



March 24, 2026

New Mexico Oil Conservation Division

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

**Re: Closure Request
Hansen State Battery
Incident Number nAPP2602034668
Lea County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Hilcorp Energy Company (Hilcorp), has prepared this *Closure Request* to document the findings of a liner integrity inspection conducted at the Hansen State Battery (Site) following a release of produced water within a secondary lined containment. Based on the liner integrity inspection activities, Hilcorp is submitting this *Closure Request*, describing the inspection results and requesting closure for Incident Number nAPP2602034668.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit A, Section 16, Township 20 South, Range 37 East, in Lea County, New Mexico (32.578349°, -103.25071°) and is associated with oil and gas exploration and production operations on State Trust Land (STL) managed by the New Mexico State Land Office (SLO).

On January 19, 2026, freezing temperature caused the failure of a 2-inch check valve on a transfer pump, resulting in the release of approximately 30 barrels (bbls) of produced water into a secondary lined containment. A vacuum truck was dispatched to the Site to recover free-standing fluids, and all released fluids were recovered. Following the release, the pump was isolated and repaired. Hilcorp reported the release to the New Mexico Oil Conservation Division (NMOCD) via a *Notification of Release* (NOR) on January 20, 2026, and subsequently submitted an *Initial Release C-141 Form* (C-141) on February 2, 2026. The release was assigned Incident Number nAPP2602034668.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented below and potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be less than 50 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well (L-10150) is located approximately 0.56 miles northwest of the Site with a reported depth to groundwater of 30 feet bgs and most recent water level measurement from November 19, 1990. An additional groundwater well (USGS 323442103154501) is located 0.72 miles west of the Site with depth to groundwater less than 50 feet

Hilcorp Energy Company
Closure Request
Hansen State Battery

bgs and most recent water level measurement from March 21, 1986. The referenced Well Records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a seasonal dry wash located approximately 11,348 feet southwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is less than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area).

Based on the results of the Site Characterization, and NMOCD's preference that depth to groundwater data be obtained within a 0.5 mile radius of the Site and from within the last 25 years, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

LINER INTEGRITY INSPECTION ACTIVITIES

A 48-hour advance notice of the liner inspection was submitted to the NMOCD on February 11, 2026. The lined containment was cleaned of all debris and power washed and a liner integrity inspection was conducted by Ensolum personnel on February 16, 2026. During the inspection, standing water was observed within the containment area, attributed to power-washing operations. The lined containment was inspected, and it was determined that the liner was operating as designed. Upon inspection, no rips, tears, holes, or damage was observed. The liner was determined to be operating sufficiently, and all released fluids were recovered. Photographic documentation of the inspection is included in Appendix B.

ASSESSMENT SOIL SAMPLING ACTIVITIES

Immediately following inspection activities on February 16, 2026, Ensolum personnel were at the Site to oversee assessment sampling activities. Four lateral soil samples (LS01 through LS04) were collected from outside the lined containment at a depth of approximately 0.5 feet bgs to confirm the absence of impacted soil. The assessment soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach® chloride QuanTab® test strips. The assessment soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation of liner inspection and soil sampling activities is included in Appendix B.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Eurofins Environment Testing (Eurofins) in Midland, Texas, for analysis of the following contaminants of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH following EPA Method 8015M/D; and chloride following EPA Method 300.0.



Hilcorp Energy Company
Closure Request
Hansen State Battery

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for assessment soil samples LS01 through LS04 indicated all COCs were in compliance with Site Closure Criteria, confirming the release was fully contained within the secondary lined containment. Laboratory analytical results are summarized in Table 1 and the laboratory analytical reports are included in Appendix C.

CLOSURE REQUEST

Liner integrity inspection activities were conducted following a January 19, 2026, release of produced water within a secondary lined containment at the Site. A liner integrity inspection was conducted on behalf of Hilcorp, by Ensolum personnel on February 16, 2026. The results of the inspection indicated that the liner was operating as designed and the release was contained laterally by the lined containment walls. Based on initial response efforts and the liner operating as designed, Hilcorp respectfully requests closure for Incident Number nAPP2602034668.

