	8015M/D	36151
MB 885-36175/1-A	Method Blank	Total/NA	Solid	8015M/D	36175
LCS 885-36151/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	36151
LCS 885-36175/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	36175

Analysis Batch: 36139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-34495-8	HA05@0-0.5'	Total/NA	Solid	8015M/D	36161
885-34495-9	HA05@2'	Total/NA	Solid	8015M/D	36161
885-34495-10	SS01	Total/NA	Solid	8015M/D	36161
885-34495-13	SS04	Total/NA	Solid	8015M/D	36161
MB 885-36161/1-A	Method Blank	Total/NA	Solid	8015M/D	36161
LCS 885-36161/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	36161

Prep Batch: 36151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-34495-1	HA01@5.5'	Total/NA	Solid	SHAKE	
885-34495-2	HA02@0-0.5'	Total/NA	Solid	SHAKE	
885-34495-3	HA02@2'	Total/NA	Solid	SHAKE	
MB 885-36151/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-36151/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

QC Association Summary

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-34495-1

GC Semi VOA

Prep Batch: 36161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-34495-8	HA05@0-0.5'	Total/NA	Solid	SHAKE	
885-34495-9	HA05@2'	Total/NA	Solid	SHAKE	
885-34495-10	SS01	Total/NA	Solid	SHAKE	
885-34495-11	SS02	Total/NA	Solid	SHAKE	
885-34495-12	SS03	Total/NA	Solid	SHAKE	
885-34495-13	SS04	Total/NA	Solid	SHAKE	
MB 885-36161/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-36161/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Prep Batch: 36175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-34495-4	HA03@0-0.5'	Total/NA	Solid	SHAKE	
885-34495-5	HA03@2	Total/NA	Solid	SHAKE	
885-34495-6	HA04@0-0.5'	Total/NA	Solid	SHAKE	
885-34495-7	HA04@2	Total/NA	Solid	SHAKE	
MB 885-36175/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-36175/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 36232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-34495-11	SS02	Total/NA	Solid	8015M/D	36161
885-34495-12	SS03	Total/NA	Solid	8015M/D	36161

Analysis Batch: 36384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-34495-2	HA02@0-0.5'	Total/NA	Solid	8015M/D	36151
885-34495-3	HA02@2'	Total/NA	Solid	8015M/D	36151

HPLC/IC

Prep Batch: 35922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-34495-1	HA01@5.5'	Total/NA	Solid	300_Prep	
885-34495-2	HA02@0-0.5'	Total/NA	Solid	300_Prep	
885-34495-3	HA02@2'	Total/NA	Solid	300_Prep	
885-34495-4	HA03@0-0.5'	Total/NA	Solid	300_Prep	
885-34495-5	HA03@2	Total/NA	Solid	300_Prep	
885-34495-6	HA04@0-0.5'	Total/NA	Solid	300_Prep	
885-34495-7	HA04@2	Total/NA	Solid	300_Prep	
MB 885-35922/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-35922/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 35928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-34495-1	HA01@5.5'	Total/NA	Solid	300.0	35922
885-34495-2	HA02@0-0.5'	Total/NA	Solid	300.0	35922
885-34495-3	HA02@2'	Total/NA	Solid	300.0	35922
885-34495-4	HA03@0-0.5'	Total/NA	Solid	300.0	35922
885-34495-5	HA03@2	Total/NA	Solid	300.0	35922
885-34495-6	HA04@0-0.5'	Total/NA	Solid	300.0	35922
885-34495-7	HA04@2	Total/NA	Solid	300.0	35922

QC Association Summary

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-34495-1

HPLC/IC (Continued)

Analysis Batch: 35928 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-35922/1-A	Method Blank	Total/NA	Solid	300.0	35922
LCS 885-35922/2-A	Lab Control Sample	Total/NA	Solid	300.0	35922

Prep Batch: 36098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-34495-8	HA05@0-0.5'	Total/NA	Solid	300_Prep	
885-34495-9	HA05@2'	Total/NA	Solid	300_Prep	
885-34495-10	SS01	Total/NA	Solid	300_Prep	
885-34495-11	SS02	Total/NA	Solid	300_Prep	
885-34495-12	SS03	Total/NA	Solid	300_Prep	
885-34495-13	SS04	Total/NA	Solid	300_Prep	
MB 885-36098/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-36098/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 36104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-34495-8	HA05@0-0.5'	Total/NA	Solid	300.0	36098
885-34495-9	HA05@2'	Total/NA	Solid	300.0	36098
885-34495-10	SS01	Total/NA	Solid	300.0	36098
885-34495-11	SS02	Total/NA	Solid	300.0	36098
885-34495-12	SS03	Total/NA	Solid	300.0	36098
885-34495-13	SS04	Total/NA	Solid	300.0	36098
MB 885-36098/1-A	Method Blank	Total/NA	Solid	300.0	36098
LCS 885-36098/2-A	Lab Control Sample	Total/NA	Solid	300.0	36098

Lab Chronicle

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-34495-1

Client Sample ID: HA01@5.5'
Lab Sample ID: 885-34495-1
Date Collected: 09/30/25 10:00
Matrix: Solid
Date Received: 10/01/25 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			35913	JP	EET ALB	10/02/25 13:02
Total/NA	Analysis	8015M/D		1	35993	AT	EET ALB	10/03/25 20:00
Total/NA	Prep	5030C			35913	JP	EET ALB	10/02/25 13:02
Total/NA	Analysis	8021B		1	35994	AT	EET ALB	10/03/25 20:00
Total/NA	Prep	SHAKE			36151	DH	EET ALB	10/06/25 10:20
Total/NA	Analysis	8015M/D		1	36134	DR	EET ALB	10/07/25 07:48
Total/NA	Prep	300_Prep			35922	MA	EET ALB	10/02/25 13:57
Total/NA	Analysis	300.0		10	35928	MA	EET ALB	10/02/25 18:38

Client Sample ID: HA02@0-0.5'
Lab Sample ID: 885-34495-2
Date Collected: 09/30/25 10:41
Matrix: Solid
Date Received: 10/01/25 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			35913	JP	EET ALB	10/02/25 13:02
Total/NA	Analysis	8015M/D		1	35993	AT	EET ALB	10/03/25 20:22
Total/NA	Prep	5030C			35913	JP	EET ALB	10/02/25 13:02
Total/NA	Analysis	8021B		1	35994	AT	EET ALB	10/03/25 20:22
Total/NA	Prep	SHAKE			36151	DH	EET ALB	10/06/25 10:20
Total/NA	Analysis	8015M/D		10	36384	EM	EET ALB	10/09/25 11:39
Total/NA	Prep	300_Prep			35922	MA	EET ALB	10/02/25 13:57
Total/NA	Analysis	300.0		10	35928	MA	EET ALB	10/02/25 18:52

Client Sample ID: HA02@2'
Lab Sample ID: 885-34495-3
Date Collected: 09/30/25 10:54
Matrix: Solid
Date Received: 10/01/25 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			35913	JP	EET ALB	10/02/25 13:02
Total/NA	Analysis	8015M/D		1	35993	AT	EET ALB	10/03/25 20:43
Total/NA	Prep	5030C			35913	JP	EET ALB	10/02/25 13:02
Total/NA	Analysis	8021B		1	35994	AT	EET ALB	10/03/25 20:43
Total/NA	Prep	SHAKE			36151	DH	EET ALB	10/06/25 10:20
Total/NA	Analysis	8015M/D		1	36384	EM	EET ALB	10/09/25 11:15
Total/NA	Prep	300_Prep			35922	MA	EET ALB	10/02/25 13:57
Total/NA	Analysis	300.0		10	35928	MA	EET ALB	10/02/25 19:06

Client Sample ID: HA03@0-0.5'
Lab Sample ID: 885-34495-4
Date Collected: 09/30/25 11:37
Matrix: Solid
Date Received: 10/01/25 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			35913	JP	EET ALB	10/02/25 13:02
Total/NA	Analysis	8015M/D		1	35993	AT	EET ALB	10/03/25 21:05

Lab Chronicle

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-34495-1

Client Sample ID: HA03@0-0.5'

Lab Sample ID: 885-34495-4
Matrix: Solid
Date Collected: 09/30/25 11:37
Date Received: 10/01/25 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			35913	JP	EET ALB	10/02/25 13:02
Total/NA	Analysis	8021B		1	35994	AT	EET ALB	10/03/25 21:05
Total/NA	Prep	SHAKE			36175	DR	EET ALB	10/06/25 12:26
Total/NA	Analysis	8015M/D		1	36134	DR	EET ALB	10/07/25 16:47
Total/NA	Prep	300_Prep			35922	MA	EET ALB	10/02/25 13:57
Total/NA	Analysis	300.0		10	35928	MA	EET ALB	10/02/25 19:21

Client Sample ID: HA03@2

Lab Sample ID: 885-34495-5
Matrix: Solid
Date Collected: 09/30/25 11:52
Date Received: 10/01/25 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			35913	JP	EET ALB	10/02/25 13:02
Total/NA	Analysis	8015M/D		1	35993	AT	EET ALB	10/03/25 21:27
Total/NA	Prep	5030C			35913	JP	EET ALB	10/02/25 13:02
Total/NA	Analysis	8021B		1	35994	AT	EET ALB	10/03/25 21:27
Total/NA	Prep	SHAKE			36175	DR	EET ALB	10/06/25 12:26
Total/NA	Analysis	8015M/D		1	36134	DR	EET ALB	10/07/25 17:11
Total/NA	Prep	300_Prep			35922	MA	EET ALB	10/02/25 13:57
Total/NA	Analysis	300.0		10	35928	MA	EET ALB	10/02/25 19:35

Client Sample ID: HA04@0-0.5'

Lab Sample ID: 885-34495-6
Matrix: Solid
Date Collected: 09/30/25 12:15
Date Received: 10/01/25 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			35913	JP	EET ALB	10/02/25 13:02
Total/NA	Analysis	8015M/D		1	35993	AT	EET ALB	10/03/25 21:49
Total/NA	Prep	5030C			35913	JP	EET ALB	10/02/25 13:02
Total/NA	Analysis	8021B		1	35994	AT	EET ALB	10/03/25 21:49
Total/NA	Prep	SHAKE			36175	DR	EET ALB	10/06/25 12:26
Total/NA	Analysis	8015M/D		1	36134	DR	EET ALB	10/07/25 17:34
Total/NA	Prep	300_Prep			35922	MA	EET ALB	10/02/25 13:57
Total/NA	Analysis	300.0		10	35928	MA	EET ALB	10/02/25 19:49

Client Sample ID: HA04@2

Lab Sample ID: 885-34495-7
Matrix: Solid
Date Collected: 09/30/25 12:27
Date Received: 10/01/25 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			35913	JP	EET ALB	10/02/25 13:02
Total/NA	Analysis	8015M/D		1	35993	AT	EET ALB	10/03/25 22:10
Total/NA	Prep	5030C			35913	JP	EET ALB	10/02/25 13:02
Total/NA	Analysis	8021B		1	35994	AT	EET ALB	10/03/25 22:10

Lab Chronicle

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-34495-1

Client Sample ID: HA04@2

Lab Sample ID: 885-34495-7
Matrix: Solid
Date Collected: 09/30/25 12:27
Date Received: 10/01/25 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			36175	DR	EET ALB	10/06/25 12:26
Total/NA	Analysis	8015M/D		1	36134	DR	EET ALB	10/07/25 17:58
Total/NA	Prep	300_Prep			35922	MA	EET ALB	10/02/25 13:57
Total/NA	Analysis	300.0		10	35928	MA	EET ALB	10/02/25 20:03

Client Sample ID: HA05@0-0.5'