If you have any questions or comments, please contact Ms. Kalei Jennings at (817) 683-2503 or kjennings@ensolum.com.

Sincerely,
Ensolum, LLC



Alex Ferrell
Staff Geologist



Kalei Jennings
Senior Managing Scientist

cc: Billy Ginn, Hilcorp Energy Company

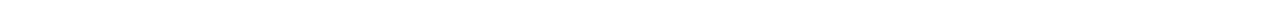
Appendices:

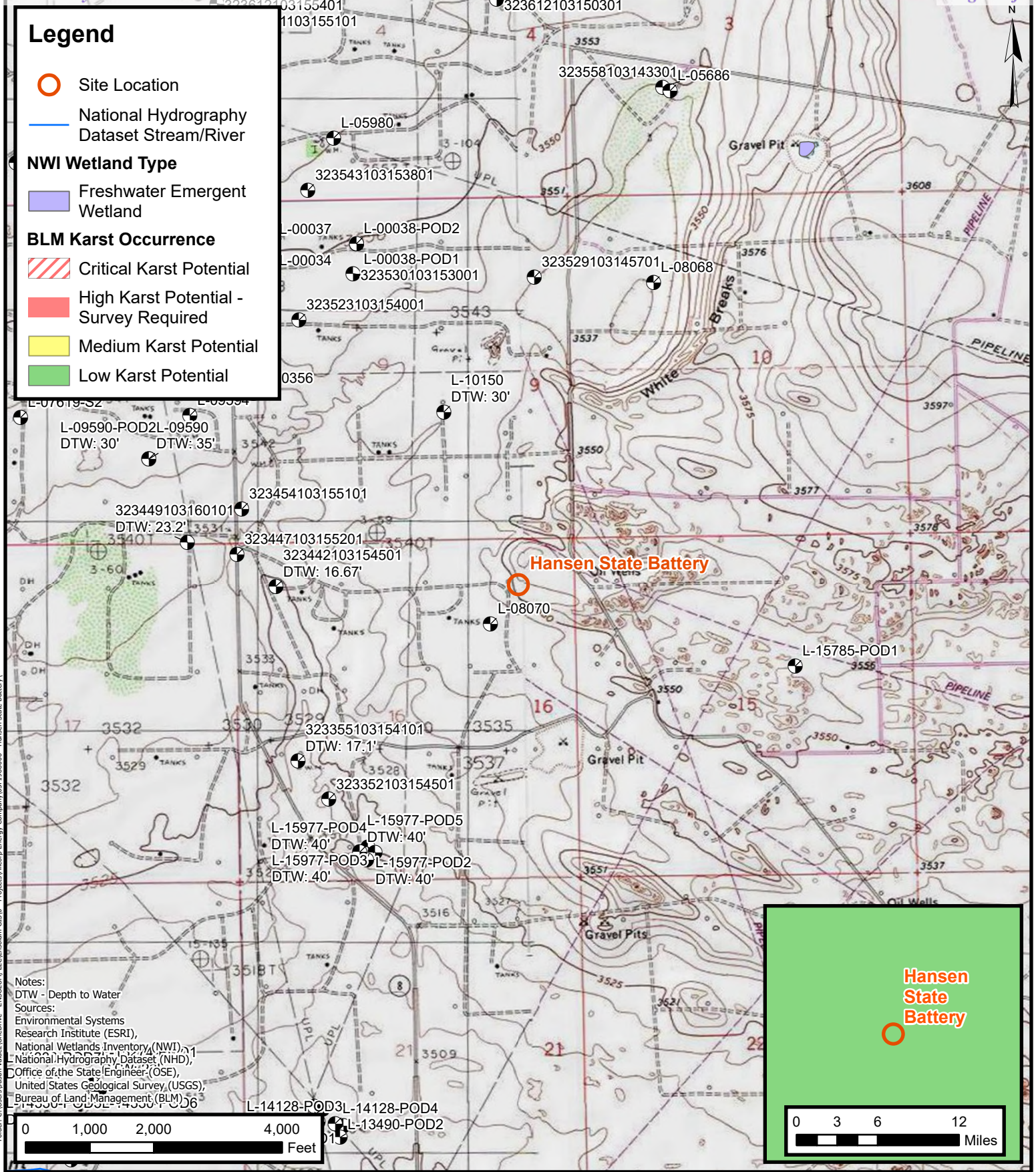
- Figure 1 Site Receptor Map
- Figure 2 Site Map
- Table 1 Soil Sample Analytical Results
- Appendix A Referenced Well Records
- Appendix B Photographic Log
- Appendix C Laboratory Analytical Reports