Lab Sample ID: 885-34495-8
Matrix: Solid
Date Collected: 09/30/25 13:03
Date Received: 10/01/25 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			36088	JP	EET ALB	10/03/25 17:39
Total/NA	Analysis	8015M/D		1	36118	JP	EET ALB	10/05/25 20:38
Total/NA	Prep	5030C			36088	JP	EET ALB	10/03/25 17:39
Total/NA	Analysis	8021B		1	36117	JP	EET ALB	10/05/25 20:38
Total/NA	Prep	SHAKE			36161	DH	EET ALB	10/06/25 11:03
Total/NA	Analysis	8015M/D		1	36139	BZR	EET ALB	10/06/25 21:10
Total/NA	Prep	300_Prep			36098	JT	EET ALB	10/04/25 12:39
Total/NA	Analysis	300.0		10	36104	JT	EET ALB	10/04/25 14:44

Client Sample ID: HA05@2'

Lab Sample ID: 885-34495-9
Matrix: Solid
Date Collected: 09/30/25 13:13
Date Received: 10/01/25 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			36088	JP	EET ALB	10/03/25 17:39
Total/NA	Analysis	8015M/D		1	36118	JP	EET ALB	10/05/25 21:01
Total/NA	Prep	5030C			36088	JP	EET ALB	10/03/25 17:39
Total/NA	Analysis	8021B		1	36117	JP	EET ALB	10/05/25 21:01
Total/NA	Prep	SHAKE			36161	DH	EET ALB	10/06/25 11:03
Total/NA	Analysis	8015M/D		1	36139	BZR	EET ALB	10/06/25 21:23
Total/NA	Prep	300_Prep			36098	JT	EET ALB	10/04/25 12:39
Total/NA	Analysis	300.0		10	36104	JT	EET ALB	10/04/25 14:59

Client Sample ID: SS01

Lab Sample ID: 885-34495-10
Matrix: Solid
Date Collected: 09/30/25 14:08
Date Received: 10/01/25 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			36088	JP	EET ALB	10/03/25 17:39
Total/NA	Analysis	8015M/D		1	36118	JP	EET ALB	10/05/25 21:25
Total/NA	Prep	5030C			36088	JP	EET ALB	10/03/25 17:39
Total/NA	Analysis	8021B		1	36117	JP	EET ALB	10/05/25 21:25
Total/NA	Prep	SHAKE			36161	DH	EET ALB	10/06/25 11:03
Total/NA	Analysis	8015M/D		1	36139	BZR	EET ALB	10/06/25 21:36

Lab Chronicle

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-34495-1

Client Sample ID: SS01

Lab Sample ID: 885-34495-10

Date Collected: 09/30/25 14:08
Matrix: Solid
Date Received: 10/01/25 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			36098	JT	EET ALB	10/04/25 12:39
Total/NA	Analysis	300.0		10	36104	JT	EET ALB	10/04/25 15:13

Client Sample ID: SS02

Lab Sample ID: 885-34495-11

Date Collected: 09/30/25 14:14
Matrix: Solid
Date Received: 10/01/25 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			36088	JP	EET ALB	10/03/25 17:39
Total/NA	Analysis	8015M/D		1	36118	JP	EET ALB	10/05/25 21:49
Total/NA	Prep	5030C			36088	JP	EET ALB	10/03/25 17:39
Total/NA	Analysis	8021B		1	36117	JP	EET ALB	10/05/25 21:49
Total/NA	Prep	SHAKE			36161	DH	EET ALB	10/06/25 11:03
Total/NA	Analysis	8015M/D		1	36232	DH	EET ALB	10/07/25 16:36
Total/NA	Prep	300_Prep			36098	JT	EET ALB	10/04/25 12:39
Total/NA	Analysis	300.0		10	36104	JT	EET ALB	10/04/25 15:27

Client Sample ID: SS03

Lab Sample ID: 885-34495-12

Date Collected: 09/30/25 14:17
Matrix: Solid
Date Received: 10/01/25 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			36088	JP	EET ALB	10/03/25 17:39
Total/NA	Analysis	8015M/D		1	36118	JP	EET ALB	10/05/25 22:13
Total/NA	Prep	5030C			36088	JP	EET ALB	10/03/25 17:39
Total/NA	Analysis	8021B		1	36117	JP	EET ALB	10/05/25 22:13
Total/NA	Prep	SHAKE			36161	DH	EET ALB	10/06/25 11:03
Total/NA	Analysis	8015M/D		1	36232	DH	EET ALB	10/07/25 16:48
Total/NA	Prep	300_Prep			36098	JT	EET ALB	10/04/25 12:39
Total/NA	Analysis	300.0		10	36104	JT	EET ALB	10/04/25 15:41

Client Sample ID: SS04

Lab Sample ID: 885-34495-13

Date Collected: 09/30/25 14:20
Matrix: Solid
Date Received: 10/01/25 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			36088	JP	EET ALB	10/03/25 17:39
Total/NA	Analysis	8015M/D		1	36118	JP	EET ALB	10/05/25 22:37
Total/NA	Prep	5030C			36088	JP	EET ALB	10/03/25 17:39
Total/NA	Analysis	8021B		1	36117	JP	EET ALB	10/05/25 22:37
Total/NA	Prep	SHAKE			36161	DH	EET ALB	10/06/25 11:03
Total/NA	Analysis	8015M/D		1	36139	BZR	EET ALB	10/06/25 22:14
Total/NA	Prep	300_Prep			36098	JT	EET ALB	10/04/25 12:39
Total/NA	Analysis	300.0		10	36104	JT	EET ALB	10/04/25 15:55

Lab Chronicle

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-34495-1

Laboratory References:

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

Accreditation/Certification Summary

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-34495-1

Laboratory: Eurofins Albuquerque

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

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

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

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

Oregon	NELAP	NM100001	02-26-26

Chain-of-Custody Record

Client: Hilcorp Energy Company

attn: Kate Kaufman

Mailing Address: kkaufman@hilcorp.com

Phone #:

email or Fax#:

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: 5 dy
☒ Standard ☐ Rush

Project Name: Allison #112

Project #:

Project Manager: Wes Weichert
wweichert@ensolum

Sampler: Osgood Froelich

On Ice: ☐ Yes ☐ No

# of Coolers: 1 Abbas

Cooler Temp (including CF): 3.3-0.2=3.1 (°C)

HALL ENVIRONMENTAL ANALYSIS LABO
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 8
Tel. 505-345-3975 Fax 505-345-4107

885-34495 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)
9/30/25	1000	Soil	HA01@5.5'	4 oz, one	on ice	1	X	X					X			
	1041		HA02@0-0.5'			2										
	1054		HA02@2'			3										
	1137		HA03@0-0.5'			4										
	1152		HA03@2'			5										
	1215		HA04@0-0.5'			6										
	1227		HA04@2'			7										
	1303		HA05@0-0.5'			8										
	1313		HA05@2'			9										
	1408		SS01			10										
	1414		SS02			11										
9/30/25	1417	Soil	SS03	4 oz, one	on ice	12	X	X					X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
9/30/25	1625				9/30/25	1625
9/30/25	1730			courier	10/1/25	7:25

Remarks: cc: shyde@ensolum.com
ofroelich@ensolum.com
wweichert@ensolum.com
kkaufman@ensolum.com

for NMOCD

page 1 of 2

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: Hilcorp Energy Company

attn: Kate Kaufman

Mailing Address:

Phone #:

email or Fax#: kKaufman@hilcorp.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: 5 days

☒ Standard ☐ Rush

Project Name: Allison #112

Project #:

Project Manager: Wes Weichert wweichert@ensolum.com

Sampler: Osgood Froelich

On Ice: ☒ Yes ☐ No

# of Coolers: 1 Abby

Cooler Temp (including CF): 3.3-0.2=3.1 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

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)
9/30/25	1420	soil	SS04	4 oz, one	on ice	13	X	X					X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
9/30/25	1625				9/30/25	1625
9/30/25	1730				10/1/25	7:25

Remarks:

cc: shyde@ensolum.com
ofroelich@ensolum.com

For NMOCD

page 2 of 2

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: 885-34495-1

Login Number: 34495 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: McQuiston, Steven

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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/3/2025 2:13:12 PM

JOB DESCRIPTION

Allison #112

JOB NUMBER

885-36408-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

my EOL

Eurofins Albuquerque

Job Notes

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

Authorization

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11/3/2025 2:13:12 PM

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

Client: Hilcorp Energy
Project/Site: Allison #112

Laboratory Job ID: 885-36408-1

Table of Contents

Definitions/Glossary

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-36408-1

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.

Glossary

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

Case Narrative

Client: Hilcorp Energy
Project: Allison #112

Job ID: 885-36408-1

Job ID: 885-36408-1 Eurofins Albuquerque

Job Narrative
885-36408-1

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

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

Receipt
The samples were received on 10/29/2025 6:35 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 1.9°C.

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-122526 and analytical batch 880-122521 was outside the upper control limits.

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

Diesel Range Organics
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-122464/1-A). Evidence of matrix interferences is not obvious.

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: Allison #112

Job ID: 885-36408-1

Client Sample ID: HA06 6"

Date Collected: 10/28/25 11:45
Date Received: 10/29/25 06:35

Lab Sample ID: 885-36408-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020		mg/Kg		10/31/25 08:53	10/31/25 14:53	1
Toluene	ND		0.0020		mg/Kg		10/31/25 08:53	10/31/25 14:53	1
Ethylbenzene	ND		0.0020		mg/Kg		10/31/25 08:53	10/31/25 14:53	1
Xylenes, Total	ND		0.0040		mg/Kg		10/31/25 08:53	10/31/25 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*10/31/25 08:53*	*10/31/25 14:53*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*10/31/25 08:53*	*10/31/25 14:53*	*1*

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50		mg/Kg		10/30/25 12:09	10/31/25 05:09	1
Diesel Range Organics (Over C10-C28)	ND		50		mg/Kg		10/30/25 12:09	10/31/25 05:09	1
Oil Range Organics (Over C28-C36)	ND		50		mg/Kg		10/30/25 12:09	10/31/25 05:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*10/30/25 12:09*	*10/31/25 05:09*	*1*
o-Terphenyl	*83*		*70 - 130*	*10/30/25 12:09*	*10/31/25 05:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**110**		10		mg/Kg			10/31/25 00:10	1

Client Sample Results

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-36408-1

Client Sample ID: HA06 2'

Date Collected: 10/28/25 11:58
Date Received: 10/29/25 06:35

Lab Sample ID: 885-36408-2

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020		mg/Kg		10/31/25 08:53	10/31/25 15:14	1
Toluene	ND		0.0020		mg/Kg		10/31/25 08:53	10/31/25 15:14	1
Ethylbenzene	ND		0.0020		mg/Kg		10/31/25 08:53	10/31/25 15:14	1
Xylenes, Total	ND		0.0040		mg/Kg		10/31/25 08:53	10/31/25 15:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*10/31/25 08:53*	*10/31/25 15:14*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*10/31/25 08:53*	*10/31/25 15:14*	*1*

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50		mg/Kg		10/30/25 12:09	10/31/25 05:24	1
Diesel Range Organics (Over C10-C28)	ND		50		mg/Kg		10/30/25 12:09	10/31/25 05:24	1
Oil Range Organics (Over C28-C36)	ND		50		mg/Kg		10/30/25 12:09	10/31/25 05:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*10/30/25 12:09*	*10/31/25 05:24*	*1*
o-Terphenyl	*93*		*70 - 130*	*10/30/25 12:09*	*10/31/25 05:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**150**		9.9		mg/Kg			10/31/25 00:15	1

Client Sample Results

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-36408-1

Client Sample ID: HA07 6"