FIGURES





Site Receptor Map

Hilcorp Energy Company
Hansen State Battery

Incident Number: nAPP2602034668
Unit A, Section 16, Township 20 South, Range 37 East
Lea County, New Mexico

FIGURE

1

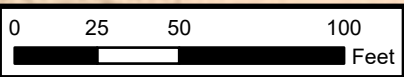


Legend

- Assessment Soil Sample in Compliance with Closure Criteria
- Lined Containment



Notes:
Sample ID @ Depth Below Ground Surface.



Sources: Environmental Systems Research Institute (ESRI)



Site Map

Hilcorp Energy Company
Hansen State Battery
Unit A, Section 16, Township 20 South, Range 37 East
Incident Number: nAPP2602034668
Lea County, New Mexico

FIGURE

2



TABLES



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Hansen State Battery Hilcorp Energy Company Lea County, New Mexico										
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Assessment Soil Samples										
LS01	02/16/2026	0.5	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	10.3
LS02	02/16/2026	0.5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	<10.1
LS03	02/16/2026	0.5	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	<10.1
LS04	02/16/2026	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	<10.1

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon



APPENDIX A

Referenced Well Records

Revised June 1972

STATE ENGINEER OFFICE
WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Trent Stradley Owner's Well No. _____
Street or Post Office Address Box 549
City and State Hobbs, N.M. 88240

Well was drilled under Permit No. L-10,150 and is located in the:

- a. 1/4 1/4 NW 1/4 SE 1/4 of Section 9 Township 20S Range 37E N.M.P.M.
- b. Tract No. _____ of Map No. _____ of the _____
- c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.
- d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor Gene Fades License No. WD-982

Address 1335 Katy Lane, Hobbs, N.M. 88240

Drilling Began 11-19-90 Completed 11-19-90 Type tools Rotary Size of hole 8 in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 46 ft.

Completed well is shallow artesian. Depth to water upon completion of well 30 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
30	46	16	Sot water sand	35

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To
5 3/4	160psi				46		26	46

Section 4. RECORD OF MUDDING AND CEMENTING

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

Section 5. PLUGGING RECORD

Plugging Contractor _____

Address _____

Plugging Method _____

Date Well Plugged _____

Plugging approved by: _____

State Engineer Representative

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

FOR USE OF STATE ENGINEER ONLY

Date Received June 20, 1991

Quad _____ FWL _____ FSL _____

511939

File No. L-10,150

Use STOCK

Location No. 20.37.9.41411



[USGS Home](#)
[Contact USGS](#)
[Search USGS](#)

National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

Click to hide News Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for the Nation

! Ground water level pages will be decommissioned in early 2026. These gwlevel pages are frozen as of November 18th, 2025. Please find the [modernized pages in WDFN](#) that suit you best. Learn more about our [modernization plans and timeline](#) and [new pages](#).

Search Results -- 1 sites found

site_no list =

- 323442103154501

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 323442103154501 20S.37E.09.33122

Available data for this site

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°34'42", Longitude 103°15'45" NAD27