Date Collected: 10/28/25 11:50
Date Received: 10/29/25 06:35

Lab Sample ID: 885-36408-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020		mg/Kg		10/31/25 08:53	10/31/25 16:46	1
Toluene	ND		0.0020		mg/Kg		10/31/25 08:53	10/31/25 16:46	1
Ethylbenzene	ND		0.0020		mg/Kg		10/31/25 08:53	10/31/25 16:46	1
Xylenes, Total	ND		0.0040		mg/Kg		10/31/25 08:53	10/31/25 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*10/31/25 08:53*	*10/31/25 16:46*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*10/31/25 08:53*	*10/31/25 16:46*	*1*

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50		mg/Kg		10/30/25 12:09	10/31/25 05:39	1
Diesel Range Organics (Over C10-C28)	ND		50		mg/Kg		10/30/25 12:09	10/31/25 05:39	1
Oil Range Organics (Over C28-C36)	ND		50		mg/Kg		10/30/25 12:09	10/31/25 05:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*10/30/25 12:09*	*10/31/25 05:39*	*1*
o-Terphenyl	*93*		*70 - 130*	*10/30/25 12:09*	*10/31/25 05:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**110**		10		mg/Kg			10/31/25 00:20	1

Client Sample Results

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-36408-1

Client Sample ID: HA07 2'

Date Collected: 10/28/25 11:55
Date Received: 10/29/25 06:35

Lab Sample ID: 885-36408-4

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020		mg/Kg		10/31/25 08:53	10/31/25 17:07	1
Toluene	ND		0.0020		mg/Kg		10/31/25 08:53	10/31/25 17:07	1
Ethylbenzene	ND		0.0020		mg/Kg		10/31/25 08:53	10/31/25 17:07	1
Xylenes, Total	ND		0.0040		mg/Kg		10/31/25 08:53	10/31/25 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*10/31/25 08:53*	*10/31/25 17:07*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*10/31/25 08:53*	*10/31/25 17:07*	*1*

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50		mg/Kg		10/30/25 12:09	10/31/25 05:54	1
Diesel Range Organics (Over C10-C28)	ND		50		mg/Kg		10/30/25 12:09	10/31/25 05:54	1
Oil Range Organics (Over C28-C36)	ND		50		mg/Kg		10/30/25 12:09	10/31/25 05:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*10/30/25 12:09*	*10/31/25 05:54*	*1*
o-Terphenyl	*96*		*70 - 130*	*10/30/25 12:09*	*10/31/25 05:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**130**		10		mg/Kg			10/31/25 00:25	1

Client Sample Results

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-36408-1

Client Sample ID: HA08 6"

Date Collected: 10/28/25 12:00
Date Received: 10/29/25 06:35

Lab Sample ID: 885-36408-5

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020		mg/Kg		10/31/25 08:55	10/31/25 19:32	1
Toluene	ND		0.0020		mg/Kg		10/31/25 08:55	10/31/25 19:32	1
Ethylbenzene	ND		0.0020		mg/Kg		10/31/25 08:55	10/31/25 19:32	1
Xylenes, Total	ND		0.0040		mg/Kg		10/31/25 08:55	10/31/25 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*10/31/25 08:55*	*10/31/25 19:32*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*10/31/25 08:55*	*10/31/25 19:32*	*1*

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50		mg/Kg		10/30/25 12:09	10/31/25 06:09	1
Diesel Range Organics (Over C10-C28)	ND		50		mg/Kg		10/30/25 12:09	10/31/25 06:09	1
Oil Range Organics (Over C28-C36)	ND		50		mg/Kg		10/30/25 12:09	10/31/25 06:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*10/30/25 12:09*	*10/31/25 06:09*	*1*
o-Terphenyl	*93*		*70 - 130*	*10/30/25 12:09*	*10/31/25 06:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**92**		9.9		mg/Kg			10/31/25 00:31	1

Client Sample Results

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-36408-1

Client Sample ID: HA08 2'

Date Collected: 10/28/25 12:15
Date Received: 10/29/25 06:35

Lab Sample ID: 885-36408-6

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020		mg/Kg		10/31/25 08:55	10/31/25 19:53	1
Toluene	ND		0.0020		mg/Kg		10/31/25 08:55	10/31/25 19:53	1
Ethylbenzene	ND		0.0020		mg/Kg		10/31/25 08:55	10/31/25 19:53	1
Xylenes, Total	ND		0.0040		mg/Kg		10/31/25 08:55	10/31/25 19:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*10/31/25 08:55*	*10/31/25 19:53*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*10/31/25 08:55*	*10/31/25 19:53*	*1*

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50		mg/Kg		10/30/25 12:09	10/31/25 06:24	1
Diesel Range Organics (Over C10-C28)	ND		50		mg/Kg		10/30/25 12:09	10/31/25 06:24	1
Oil Range Organics (Over C28-C36)	ND		50		mg/Kg		10/30/25 12:09	10/31/25 06:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*10/30/25 12:09*	*10/31/25 06:24*	*1*
o-Terphenyl	*95*		*70 - 130*	*10/30/25 12:09*	*10/31/25 06:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**83**		9.9		mg/Kg			10/31/25 09:13	1

Client Sample Results

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-36408-1

Client Sample ID: HA09 6"

Date Collected: 10/28/25 11:50
Date Received: 10/29/25 06:35

Lab Sample ID: 885-36408-7

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020		mg/Kg		10/31/25 08:55	10/31/25 20:13	1
Toluene	ND		0.0020		mg/Kg		10/31/25 08:55	10/31/25 20:13	1
Ethylbenzene	ND		0.0020		mg/Kg		10/31/25 08:55	10/31/25 20:13	1
Xylenes, Total	ND		0.0040		mg/Kg		10/31/25 08:55	10/31/25 20:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*10/31/25 08:55*	*10/31/25 20:13*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*10/31/25 08:55*	*10/31/25 20:13*	*1*

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50		mg/Kg		10/30/25 12:09	10/31/25 06:39	1
Diesel Range Organics (Over C10-C28)	ND		50		mg/Kg		10/30/25 12:09	10/31/25 06:39	1
Oil Range Organics (Over C28-C36)	ND		50		mg/Kg		10/30/25 12:09	10/31/25 06:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*10/30/25 12:09*	*10/31/25 06:39*	*1*
o-Terphenyl	*87*		*70 - 130*	*10/30/25 12:09*	*10/31/25 06:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**85**		10		mg/Kg			10/31/25 17:52	1

Client Sample Results

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-36408-1

Client Sample ID: HA09 2'

Date Collected: 10/28/25 11:55
Date Received: 10/29/25 06:35

Lab Sample ID: 885-36408-8

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020		mg/Kg		10/31/25 08:53	10/31/25 18:37	1
Toluene	ND		0.0020		mg/Kg		10/31/25 08:53	10/31/25 18:37	1
Ethylbenzene	ND		0.0020		mg/Kg		10/31/25 08:53	10/31/25 18:37	1
Xylenes, Total	ND		0.0040		mg/Kg		10/31/25 08:53	10/31/25 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*10/31/25 08:53*	*10/31/25 18:37*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*10/31/25 08:53*	*10/31/25 18:37*	*1*

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50		mg/Kg		10/30/25 12:09	10/31/25 06:54	1
Diesel Range Organics (Over C10-C28)	ND		50		mg/Kg		10/30/25 12:09	10/31/25 06:54	1
Oil Range Organics (Over C28-C36)	ND		50		mg/Kg		10/30/25 12:09	10/31/25 06:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*10/30/25 12:09*	*10/31/25 06:54*	*1*
o-Terphenyl	*93*		*70 - 130*	*10/30/25 12:09*	*10/31/25 06:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**190**		10		mg/Kg			10/31/25 18:09	1

Client Sample Results

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-36408-1

Client Sample ID: HA10 6"

Date Collected: 10/28/25 12:30
Date Received: 10/29/25 06:35

Lab Sample ID: 885-36408-9

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020		mg/Kg		10/31/25 08:53	10/31/25 18:58	1
Toluene	ND		0.0020		mg/Kg		10/31/25 08:53	10/31/25 18:58	1
Ethylbenzene	ND		0.0020		mg/Kg		10/31/25 08:53	10/31/25 18:58	1
Xylenes, Total	ND		0.0040		mg/Kg		10/31/25 08:53	10/31/25 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*10/31/25 08:53*	*10/31/25 18:58*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*10/31/25 08:53*	*10/31/25 18:58*	*1*

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50		mg/Kg		10/30/25 12:09	10/31/25 07:10	1
Diesel Range Organics (Over C10-C28)	ND		50		mg/Kg		10/30/25 12:09	10/31/25 07:10	1
Oil Range Organics (Over C28-C36)	ND		50		mg/Kg		10/30/25 12:09	10/31/25 07:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*10/30/25 12:09*	*10/31/25 07:10*	*1*
o-Terphenyl	*81*		*70 - 130*	*10/30/25 12:09*	*10/31/25 07:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**110**		10		mg/Kg			10/31/25 18:15	1

Client Sample Results

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-36408-1

Client Sample ID: HA10 2'

Date Collected: 10/28/25 12:45
Date Received: 10/29/25 06:35

Lab Sample ID: 885-36408-10

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020		mg/Kg		10/31/25 08:53	10/31/25 19:18	1
Toluene	ND		0.0020		mg/Kg		10/31/25 08:53	10/31/25 19:18	1
Ethylbenzene	ND		0.0020		mg/Kg		10/31/25 08:53	10/31/25 19:18	1
Xylenes, Total	ND		0.0040		mg/Kg		10/31/25 08:53	10/31/25 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*10/31/25 08:53*	*10/31/25 19:18*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*10/31/25 08:53*	*10/31/25 19:18*	*1*

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50		mg/Kg		10/30/25 12:09	10/31/25 07:25	1
Diesel Range Organics (Over C10-C28)	ND		50		mg/Kg		10/30/25 12:09	10/31/25 07:25	1
Oil Range Organics (Over C28-C36)	ND		50		mg/Kg		10/30/25 12:09	10/31/25 07:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*10/30/25 12:09*	*10/31/25 07:25*	*1*
o-Terphenyl	*89*		*70 - 130*	*10/30/25 12:09*	*10/31/25 07:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**56**		9.9		mg/Kg			10/31/25 18:21	1

QC Sample Results

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-36408-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-122524/5-A
Matrix: Solid
Analysis Batch: 122520

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 122524

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020		mg/Kg		10/31/25 08:53	10/31/25 11:48	1
Toluene	ND		0.0020		mg/Kg		10/31/25 08:53	10/31/25 11:48	1
Ethylbenzene	ND		0.0020		mg/Kg		10/31/25 08:53	10/31/25 11:48	1
Xylenes, Total	ND		0.0040		mg/Kg		10/31/25 08:53	10/31/25 11:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*10/31/25 08:53*	*10/31/25 11:48*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*10/31/25 08:53*	*10/31/25 11:48*	*1*

Lab Sample ID: LCS 880-122524/1-A
Matrix: Solid
Analysis Batch: 122520

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 122524

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.0951		mg/Kg		95	70 - 130		
Toluene			0.100	0.0877		mg/Kg		88	70 - 130		
Ethylbenzene			0.100	0.0939		mg/Kg		94	70 - 130		
Xylenes, Total			0.300	0.286		mg/Kg		95	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-122524/2-A
Matrix: Solid
Analysis Batch: 122520

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 122524

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.0912		mg/Kg		91	70 - 130	4	35
Toluene			0.100	0.0846		mg/Kg		85	70 - 130	4	35
Ethylbenzene			0.100	0.0908		mg/Kg		91	70 - 130	3	35
Xylenes, Total			0.300	0.278		mg/Kg		93	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: MB 880-122526/5-A
Matrix: Solid
Analysis Batch: 122521