Land-surface elevation 3,526 feet above NAVD88

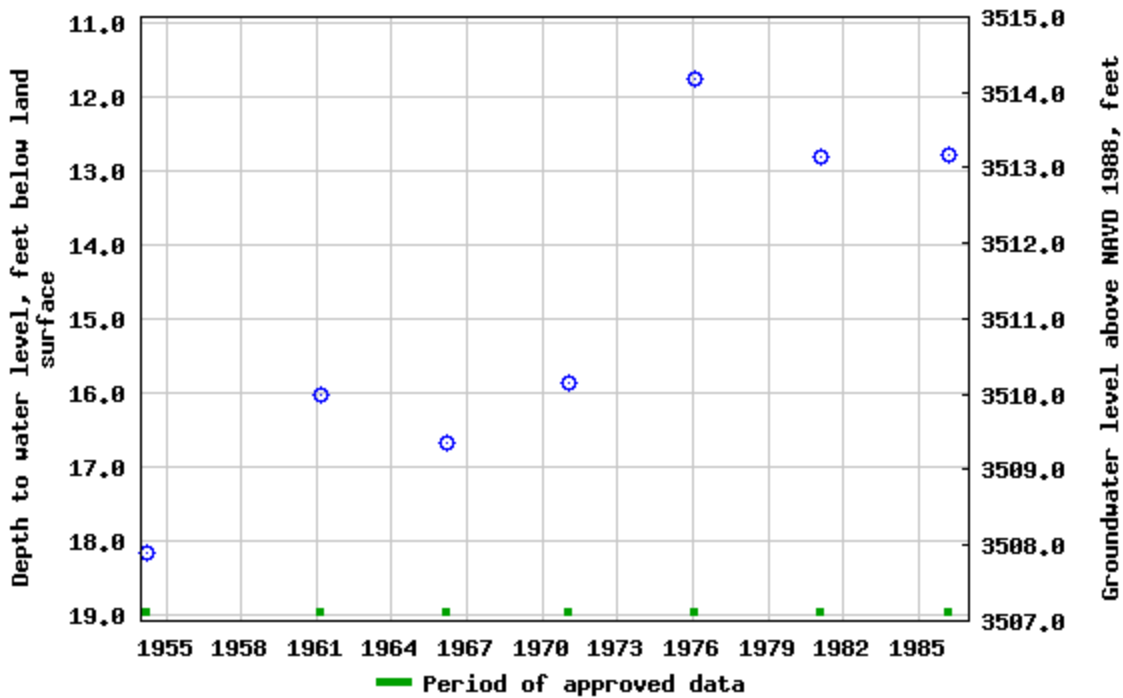
This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

USGS 323442103154501 20S.37E.09.33122



Breaks in the plot represent a gap of at least one year between field measurements.
[Download a presentation-quality graph](#)

[Questions or Comments](#)

[Help](#)

[Data Tips](#)

[Explanation of terms](#)

[Subscribe for system changes](#)

[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)

[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2026-01-26 10:27:11 EST

0.66 0.53 nadww02

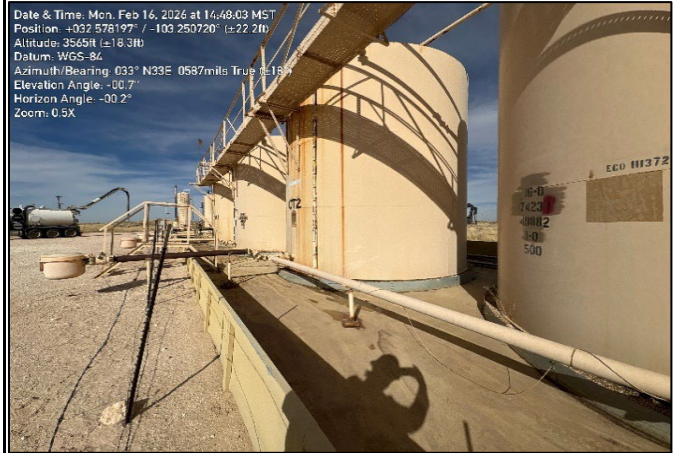
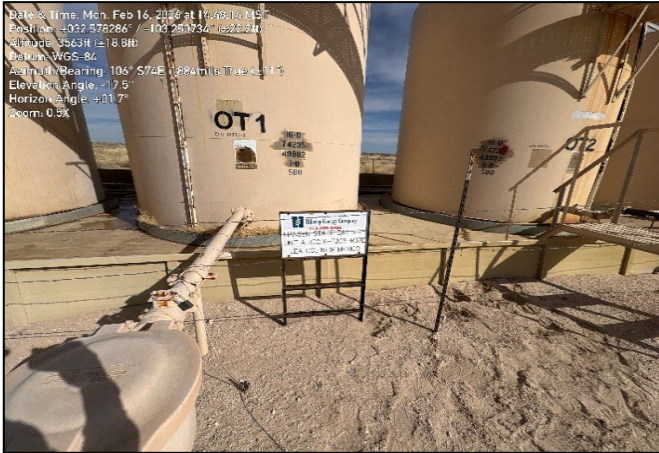