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 122526

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020		mg/Kg		10/31/25 08:55	10/31/25 18:02	1
Toluene	ND		0.0020		mg/Kg		10/31/25 08:55	10/31/25 18:02	1
Ethylbenzene	ND		0.0020		mg/Kg		10/31/25 08:55	10/31/25 18:02	1
Xylenes, Total	ND		0.0040		mg/Kg		10/31/25 08:55	10/31/25 18:02	1

QC Sample Results

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-36408-1

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

Lab Sample ID: MB 880-122526/5-A
Matrix: Solid
Analysis Batch: 122521

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 122526

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	194	S1+	70 - 130	10/31/25 08:55	10/31/25 18:02	1
1,4-Difluorobenzene (Surr)	107		70 - 130	10/31/25 08:55	10/31/25 18:02	1

Lab Sample ID: LCS 880-122526/1-A
Matrix: Solid
Analysis Batch: 122521

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 122526

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.0933		mg/Kg		93	70 - 130		
Toluene			0.100	0.0948		mg/Kg		95	70 - 130		
Ethylbenzene			0.100	0.0898		mg/Kg		90	70 - 130		
Xylenes, Total			0.300	0.281		mg/Kg		94	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: LCSD 880-122526/2-A
Matrix: Solid
Analysis Batch: 122521

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 122526

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.111		mg/Kg		111	70 - 130	17	35
Toluene			0.100	0.0929		mg/Kg		93	70 - 130	2	35
Ethylbenzene			0.100	0.100		mg/Kg		100	70 - 130	11	35
Xylenes, Total			0.300	0.307		mg/Kg		102	70 - 130	9	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-122464/1-A
Matrix: Solid
Analysis Batch: 122399

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 122464

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50		mg/Kg		10/30/25 12:08	10/31/25 01:08	1
Diesel Range Organics (Over C10-C28)	ND		50		mg/Kg		10/30/25 12:08	10/31/25 01:08	1
Oil Range Organics (Over C28-C36)	ND		50		mg/Kg		10/30/25 12:08	10/31/25 01:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130	10/30/25 12:08	10/31/25 01:08	1
o-Terphenyl	74		70 - 130	10/30/25 12:08	10/31/25 01:08	1

QC Sample Results

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-36408-1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-122464/2-A
Matrix: Solid
Analysis Batch: 122399

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 122464

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1270		mg/Kg		127	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1170		mg/Kg		117	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*76*		*70 - 130*
o-Terphenyl	*90*		*70 - 130*

Lab Sample ID: LCSD 880-122464/3-A
Matrix: Solid
Analysis Batch: 122399

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 122464

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1270		mg/Kg		127	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	1170		mg/Kg		117	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*75*		*70 - 130*
o-Terphenyl	*89*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-122356/1-A
Matrix: Solid
Analysis Batch: 122474

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		10		mg/Kg			10/30/25 21:59	1

Lab Sample ID: LCS 880-122356/2-A
Matrix: Solid
Analysis Batch: 122474

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	238		mg/Kg		95	90 - 110		

Lab Sample ID: LCSD 880-122356/3-A
Matrix: Solid
Analysis Batch: 122474

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	242		mg/Kg		97	90 - 110	2	20

QC Sample Results

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-36408-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-122537/1-A
Matrix: Solid
Analysis Batch: 122560

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		10		mg/Kg			10/31/25 17:34	1

Lab Sample ID: LCS 880-122537/2-A
Matrix: Solid
Analysis Batch: 122560

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	247		mg/Kg		99	90 - 110		

Lab Sample ID: LCSD 880-122537/3-A
Matrix: Solid
Analysis Batch: 122560

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	249		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 885-36408-7 MS
Matrix: Solid
Analysis Batch: 122560

Client Sample ID: HA09 6"
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	85		252	331		mg/Kg		98	90 - 110		

Lab Sample ID: 885-36408-7 MSD
Matrix: Solid
Analysis Batch: 122560

Client Sample ID: HA09 6"
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	85		252	330		mg/Kg		98	90 - 110	0	20

QC Association Summary

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-36408-1

GC VOA

Analysis Batch: 122520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-36408-1	HA06 6"	Total/NA	Solid	8021B	122524
885-36408-2	HA06 2'	Total/NA	Solid	8021B	122524
885-36408-3	HA07 6"	Total/NA	Solid	8021B	122524
885-36408-4	HA07 2'	Total/NA	Solid	8021B	122524
885-36408-8	HA09 2'	Total/NA	Solid	8021B	122524
885-36408-9	HA10 6"	Total/NA	Solid	8021B	122524
885-36408-10	HA10 2'	Total/NA	Solid	8021B	122524
MB 880-122524/5-A	Method Blank	Total/NA	Solid	8021B	122524
LCS 880-122524/1-A	Lab Control Sample	Total/NA	Solid	8021B	122524
LCSD 880-122524/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	122524

Analysis Batch: 122521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-36408-5	HA08 6"	Total/NA	Solid	8021B	122526
885-36408-6	HA08 2'	Total/NA	Solid	8021B	122526
885-36408-7	HA09 6"	Total/NA	Solid	8021B	122526
MB 880-122526/5-A	Method Blank	Total/NA	Solid	8021B	122526
LCS 880-122526/1-A	Lab Control Sample	Total/NA	Solid	8021B	122526
LCSD 880-122526/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	122526

Prep Batch: 122524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-36408-1	HA06 6"	Total/NA	Solid	5030B	
885-36408-2	HA06 2'	Total/NA	Solid	5030B	
885-36408-3	HA07 6"	Total/NA	Solid	5030B	
885-36408-4	HA07 2'	Total/NA	Solid	5030B	
885-36408-8	HA09 2'	Total/NA	Solid	5030B	
885-36408-9	HA10 6"	Total/NA	Solid	5030B	
885-36408-10	HA10 2'	Total/NA	Solid	5030B	
MB 880-122524/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-122524/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-122524/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Prep Batch: 122526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-36408-5	HA08 6"	Total/NA	Solid	5030B	
885-36408-6	HA08 2'	Total/NA	Solid	5030B	
885-36408-7	HA09 6"	Total/NA	Solid	5030B	
MB 880-122526/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-122526/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-122526/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

GC Semi VOA

Analysis Batch: 122399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-36408-1	HA06 6"	Total/NA	Solid	8015B NM	122464
885-36408-2	HA06 2'	Total/NA	Solid	8015B NM	122464
885-36408-3	HA07 6"	Total/NA	Solid	8015B NM	122464
885-36408-4	HA07 2'	Total/NA	Solid	8015B NM	122464
885-36408-5	HA08 6"	Total/NA	Solid	8015B NM	122464

QC Association Summary

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-36408-1

GC Semi VOA (Continued)

Analysis Batch: 122399 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-36408-6	HA08 2'	Total/NA	Solid	8015B NM	122464
885-36408-7	HA09 6"	Total/NA	Solid	8015B NM	122464
885-36408-8	HA09 2'	Total/NA	Solid	8015B NM	122464
885-36408-9	HA10 6"	Total/NA	Solid	8015B NM	122464
885-36408-10	HA10 2'	Total/NA	Solid	8015B NM	122464
MB 880-122464/1-A	Method Blank	Total/NA	Solid	8015B NM	122464
LCS 880-122464/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	122464
LCSD 880-122464/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	122464

Prep Batch: 122464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-36408-1	HA06 6"	Total/NA	Solid	8015NM Prep	
885-36408-2	HA06 2'	Total/NA	Solid	8015NM Prep	
885-36408-3	HA07 6"	Total/NA	Solid	8015NM Prep	
885-36408-4	HA07 2'	Total/NA	Solid	8015NM Prep	
885-36408-5	HA08 6"	Total/NA	Solid	8015NM Prep	
885-36408-6	HA08 2'	Total/NA	Solid	8015NM Prep	
885-36408-7	HA09 6"	Total/NA	Solid	8015NM Prep	
885-36408-8	HA09 2'	Total/NA	Solid	8015NM Prep	
885-36408-9	HA10 6"	Total/NA	Solid	8015NM Prep	
885-36408-10	HA10 2'	Total/NA	Solid	8015NM Prep	
MB 880-122464/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-122464/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-122464/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 122356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-36408-1	HA06 6"	Soluble	Solid	DI Leach	
885-36408-2	HA06 2'	Soluble	Solid	DI Leach	
885-36408-3	HA07 6"	Soluble	Solid	DI Leach	
885-36408-4	HA07 2'	Soluble	Solid	DI Leach	
885-36408-5	HA08 6"	Soluble	Solid	DI Leach	
885-36408-6	HA08 2'	Soluble	Solid	DI Leach	
MB 880-122356/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-122356/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-122356/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 122474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-36408-1	HA06 6"	Soluble	Solid	300.0	122356
885-36408-2	HA06 2'	Soluble	Solid	300.0	122356
885-36408-3	HA07 6"	Soluble	Solid	300.0	122356
885-36408-4	HA07 2'	Soluble	Solid	300.0	122356
885-36408-5	HA08 6"	Soluble	Solid	300.0	122356
885-36408-6	HA08 2'	Soluble	Solid	300.0	122356
MB 880-122356/1-A	Method Blank	Soluble	Solid	300.0	122356
LCS 880-122356/2-A	Lab Control Sample	Soluble	Solid	300.0	122356
LCSD 880-122356/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	122356

QC Association Summary

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-36408-1

HPLC/IC

Leach Batch: 122537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-36408-7	HA09 6"	Soluble	Solid	DI Leach	
885-36408-8	HA09 2'	Soluble	Solid	DI Leach	
885-36408-9	HA10 6"	Soluble	Solid	DI Leach	
885-36408-10	HA10 2'	Soluble	Solid	DI Leach	
MB 880-122537/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-122537/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-122537/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
885-36408-7 MS	HA09 6"	Soluble	Solid	DI Leach	
885-36408-7 MSD	HA09 6"	Soluble	Solid	DI Leach	

Analysis Batch: 122560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-36408-7	HA09 6"	Soluble	Solid	300.0	122537
885-36408-8	HA09 2'	Soluble	Solid	300.0	122537
885-36408-9	HA10 6"	Soluble	Solid	300.0	122537
885-36408-10	HA10 2'	Soluble	Solid	300.0	122537
MB 880-122537/1-A	Method Blank	Soluble	Solid	300.0	122537
LCS 880-122537/2-A	Lab Control Sample	Soluble	Solid	300.0	122537
LCSD 880-122537/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	122537
885-36408-7 MS	HA09 6"	Soluble	Solid	300.0	122537
885-36408-7 MSD	HA09 6"	Soluble	Solid	300.0	122537

Lab Chronicle

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-36408-1

Client Sample ID: HA06 6"
Lab Sample ID: 885-36408-1
Date Collected: 10/28/25 11:45
Matrix: Solid
Date Received: 10/29/25 06:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030B			122524	AA	EET MID	10/31/25 08:53
Total/NA	Analysis	8021B		1	122520	EL	EET MID	10/31/25 14:53
Total/NA	Prep	8015NM Prep			122464	EL	EET MID	10/30/25 12:09
Total/NA	Analysis	8015B NM		1	122399	FC	EET MID	10/31/25 05:09
Soluble	Leach	DI Leach			122356	SA	EET MID	10/29/25 13:25
Soluble	Analysis	300.0		1	122474	CS	EET MID	10/31/25 00:10