APPENDIX B

Photographic Log



Photographic Log
Hilcorp Energy Company
Hansen State Battery
Lea County, New Mexico



Photograph: 1 Date: 2/16/2026
Description: Liner inspection activities
View: East

Photograph: 2 Date: 2/16/2026
Description: Liner inspection activities
View: Northeast



Photograph: 3 Date: 2/16/2026
Description: Liner inspection activities
View: West

Photograph: 4 Date: 2/16/2026
Description: Liner inspection activities
View: Northwest

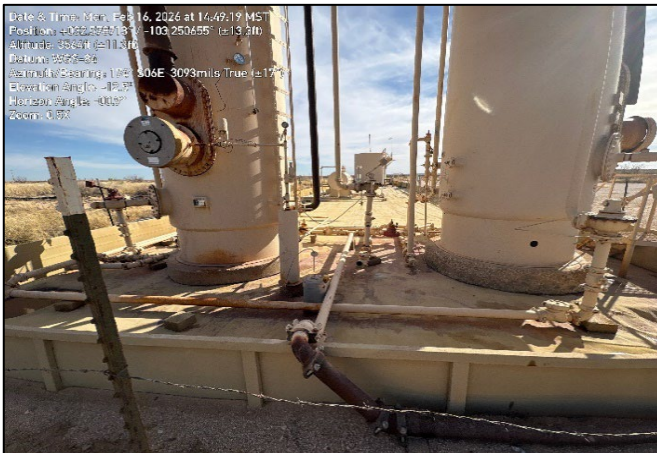


Photographic Log
Hilcorp Energy Company
Hansen State Battery
Lea County, New Mexico



Photograph: 5 Date: 2/16/2026
Description: Liner inspection activities
View: Southeast

Photograph: 6 Date: 2/16/2026
Description: Liner inspection activities
View: Northeast



Photograph: 7 Date: 2/16/2026
Description: Liner inspection activities
View: South

Photograph: 8 Date: 2/16/2026
Description: Liner inspection activities
View: North



APPENDIX C

Laboratory Analytical Reports



Environment Testing

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Alex Ferrell
 Ensolum
 601 N. Marienfeld St.
 Suite 400
 Midland, Texas 79701
 Generated 2/24/2026 9:22:53 PM

JOB DESCRIPTION

HANSEN STATE BATTERY
 Lea County

JOB NUMBER

890-9516-1

Eurofins Carlsbad
 1089 N Canal St.
 Carlsbad NM 88220



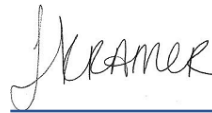
Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
2/24/2026 9:22:53 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Client: Ensolum
Project/Site: HANSEN STATE BATTERY

Laboratory Job ID: 890-9516-1
SDG: Lea County

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	10
QC Sample Results	11
QC Association Summary	16
Lab Chronicle	19
Certification Summary	21
Method Summary	22
Sample Summary	23
Chain of Custody	24
Receipt Checklists	26

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Definitions/Glossary

Client: Ensolum
 Project/Site: HANSEN STATE BATTERY

Job ID: 890-9516-1
 SDG: Lea County

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

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: Ensolum
Project: HANSEN STATE BATTERY

Job ID: 890-9516-1

Job ID: 890-9516-1

Eurofins Carlsbad

Job Narrative 890-9516-1

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

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

Receipt

The samples were received on 2/17/2026 10:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: LS 01 (890-9516-1), LS 02 (890-9516-2), LS 03 (890-9516-3) and LS 04 (890-9516-4).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: LS 01 (890-9516-1), LS 03 (890-9516-3), LS 04 (890-9516-4), (CCV 880-132659/33), (LCS 880-132775/1-A), (890-9516-A-1-C MS) and (890-9516-A-1-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-132659 recovered above the upper control limit for Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-132465 and 880-132775 and analytical batch 880-132659 was outside the upper control limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-132775 and analytical batch 880-132659 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.