Client Sample ID: HA06 2'
Lab Sample ID: 885-36408-2
Date Collected: 10/28/25 11:58
Matrix: Solid
Date Received: 10/29/25 06:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030B			122524	AA	EET MID	10/31/25 08:53
Total/NA	Analysis	8021B		1	122520	EL	EET MID	10/31/25 15:14
Total/NA	Prep	8015NM Prep			122464	EL	EET MID	10/30/25 12:09
Total/NA	Analysis	8015B NM		1	122399	FC	EET MID	10/31/25 05:24
Soluble	Leach	DI Leach			122356	SA	EET MID	10/29/25 13:25
Soluble	Analysis	300.0		1	122474	CS	EET MID	10/31/25 00:15

Client Sample ID: HA07 6"
Lab Sample ID: 885-36408-3
Date Collected: 10/28/25 11:50
Matrix: Solid
Date Received: 10/29/25 06:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030B			122524	AA	EET MID	10/31/25 08:53
Total/NA	Analysis	8021B		1	122520	EL	EET MID	10/31/25 16:46
Total/NA	Prep	8015NM Prep			122464	EL	EET MID	10/30/25 12:09
Total/NA	Analysis	8015B NM		1	122399	FC	EET MID	10/31/25 05:39
Soluble	Leach	DI Leach			122356	SA	EET MID	10/29/25 13:25
Soluble	Analysis	300.0		1	122474	CS	EET MID	10/31/25 00:20

Client Sample ID: HA07 2'
Lab Sample ID: 885-36408-4
Date Collected: 10/28/25 11:55
Matrix: Solid
Date Received: 10/29/25 06:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030B			122524	AA	EET MID	10/31/25 08:53
Total/NA	Analysis	8021B		1	122520	EL	EET MID	10/31/25 17:07
Total/NA	Prep	8015NM Prep			122464	EL	EET MID	10/30/25 12:09
Total/NA	Analysis	8015B NM		1	122399	FC	EET MID	10/31/25 05:54
Soluble	Leach	DI Leach			122356	SA	EET MID	10/29/25 13:25
Soluble	Analysis	300.0		1	122474	CS	EET MID	10/31/25 00:25

Lab Chronicle

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-36408-1

Client Sample ID: HA08 6"
Lab Sample ID: 885-36408-5
Date Collected: 10/28/25 12:00
Matrix: Solid
Date Received: 10/29/25 06:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030B			122526	AA	EET MID	10/31/25 08:55
Total/NA	Analysis	8021B		1	122521	MNR	EET MID	10/31/25 19:32
Total/NA	Prep	8015NM Prep			122464	EL	EET MID	10/30/25 12:09
Total/NA	Analysis	8015B NM		1	122399	FC	EET MID	10/31/25 06:09
Soluble	Leach	DI Leach			122356	SA	EET MID	10/29/25 13:25
Soluble	Analysis	300.0		1	122474	CS	EET MID	10/31/25 00:31

Client Sample ID: HA08 2'
Lab Sample ID: 885-36408-6
Date Collected: 10/28/25 12:15
Matrix: Solid
Date Received: 10/29/25 06:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030B			122526	AA	EET MID	10/31/25 08:55
Total/NA	Analysis	8021B		1	122521	MNR	EET MID	10/31/25 19:53
Total/NA	Prep	8015NM Prep			122464	EL	EET MID	10/30/25 12:09
Total/NA	Analysis	8015B NM		1	122399	FC	EET MID	10/31/25 06:24
Soluble	Leach	DI Leach			122356	SA	EET MID	10/29/25 13:25
Soluble	Analysis	300.0		1	122474	CS	EET MID	10/31/25 09:13

Client Sample ID: HA09 6"
Lab Sample ID: 885-36408-7
Date Collected: 10/28/25 11:50
Matrix: Solid
Date Received: 10/29/25 06:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030B			122526	AA	EET MID	10/31/25 08:55
Total/NA	Analysis	8021B		1	122521	MNR	EET MID	10/31/25 20:13
Total/NA	Prep	8015NM Prep			122464	EL	EET MID	10/30/25 12:09
Total/NA	Analysis	8015B NM		1	122399	FC	EET MID	10/31/25 06:39
Soluble	Leach	DI Leach			122537	SA	EET MID	10/31/25 09:34
Soluble	Analysis	300.0		1	122560	SMC	EET MID	10/31/25 17:52

Client Sample ID: HA09 2'
Lab Sample ID: 885-36408-8
Date Collected: 10/28/25 11:55
Matrix: Solid
Date Received: 10/29/25 06:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030B			122524	AA	EET MID	10/31/25 08:53
Total/NA	Analysis	8021B		1	122520	EL	EET MID	10/31/25 18:37
Total/NA	Prep	8015NM Prep			122464	EL	EET MID	10/30/25 12:09
Total/NA	Analysis	8015B NM		1	122399	FC	EET MID	10/31/25 06:54
Soluble	Leach	DI Leach			122537	SA	EET MID	10/31/25 09:34
Soluble	Analysis	300.0		1	122560	SMC	EET MID	10/31/25 18:09

Lab Chronicle

Client: Hilcorp Energy
Project/Site: Allison #112

Job ID: 885-36408-1

Client Sample ID: HA10 6"

Lab Sample ID: 885-36408-9

Date Collected: 10/28/25 12:30
Matrix: Solid
Date Received: 10/29/25 06:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030B			122524	AA	EET MID	10/31/25 08:53
Total/NA	Analysis	8021B		1	122520	EL	EET MID	10/31/25 18:58
Total/NA	Prep	8015NM Prep			122464	EL	EET MID	10/30/25 12:09
Total/NA	Analysis	8015B NM		1	122399	FC	EET MID	10/31/25 07:10
Soluble	Leach	DI Leach			122537	SA	EET MID	10/31/25 09:34
Soluble	Analysis	300.0		1	122560	SMC	EET MID	10/31/25 18:15

Client Sample ID: HA10 2'

Lab Sample ID: 885-36408-10

Date Collected: 10/28/25 12:45
Matrix: Solid
Date Received: 10/29/25 06:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030B			122524	AA	EET MID	10/31/25 08:53
Total/NA	Analysis	8021B		1	122520	EL	EET MID	10/31/25 19:18
Total/NA	Prep	8015NM Prep			122464	EL	EET MID	10/30/25 12:09
Total/NA	Analysis	8015B NM		1	122399	FC	EET MID	10/31/25 07:25
Soluble	Leach	DI Leach			122537	SA	EET MID	10/31/25 09:34
Soluble	Analysis	300.0		1	122560	SMC	EET MID	10/31/25 18:21

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Hilcorp Energy
Job ID: 885-36408-1
Project/Site: Allison #112

Laboratory: Eurofins Midland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

Chain-of-Custody Record

Client: Hilcorp
Attn: Kate Kaufman
Mailing Address:

Phone #:
email or Fax#: kkaufman@hilcorp.com
QA/QC Package
☐ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
5 DAY TAT
☒ Standard ☐ Rush
Project Name:
Project #:
Allison #112
Project Manager:
Stuart Hyde
Sampler: Aaron Lowenen/Ac
On Ice: ☒ Yes ☐ No
# of Coolers: 1 Joe
Cooler Temp(including CF): 1.7+0.2=1.9 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORA
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107
885-36408 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)
10/28	1145	SOIL	HA06 6"	4oz jar			X	X					X			
	~~1145~~ 1158		HA06 ~~2~~ 2'				X	X					X			
	1150		HA07 6"				X	X					X			
	1155		HA07 2'				X	X					X			
	1200		HA08 6"				X	X					X			
	1215		HA08 2'				X	X					X			
	1150		HA09 6"				X	X					X			
	1155		HA09 2'				X	X					X			
	1230		HA10 6"				X	X					X			
	1245		HA10 2'				X	X					X			

Date	Time	Relinquished by	Received by	Via	Date	Time
10/28/25	1636				10/28/25	1638
10/28/25	1730			Courier	10/29/25	6:35

Remarks:

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.

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Garcia, Michelle	Carrier Tracking No(s): N/A	COC No: 885-7174.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: michelle.garcia@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Oregon; State - New Mexico		Job #: 885-36408-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 11/4/2025			
City: Midland	TAT Requested (days): N/A			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Allison #12	Project #: 88500415			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/5030B_HBTEX	8015MOD_NM/8015NM_S_PrepFull TPH	300_ORGFM_28D/DI_LEACHChloride	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
HA06 6" (885-36408-1)	10/28/25	11:45 Mountain	G	Solid			X	X	X	1	
HA06 2' (885-36408-2)	10/28/25	11:58 Mountain	G	Solid			X	X	X	1	
HA07 6" (885-36408-3)	10/28/25	11:50 Mountain	G	Solid			X	X	X	1	
HA07 2' (885-36408-4)	10/28/25	11:55 Mountain	G	Solid			X	X	X	1	
HA08 6" (885-36408-5)	10/28/25	12:00 Mountain	G	Solid			X	X	X	1	
HA08 2' (885-36408-6)	10/28/25	12:15 Mountain	G	Solid			X	X	X	1	
HA09 6" (885-36408-7)	10/28/25	11:50 Mountain	G	Solid			X	X	X	1	
HA09 2' (885-36408-8)	10/28/25	11:55 Mountain	G	Solid			X	X	X	1	
HA10 6" (885-36408-9)	10/28/25	12:30 Mountain	G	Solid			X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: Fed Ex Teddy Randall Le	Date/Time: 10/30/25 10:40	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.1/2.0 °C IR-8 (0.1)

Ver: 10/10/2024

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Garcia, Michelle	Carrier Tracking No(s): N/A	COC No: 885-7174.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: michelle.garcia@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 2 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Oregon; State - New Mexico		Job #: 885-36408-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 11/4/2025			Preservation Codes: -
City: Midland	TAT Requested (days): N/A			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Allison #12	Project #: 88500415			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/5030B_HBTEX	8015MOD_NM/8015NM_S_PrepFull TPH	300_ORGFM_28D/DI_LEACHChloride	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
HA10 2' (885-36408-10)	10/28/25	12:45 Mountain	G	Solid			X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by: Fed Ex	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: Teddy Randell Lee	Date/Time: 10/30/25 11:40	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.1/2.0°C IR-8 (-0.1)

Ver: 10/10/2024

ICOC No:
885-7174

Containers

Count	Container Type	Preservative
10	Soil jar 4oz - clear glass	None

Login Sample Receipt Checklist

Client: Hilcorp Energy Job Number: 885-36408-1

Login Number: 36408 **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.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

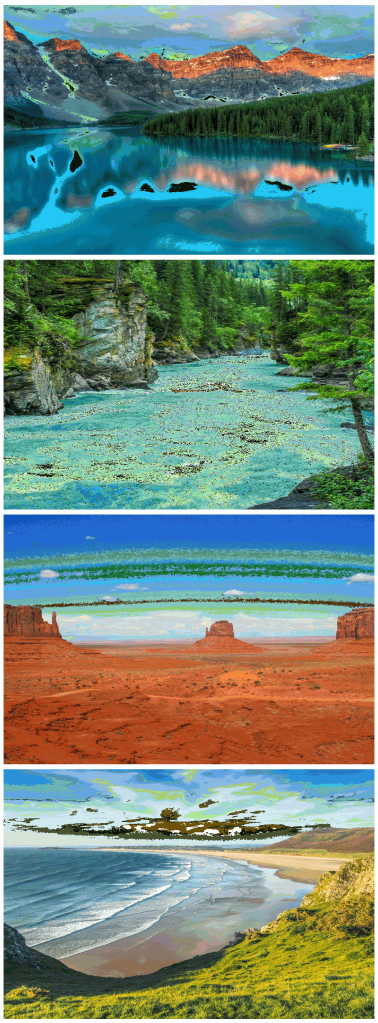
Client: Hilcorp Energy Job Number: 885-36408-1

Login Number: 36408 **List Source: Eurofins Midland**
List Number: 2 **List Creation: 10/30/25 12:09 PM**
Creator: Lee, Randall

Question	Answer	Comment
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").	N/A	

Report to:

Kate Kaufman



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:	Allison #112
Work Order:	E511175
Job Number:	17051-0002
Received:	11/13/2025

Revision: 0

Report Reviewed By:

Draft

Walter Hinchman
Laboratory Director
11/14/25

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

Date Reported: 11/14/25

Kate Kaufman
PO Box 61529
Houston, TX 77208

Project Name: Allison #112
Workorder: E511175
Date Received: 11/13/2025 9:30:00AM

Kate Kaufman,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/13/2025 9:30:00AM, under the Project Name: Allison #112.

The analytical test results summarized in this report with the Project Name: Allison #112 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
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Hilcorp Energy Co	Project Name:	Allison #112	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Kate Kaufman	11/14/25 15:30

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01 1'	E511175-01A	Soil	11/12/25	11/13/25	Glass Jar, 2 oz.
FS02 1'	E511175-02A	Soil	11/12/25	11/13/25	Glass Jar, 2 oz.
FS03 1'	E511175-03A	Soil	11/12/25	11/13/25	Glass Jar, 2 oz.

Sample Data

Hilcorp Energy Co	Project Name:	Allison #112	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Kate Kaufman	11/14/2025 3:30:47PM

FS01 1'

E511175-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2546126
Benzene	ND	0.0250	1	11/13/25	11/13/25	
Ethylbenzene	ND	0.0250	1	11/13/25	11/13/25	
Toluene	ND	0.0250	1	11/13/25	11/13/25	
o-Xylene	ND	0.0250	1	11/13/25	11/13/25	
p,m-Xylene	ND	0.0500	1	11/13/25	11/13/25	
Total Xylenes	ND	0.0250	1	11/13/25	11/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.4 %*	*70-130*	*11/13/25*	*11/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2546126
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/25	11/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.8 %*	*70-130*	*11/13/25*	*11/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2546138
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/25	11/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/25	11/14/25	
Surrogate: n-Nonane		*97.7 %*	*61-141*	*11/14/25*	*11/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2546131
Chloride	ND	20.0	1	11/13/25	11/14/25	

Sample Data

Hilcorp Energy Co	Project Name:	Allison #112	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Kate Kaufman	11/14/2025 3:30:47PM

FS02 1'

E511175-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2546126
Benzene	ND	0.0250	1	11/13/25	11/13/25	
Ethylbenzene	ND	0.0250	1	11/13/25	11/13/25	
Toluene	ND	0.0250	1	11/13/25	11/13/25	
o-Xylene	ND	0.0250	1	11/13/25	11/13/25	
p,m-Xylene	ND	0.0500	1	11/13/25	11/13/25	
Total Xylenes	ND	0.0250	1	11/13/25	11/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.5 %*	*70-130*	*11/13/25*	*11/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2546126
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/25	11/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.6 %*	*70-130*	*11/13/25*	*11/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2546138
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/25	11/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/25	11/14/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*11/14/25*	*11/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2546131
Chloride	ND	20.0	1	11/13/25	11/14/25	

Sample Data

Hilcorp Energy Co	Project Name:	Allison #112	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Kate Kaufman	11/14/2025 3:30:47PM

FS03 1'

E511175-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2546126
Benzene	ND	0.0250	1	11/13/25	11/13/25	
Ethylbenzene	ND	0.0250	1	11/13/25	11/13/25	
Toluene	ND	0.0250	1	11/13/25	11/13/25	
o-Xylene	ND	0.0250	1	11/13/25	11/13/25	
p,m-Xylene	ND	0.0500	1	11/13/25	11/13/25	
Total Xylenes	ND	0.0250	1	11/13/25	11/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.5 %*	*70-130*	*11/13/25*	*11/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2546126
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/25	11/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.4 %*	*70-130*	*11/13/25*	*11/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2546138
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/25	11/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/25	11/14/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*11/14/25*	*11/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2546131
Chloride	ND	20.0	1	11/13/25	11/14/25	

QC Summary Data

Hilcorp Energy Co	Project Name:	Allison #112	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Kate Kaufman	11/14/2025 3:30:47PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2546126-BLK1)									Prepared: 11/13/25 Analyzed: 11/14/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.60*		*8.00*		*95.0*	*70-130*			
LCS (2546126-BS1)									Prepared: 11/13/25 Analyzed: 11/14/25
Benzene	4.73	0.0250	5.00		94.5	70-130			
Ethylbenzene	4.47	0.0250	5.00		89.4	70-130			
Toluene	4.63	0.0250	5.00		92.7	70-130			
o-Xylene	4.59	0.0250	5.00		91.8	70-130			
p,m-Xylene	9.09	0.0500	10.0		90.9	70-130			
Total Xylenes	13.7	0.0250	15.0		91.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.63*		*8.00*		*95.4*	*70-130*			
Matrix Spike (2546126-MS1)				**Source: E511170-03**					Prepared: 11/13/25 Analyzed: 11/14/25
Benzene	4.78	0.0250	5.00	ND	95.6	70-130			
Ethylbenzene	4.50	0.0250	5.00	ND	90.0	70-130			
Toluene	4.67	0.0250	5.00	ND	93.4	70-130			
o-Xylene	4.61	0.0250	5.00	ND	92.3	70-130			
p,m-Xylene	9.14	0.0500	10.0	ND	91.4	70-130			
Total Xylenes	13.8	0.0250	15.0	ND	91.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.46*		*8.00*		*93.3*	*70-130*			
Matrix Spike Dup (2546126-MSD1)				**Source: E511170-03**					Prepared: 11/13/25 Analyzed: 11/14/25
Benzene	4.94	0.0250	5.00	ND	98.9	70-130	3.35	27	
Ethylbenzene	4.64	0.0250	5.00	ND	92.9	70-130	3.18	26	
Toluene	4.83	0.0250	5.00	ND	96.5	70-130	3.27	20	
o-Xylene	4.77	0.0250	5.00	ND	95.4	70-130	3.31	25	
p,m-Xylene	9.43	0.0500	10.0	ND	94.3	70-130	3.10	23	
Total Xylenes	14.2	0.0250	15.0	ND	94.7	70-130	3.17	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.59*		*8.00*		*94.9*	*70-130*			

QC Summary Data

Hilcorp Energy Co	Project Name:	Allison #112	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Kate Kaufman	11/14/2025 3:30:47PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2546126-BLK1)									Prepared: 11/13/25 Analyzed: 11/14/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.17*		*8.00*		*89.6*	*70-130*			
LCS (2546126-BS2)									Prepared: 11/13/25 Analyzed: 11/14/25
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0		93.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.38*		*8.00*		*92.2*	*70-130*			
Matrix Spike (2546126-MS2)				**Source: E511170-03**					Prepared: 11/13/25 Analyzed: 11/14/25
Gasoline Range Organics (C6-C10)	43.2	20.0	50.0	ND	86.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.26*		*8.00*		*90.7*	*70-130*			
Matrix Spike Dup (2546126-MSD2)				**Source: E511170-03**					Prepared: 11/13/25 Analyzed: 11/14/25
Gasoline Range Organics (C6-C10)	44.3	20.0	50.0	ND	88.6	70-130	2.46	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.52*		*8.00*		*93.9*	*70-130*			

QC Summary Data

Hilcorp Energy Co	Project Name:	Allison #112	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Kate Kaufman	11/14/2025 3:30:47PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2546138-BLK1)									Prepared: 11/14/25 Analyzed: 11/14/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.3*		*50.0*		*94.6*	*61-141*			
LCS (2546138-BS1)									Prepared: 11/14/25 Analyzed: 11/14/25
Diesel Range Organics (C10-C28)	242	25.0	250		96.9	66-144			
Surrogate: n-Nonane	*48.5*		*50.0*		*97.1*	*61-141*			
Matrix Spike (2546138-MS1)				**Source: E511178-02**					Prepared: 11/14/25 Analyzed: 11/14/25
Diesel Range Organics (C10-C28)	240	25.0	250	ND	96.0	56-156			
Surrogate: n-Nonane	*48.0*		*50.0*		*95.9*	*61-141*			
Matrix Spike Dup (2546138-MSD1)				**Source: E511178-02**					Prepared: 11/14/25 Analyzed: 11/14/25
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.7	56-156	3.87	20	
Surrogate: n-Nonane	*48.7*		*50.0*		*97.4*	*61-141*			

QC Summary Data

Hilcorp Energy Co	Project Name:	Allison #112	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Kate Kaufman	11/14/2025 3:30:47PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2546131-BLK1)									Prepared: 11/13/25 Analyzed: 11/13/25
Chloride	ND	20.0							
LCS (2546131-BS1)									Prepared: 11/13/25 Analyzed: 11/13/25
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2546131-MS1)				**Source: E511163-03**					Prepared: 11/13/25 Analyzed: 11/13/25
Chloride	2670	40.0	250	2440	92.8	80-120			
Matrix Spike Dup (2546131-MSD1)				**Source: E511163-03**					Prepared: 11/13/25 Analyzed: 11/13/25
Chloride	2820	40.0	250	2440	151	80-120	5.31	20	M4

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:	Allison #112	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Kate Kaufman	11/14/25 15:30

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Hilcorp Energy Company	Company: Kate Kaufman	Lab WO# E511175	Job Number 1705[illegible]0002	1D 2D 3D Std: X	NM CO UT TX: X
Project Name: Allison #112	Address: 1111 Travis St, Houston, TX			
Project Manager: Kate Kaufman	City, State, Zip:			
Address: 1111 Travis St, Houston, TX	Phone:			
City, State, Zip:	Email: kkaufman@hilcorp.com			
Phone:	Miscellaneous:			
Email: kkaufman@hilcorp.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX	Sample Temp	Remarks
1409	11/12/2025	So:1	1	FS01 1'		1									X		3.2	
1405	↓	↓	↓	FS02 1'		2									X		3.0	
1403	↓	↓	↓	FS03 1'		3									X		3.4	

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

11/12/2025

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: Azad Vojdani

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11/13/2025	9:30	Caitlin Mars	11.13.25	9:30
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only
Received on ice: (Y) N

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

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

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

Envirotech Analytical Laboratory

Printed: 11/13/2025 9:50:49AM

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:	11/13/25 09:30	Work Order ID:	E511175
Phone:	505-599-3400	Date Logged In:	11/13/25 09:49	Logged In By:	Caitlin Mars
Email:	kkaufman@hilcorp.com	Due Date:	11/14/25 17:00 (1 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

75 Suttle Street
Durango, CO 81303
970.247.4220 Phone
jeremy.allen@greenanalytical.com

31 December 2025

Kate Kaufman
Hilcorp
382 CR 3100
Aztec, NM 87410

RE: Allison #112

Enclosed are the results of analyses for samples received by the laboratory on 12/17/25 13:50. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

Jeremy D Allen
Laboratory Director

All accredited analytes contained in this report are denoted by an asterisk (*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at http://greenanalytical.com/certifications/

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: TX-C25-00079

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: TX-C25-00101

Table of Contents

Hilcorp	Project: NM Oil and Gas Tests (Ensolum)	
382 CR 3100	Project Name / Number: Allison #112	**Reported:**
Aztec NM, 87410	Project Manager: Kate Kaufman	12/31/25 07:58

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
FS03	2512238-01	Solid	12/17/25 10:00	12/17/25 13:50	
FS02	2512238-02	Solid	12/17/25 10:40	12/17/25 13:50	
FS01	2512238-03	Solid	12/17/25 11:10	12/17/25 13:50	
FS04	2512238-04	Solid	12/17/25 11:40	12/17/25 13:50	
HA10 @ 0.5'	2512238-05	Solid	12/17/25 12:00	12/17/25 13:50	
HA10 @ 2'	2512238-06	Solid	12/17/25 12:20	12/17/25 13:50	

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

Hilcorp	Project: NM Oil and Gas Tests (Ensolum)	
382 CR 3100	Project Name / Number: Allison #112	**Reported:**
Aztec NM, 87410	Project Manager: Kate Kaufman	12/31/25 07:58

FS03

2512238-01 (Soil)
Sampled Date: 12/17/25 10:00
Sampled By:

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	**85.6**			%	1	12/26/25 11:57	EPA 160.3/1684	H1	SCE
Soluble (DI Water Extraction)									
Chloride*	<11.7	11.7	5.80	mg/kg dry	10	12/24/25 06:46	EPA 300.0		AWG

Subcontracted -- **Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

Volatile Organic Compounds by EPA Method 8021									
Benzene*	<0.050	0.050	0.011	mg/kg	50	12/20/25 05:40	8021B		JH
Ethylbenzene*	<0.050	0.050	0.011	mg/kg	50	12/20/25 05:40	8021B		JH
Toluene*	<0.050	0.050	0.009	mg/kg	50	12/20/25 05:40	8021B		JH
Total BTEX	<0.300	0.300	0.062	mg/kg	50	12/20/25 05:40	8021B		JH
Total Xylenes*	<0.150	0.150	0.032	mg/kg	50	12/20/25 05:40	8021B		JH
Surrogate: 4-Bromofluorobenzene (PID)			*114 %*	*70.4-141*		*12/20/25 05:40*	*8021B*		JH
Petroleum Hydrocarbons by GC FID									
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	12/19/25 17:36	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	12/19/25 17:36	8015B		MS
GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	12/19/25 17:36	8015B		MS
Surrogate: 1-Chlorooctadecane			*105 %*	*39.9-141*		*12/19/25 17:36*	*8015B*		MS
Surrogate: 1-Chlorooctane			*108 %*	*52.4-130*		*12/19/25 17:36*	*8015B*		MS

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

Hilcorp	Project: NM Oil and Gas Tests (Ensolum)	
382 CR 3100	Project Name / Number: Allison #112	**Reported:**
Aztec NM, 87410	Project Manager: Kate Kaufman	12/31/25 07:58

FS02

2512238-02 (Soil)
Sampled Date: 12/17/25 10:40
Sampled By: Michael Pollock

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	**82.7**			%	1	12/26/25 11:57	EPA 160.3/1684	H1	SCE
Soluble (DI Water Extraction)									
Chloride*	<12.1	12.1	6.01	mg/kg dry	10	12/24/25 07:59	EPA 300.0		AWG

Subcontracted -- **Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

Volatile Organic Compounds by EPA Method 8021									
Benzene*	<0.050	0.050	0.011	mg/kg	50	12/20/25 05:51	8021B		JH
Ethylbenzene*	<0.050	0.050	0.011	mg/kg	50	12/20/25 05:51	8021B		JH
Toluene*	<0.050	0.050	0.009	mg/kg	50	12/20/25 05:51	8021B		JH
Total BTEX	<0.300	0.300	0.062	mg/kg	50	12/20/25 05:51	8021B		JH
Total Xylenes*	<0.150	0.150	0.032	mg/kg	50	12/20/25 05:51	8021B		JH
Surrogate: 4-Bromofluorobenzene (PID)			*114 %*	*70.4-141*		*12/20/25 05:51*	*8021B*		JH
Petroleum Hydrocarbons by GC FID									
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	12/19/25 17:59	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	12/19/25 17:59	8015B		MS
GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	12/19/25 17:59	8015B		MS
Surrogate: 1-Chlorooctadecane			*103 %*	*39.9-141*		*12/19/25 17:59*	*8015B*		MS
Surrogate: 1-Chlorooctane			*104 %*	*52.4-130*		*12/19/25 17:59*	*8015B*		MS

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

Hilcorp	Project: NM Oil and Gas Tests (Ensolum)	
382 CR 3100	Project Name / Number: Allison #112	**Reported:**
Aztec NM, 87410	Project Manager: Kate Kaufman	12/31/25 07:58

FS01

2512238-03 (Soil)
Sampled Date: 12/17/25 11:10
Sampled By: Michael Pollock

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	**80.9**			%	1	12/26/25 11:57	EPA 160.3/1684	H1	SCE
Soluble (DI Water Extraction)									
Chloride*	<12.4	12.4	6.15	mg/kg dry	10	12/24/25 08:23	EPA 300.0		AWG

Subcontracted -- **Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

Volatile Organic Compounds by EPA Method 8021									
Benzene*	<0.050	0.050	0.011	mg/kg	50	12/20/25 06:02	8021B		JH
Ethylbenzene*	<0.050	0.050	0.011	mg/kg	50	12/20/25 06:02	8021B		JH
Toluene*	<0.050	0.050	0.009	mg/kg	50	12/20/25 06:02	8021B		JH
Total BTEX	<0.300	0.300	0.062	mg/kg	50	12/20/25 06:02	8021B		JH
Total Xylenes*	<0.150	0.150	0.032	mg/kg	50	12/20/25 06:02	8021B		JH
Surrogate: 4-Bromofluorobenzene (PID)			*113 %*	*70.4-141*		*12/20/25 06:02*	*8021B*		JH
Petroleum Hydrocarbons by GC FID									
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	12/19/25 18:21	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	12/19/25 18:21	8015B		MS
GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	12/19/25 18:21	8015B		MS
Surrogate: 1-Chlorooctadecane			*101 %*	*39.9-141*		*12/19/25 18:21*	*8015B*		MS
Surrogate: 1-Chlorooctane			*102 %*	*52.4-130*		*12/19/25 18:21*	*8015B*		MS

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

Hilcorp	Project: NM Oil and Gas Tests (Ensolum)	
382 CR 3100	Project Name / Number: Allison #112	**Reported:**
Aztec NM, 87410	Project Manager: Kate Kaufman	12/31/25 07:58

FS04

2512238-04 (Soil)
Sampled Date: 12/17/25 11:40
Sampled By: Michael Pollock

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	**83.4**			%	1	12/26/25 11:57	EPA 160.3/1684	H1	SCE
Soluble (DI Water Extraction)									
Chloride*	**12.0**	12.0	5.96	mg/kg dry	10	12/24/25 08:48	EPA 300.0		AWG
Subcontracted -- **Cardinal Laboratories 101 East Marland Hobbs, NM 88240**									
Volatile Organic Compounds by EPA Method 8021									
Benzene*	<0.050	0.050	0.011	mg/kg	50	12/20/25 06:13	8021B		JH
Ethylbenzene*	<0.050	0.050	0.011	mg/kg	50	12/20/25 06:13	8021B		JH
Toluene*	<0.050	0.050	0.009	mg/kg	50	12/20/25 06:13	8021B		JH
Total BTEX	<0.300	0.300	0.062	mg/kg	50	12/20/25 06:13	8021B		JH
Total Xylenes*	<0.150	0.150	0.032	mg/kg	50	12/20/25 06:13	8021B		JH
Surrogate: 4-Bromofluorobenzene (PID)			*113 %*	*70.4-141*		*12/20/25 06:13*	*8021B*		JH
Petroleum Hydrocarbons by GC FID									
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	12/19/25 18:44	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	12/19/25 18:44	8015B		MS
GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	12/19/25 18:44	8015B		MS
Surrogate: 1-Chlorooctadecane			*104 %*	*39.9-141*		*12/19/25 18:44*	*8015B*		MS
Surrogate: 1-Chlorooctane			*105 %*	*52.4-130*		*12/19/25 18:44*	*8015B*		MS

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

Hilcorp	Project: NM Oil and Gas Tests (Ensolum)	
382 CR 3100	Project Name / Number: Allison #112	**Reported:**
Aztec NM, 87410	Project Manager: Kate Kaufman	12/31/25 07:58

HA10 @ 0.5'

2512238-05 (Soil)
Sampled Date: 12/17/25 12:00
Sampled By: Michael Pollock

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	**85.1**			%	1	12/26/25 11:57	EPA 160.3/1684	H1	SCE
Soluble (DI Water Extraction)									
Chloride*	**15.6**	11.8	5.84	mg/kg dry	10	12/24/25 09:12	EPA 300.0		AWG

Subcontracted -- **Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

Volatile Organic Compounds by EPA Method 8021									
Benzene*	<0.050	0.050	0.011	mg/kg	50	12/20/25 06:24	8021B		JH
Ethylbenzene*	<0.050	0.050	0.011	mg/kg	50	12/20/25 06:24	8021B		JH
Toluene*	<0.050	0.050	0.009	mg/kg	50	12/20/25 06:24	8021B		JH
Total BTEX	<0.300	0.300	0.062	mg/kg	50	12/20/25 06:24	8021B		JH
Total Xylenes*	<0.150	0.150	0.032	mg/kg	50	12/20/25 06:24	8021B		JH
Surrogate: 4-Bromofluorobenzene (PID)			*113 %*	*70.4-141*		*12/20/25 06:24*	*8021B*		JH
Petroleum Hydrocarbons by GC FID									
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	12/19/25 19:06	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	12/19/25 19:06	8015B		MS
GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	12/19/25 19:06	8015B		MS
Surrogate: 1-Chlorooctadecane			*106 %*	*39.9-141*		*12/19/25 19:06*	*8015B*		MS
Surrogate: 1-Chlorooctane			*106 %*	*52.4-130*		*12/19/25 19:06*	*8015B*		MS

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

Hilcorp	Project: NM Oil and Gas Tests (Ensolum)	
382 CR 3100	Project Name / Number: Allison #112	**Reported:**
Aztec NM, 87410	Project Manager: Kate Kaufman	12/31/25 07:58

HA10 @ 2'

2512238-06 (Soil)
Sampled Date: 12/17/25 12:20
Sampled By: Michael Pollock

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	**81.7**			%	1	12/26/25 11:57	EPA 160.3/1684	H1	SCE
Soluble (DI Water Extraction)									
Chloride*	<12.2	12.2	6.09	mg/kg dry	10	12/24/25 09:37	EPA 300.0		AWG

Subcontracted -- **Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

Volatile Organic Compounds by EPA Method 8021									
Benzene*	<0.050	0.050	0.011	mg/kg	50	12/20/25 06:35	8021B		JH
Ethylbenzene*	<0.050	0.050	0.011	mg/kg	50	12/20/25 06:35	8021B		JH
Toluene*	<0.050	0.050	0.009	mg/kg	50	12/20/25 06:35	8021B		JH
Total BTEX	<0.300	0.300	0.062	mg/kg	50	12/20/25 06:35	8021B		JH
Total Xylenes*	<0.150	0.150	0.032	mg/kg	50	12/20/25 06:35	8021B		JH
Surrogate: 4-Bromofluorobenzene (PID)			*112 %*	*70.4-141*		*12/20/25 06:35*	*8021B*		JH
Petroleum Hydrocarbons by GC FID									
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	12/19/25 19:27	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	12/19/25 19:27	8015B		MS
GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	12/19/25 19:27	8015B		MS
Surrogate: 1-Chlorooctadecane			*104 %*	*39.9-141*		*12/19/25 19:27*	*8015B*		MS
Surrogate: 1-Chlorooctane			*106 %*	*52.4-130*		*12/19/25 19:27*	*8015B*		MS

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

Hilcorp	Project: NM Oil and Gas Tests (Ensolum)	
382 CR 3100	Project Name / Number: Allison #112	**Reported:**
Aztec NM, 87410	Project Manager: Kate Kaufman	12/31/25 07:58

Soluble (DI Water Extraction) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B254125 - IC- Ion Chromatograph										
Blank (B254125-BLK1)				Prepared: 12/23/25 Analyzed: 12/24/25						
Chloride	ND	10.0	mg/kg wet							
LCS (B254125-BS1)				Prepared: 12/23/25 Analyzed: 12/24/25						
Chloride	235	10.0	mg/kg wet	250		94.1	85-115			
LCS Dup (B254125-BSD1)				Prepared: 12/23/25 Analyzed: 12/24/25						
Chloride	236	10.0	mg/kg wet	250		94.5	85-115	0.416	20	

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5121903 - Volatiles										
Blank (5121903-BLK1)				Prepared: 12/19/25 Analyzed: 12/20/25						
Surrogate: 4-Bromofluorobenzene (PID)	*0.0566*		mg/kg	*0.0500*		*113*	*70.4-141*			
Benzene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
LCS (5121903-BS1)				Prepared: 12/19/25 Analyzed: 12/20/25						
Surrogate: 4-Bromofluorobenzene (PID)	*0.0520*		mg/kg	*0.0500*		*104*	*70.4-141*			
Benzene	1.83	0.050	mg/kg	2.00		91.3	71-111			
Ethylbenzene	2.00	0.050	mg/kg	2.00		100	74.2-119			
m,p-Xylene	4.01	0.100	mg/kg	4.00		100	72.5-123			
o-Xylene	1.92	0.050	mg/kg	2.00		96.1	70.5-124			
Toluene	2.00	0.050	mg/kg	2.00		99.8	75-116			
Total Xylenes	5.93	0.150	mg/kg	6.00		98.8	72.2-123			
LCS Dup (5121903-BSD1)				Prepared: 12/19/25 Analyzed: 12/20/25						
Surrogate: 4-Bromofluorobenzene (PID)	*0.0514*		mg/kg	*0.0500*		*103*	*70.4-141*			
Benzene	1.76	0.050	mg/kg	2.00		87.8	71-111	3.84	17.6	
Ethylbenzene	1.92	0.050	mg/kg	2.00		96.1	74.2-119	4.21	14.2	
m,p-Xylene	3.85	0.100	mg/kg	4.00		96.3	72.5-123	3.97	13.6	

Green Analytical Laboratories

Jeremy D. Allen

Jeremy D Allen, Laboratory Director

Hilcorp	Project: NM Oil and Gas Tests (Ensolum)	
382 CR 3100	Project Name / Number: Allison #112	**Reported:**
Aztec NM, 87410	Project Manager: Kate Kaufman	12/31/25 07:58

Volatile Organic Compounds by EPA Method 8021 - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5121903 - Volatiles (Continued)										
LCS Dup (5121903-BSD1) (Continued)			Prepared: 12/19/25 Analyzed: 12/20/25							
o-Xylene	1.89	0.050	mg/kg	2.00		94.4	70.5-124	1.75	13.7	
Toluene	1.91	0.050	mg/kg	2.00		95.3	75-116	4.66	14.8	
Total Xylenes	5.74	0.150	mg/kg	6.00		95.6	72.2-123	3.25	13.3	

Petroleum Hydrocarbons by GC FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5121906 - General Prep - Organics										
Blank (5121906-BLK1)			Prepared & Analyzed: 12/19/25							
Surrogate: 1-Chlorooctadecane	*46.7*		mg/kg	*50.0*		*93.5*	*39.9-141*			
Surrogate: 1-Chlorooctane	*48.4*		mg/kg	*50.0*		*96.8*	*52.4-130*			
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
GRO C6-C10	ND	10.0	mg/kg							
LCS (5121906-BS1)			Prepared & Analyzed: 12/19/25							
Surrogate: 1-Chlorooctadecane	*55.5*		mg/kg	*50.0*		*111*	*39.9-141*			
Surrogate: 1-Chlorooctane	*55.9*		mg/kg	*50.0*		*112*	*52.4-130*			
DRO >C10-C28	185	10.0	mg/kg	200		92.7	74.8-123			
GRO C6-C10	196	10.0	mg/kg	200		97.8	78.7-123			
Total TPH C6-C28	381	10.0	mg/kg	400		95.2	78.6-121			
LCS Dup (5121906-BSD1)			Prepared & Analyzed: 12/19/25							
Surrogate: 1-Chlorooctadecane	*54.6*		mg/kg	*50.0*		*109*	*39.9-141*			
Surrogate: 1-Chlorooctane	*55.5*		mg/kg	*50.0*		*111*	*52.4-130*			
DRO >C10-C28	184	10.0	mg/kg	200		92.1	74.8-123	0.678	10.9	
GRO C6-C10	194	10.0	mg/kg	200		97.0	78.7-123	0.802	11.3	
Total TPH C6-C28	378	10.0	mg/kg	400		94.5	78.6-121	0.742	10.5	

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

Hilcorp	Project: NM Oil and Gas Tests (Ensolum)	
382 CR 3100	Project Name / Number: Allison #112	**Reported:**
Aztec NM, 87410	Project Manager: Kate Kaufman	12/31/25 07:58

Notes and Definitions

H1	Sample was received several days after collected and subsequently analyzed past hold time.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
	*Results reported on as received basis unless designated as dry.
RPD	Relative Percent Difference
LCS	Laboratory Control Sample (Blank Spike)
RL	Report Limit
MDL	Method Detection Limit

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

GAL Analytical
75 Suttle Street
Durango, CO 81303
(970) 247-4220

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
FORM-006, R 8.0

Note: Wite-Out™ or similar products cannot be used on the Chain of Custody

Company or Client: Hilcorp Energy Company
Address:
City: **State:** **Zip:**
Phone #: 346-237-2275
Contact Person: ~~Wes Weichert~~ Kate Kaufman
Email Report to: wweichert@ensolum.com
Project Name(optional): Allison #112
Sampler Name (Print): Michael Pollock

Bill to (if different):
P.O. #:
Rush? Y N
TAT Needed?

Lab I.D. (Lab Use Only)	Sample Name or Location	Collected Date	Collected Time	Matrix: GROUNDWATER	SURFACE WATER	WASTEWATER	PRODUCED WATER	DRINKING WATER	SOIL	OTHER:	# of containers: No preservation	Nitric Acid	Hydrochloric Acid	Sulfuric Acid	Sodium Hydroxide	OTHER:	ANALYSIS REQUEST: BTEX	TPH - GRO, DRO, MRO	Cl⁻
2512-238																			
01	1) FS03	12/17	1000						X		1						X	X	X
02	2) FS02		1040								1						X	X	X
03	3) FS01		1140								1						X	X	X
04	4) FS04		1140								1						X	X	X
05	5) HA10 @ 0.5'		1200								1						X	X	X
06	6) HA10 @ 2'		1220								1						X	X	X
	7)																		
	8)																		
	9)																		
	10)																		

Relinquished By: Michael Pollock	Date: 12/17/25 Time: 13:50	**Received By:**	Date: 12.17.25 Time: 13:50	ADDITIONAL REMARKS: CC: wweichert@ensolum.com, shyde@ensolum.com, MPollock@ensolum.com
Relinquished By:	Date: Time:	**Received By:**	Date: Time:	
Relinquished By:	Date: Time:	**Received By:**	Date: Time:	Temperature at receipt: 8.5 °C; Checked by: ; On Ice? Y N; Therm. used:

† GAL cannot accept verbal changes. Please email changes to receiving@greenanalytical.com
* Chain of Custody must be signed in "Relinquished By:" as an acceptance of services and all applicable charges.

Analytical Laboratories

Date/Initials of person examining contents: 12.17.25

Labeled by initials: _____
(if different than above)

SAMPLE CONDITION RECEIPT FORM

Client Name: Hilcorp / Ensolum **Work Order #** 2512-238

Courier: ☐Fed Ex ☐UPS ☐USPS ☑Client ☐ Kangaroo ☐ Third Party ☐Other

Custody Seals on Box/Cooler Present: ☐ Yes ☑ No Seals Intact: ☐ Yes ☐ No GAL Cooler #: _____

Thermometer Used: #2 Samples on ice, cooling process has begun: ☑ Yes ☐ No

Type of Ice: ☑ Wet ☐ Blue ☐ None **Cooler Temp:** Observed Temp: 8.5 °C Correction Factor: 0 °C Final Temp: 8.5 °C

Temp: _____ °C

Temp: _____ °C

Temp: _____ °C

* *Temp should be above freezing 6°C, if multiple readings are taken the lowest temp is the final temp recorded.*

Compliance: ☐ Yes ☑ No

Chain of Custody Filled Out:	☑Yes ☐No	1.
COC Signed when Relinquished and Received:	☑Yes ☐No	2.
Sampler Name and Signature on COC: *Required for compliance	☑Yes ☐No	3.
Samples arrived within hold time: (Excluding pH)	☑Yes ☐No	4.
Correct Containers Used & Intact:	☑Yes ☐No	5.
Short Hold Time Analysis (<72hr): (Excluding pH)	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume:	☑Yes ☐No	8.
pH's acceptable upon receipt, where applicable: *Not including metals bottles	☐Yes ☐No ☑N/A	9.
Dissolved Testing Needed: Field Filtered: ☐Yes ☐No	☐Yes ☑No	10.
Sample Labels match COC: -Includes Date/Time/ID Matrix:	☑Yes ☐No WT SL OT	11.
Trip Blank Present: Trip Blank Custody Seals Present: VOA's meet headspace requirement (<6mm bubbles)	☐Yes ☐No ☑N/A ☐Yes ☐No ☑N/A ☐Yes ☐No ☑N/A	12.
Non-Conformance(s):	☐Yes ☑No	13.

MRW 12.17.25

Client Notification/Resolution:

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

FORM-039, Rev 6

Page 1 of 1

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 542152

QUESTIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 542152
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2526151903**
Incident Name	**NAPP2526151903 ALLISON #112 @ 30-045-27129**
Incident Type	**Oil Release**
Incident Status	**Remediation Closure Report Received**
Incident Well	**[30-045-27129] ALLISON UNIT #112**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	ALLISON #112
Date Release Discovered	09/17/2025
Surface Owner	Private

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. | Pit (Specify) | Crude Oil | Released: 6 BBL | Recovered: 0 BBL | Lost: 6 BBL.
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	*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)	Pit tank was flooded due to a rain event, resulting in motor oil and precipitation floating out of the tank and on to the location.

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QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 542152
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 01/12/2026

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QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 542152
	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 26 and 50 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1000 (ft.) and ½ (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	None
A 100-year floodplain	Between 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)	190
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	6440
GRO+DRO (EPA SW-846 Method 8015M)	340
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	09/30/2025
On what date will (or did) the final sampling or liner inspection occur	12/17/2025
On what date will (or was) the remediation complete(d)	12/17/2025
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	448
What is the estimated volume (in cubic yards) that will be remediated	17
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: 542152
	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	fSC00000000048 ENVIROTECH
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: 01/12/2026
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: 542152
	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: 542152
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**534043**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**12/17/2025**
What was the (estimated) number of samples that were to be gathered	**15**
What was the sampling surface area in square feet	**460**

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	448
What was the total volume (cubic yards) remediated	17
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)	Site excavation and confirmation sampling were conducted to address the release discovered on September 17, 2025. Laboratory analytical results from the final excavation extent indicated that all concentrations of COCs were compliant with the applicable Site Closure Criteria and the reclamation requirement; therefore, no further remediation is required. Excavation of impacted soil has effectively mitigated site impacts, and these actions have been protective of 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: 01/12/2026

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

General Information
Phone: (505) 629-6116

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

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 542152
	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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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: 542152
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	3/4/2026