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

Diesel Range Organics

Method 8015B NM: Surrogate recovery for the following sample was outside the upper control limit: LS 04 (890-9516-4). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

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

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
 Project/Site: HANSEN STATE BATTERY

Job ID: 890-9516-1
 SDG: Lea County

Client Sample ID: LS 01

Lab Sample ID: 890-9516-1

Date Collected: 02/16/26 12:39

Matrix: Solid

Date Received: 02/17/26 10:15

Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/23/26 18:37	02/24/26 00:14	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/23/26 18:37	02/24/26 00:14	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/23/26 18:37	02/24/26 00:14	1
m-Xylene & p-Xylene	<0.00399	U F1	0.00399	mg/Kg		02/23/26 18:37	02/24/26 00:14	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/23/26 18:37	02/24/26 00:14	1
Xylenes, Total	<0.00399	U F1	0.00399	mg/Kg		02/23/26 18:37	02/24/26 00:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	02/23/26 18:37	02/24/26 00:14	1
1,4-Difluorobenzene (Surr)	85		70 - 130	02/23/26 18:37	02/24/26 00:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			02/24/26 00:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			02/24/26 20:14	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	<49.8	U	49.8	mg/Kg		02/17/26 10:05	02/24/26 20:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		02/17/26 10:05	02/24/26 20:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		02/17/26 10:05	02/24/26 20:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	02/17/26 10:05	02/24/26 20:14	1
o-Terphenyl	110		70 - 130	02/17/26 10:05	02/24/26 20:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.3		10.1	mg/Kg			02/19/26 15:09	1

Client Sample ID: LS 02

Lab Sample ID: 890-9516-2

Date Collected: 02/16/26 12:43

Matrix: Solid

Date Received: 02/17/26 10:15

Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		02/23/26 18:37	02/24/26 00:35	1
Toluene	<0.00201	U	0.00201	mg/Kg		02/23/26 18:37	02/24/26 00:35	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/23/26 18:37	02/24/26 00:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		02/23/26 18:37	02/24/26 00:35	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/23/26 18:37	02/24/26 00:35	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		02/23/26 18:37	02/24/26 00:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	02/23/26 18:37	02/24/26 00:35	1

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
 Project/Site: HANSEN STATE BATTERY

Job ID: 890-9516-1
 SDG: Lea County

Client Sample ID: LS 02

Lab Sample ID: 890-9516-2

Date Collected: 02/16/26 12:43

Matrix: Solid

Date Received: 02/17/26 10:15

Sample Depth: 0.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	95		70 - 130	02/23/26 18:37	02/24/26 00:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			02/24/26 00:35	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/24/26 20:28	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	<49.9	U	49.9	mg/Kg		02/17/26 10:05	02/24/26 20:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/17/26 10:05	02/24/26 20:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/17/26 10:05	02/24/26 20:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	02/17/26 10:05	02/24/26 20:28	1
o-Terphenyl	104		70 - 130	02/17/26 10:05	02/24/26 20:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1	mg/Kg			02/20/26 06:34	1

Client Sample ID: LS 03

Lab Sample ID: 890-9516-3

Date Collected: 02/16/26 12:44

Matrix: Solid

Date Received: 02/17/26 10:15

Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		02/23/26 18:37	02/24/26 00:56	1
Toluene	<0.00202	U	0.00202	mg/Kg		02/23/26 18:37	02/24/26 00:56	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		02/23/26 18:37	02/24/26 00:56	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		02/23/26 18:37	02/24/26 00:56	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		02/23/26 18:37	02/24/26 00:56	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		02/23/26 18:37	02/24/26 00:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130	02/23/26 18:37	02/24/26 00:56	1
1,4-Difluorobenzene (Surr)	96		70 - 130	02/23/26 18:37	02/24/26 00:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			02/24/26 00:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/24/26 20:42	1

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: HANSEN STATE BATTERY

Job ID: 890-9516-1
SDG: Lea County

Client Sample ID: LS 03

Lab Sample ID: 890-9516-3

Date Collected: 02/16/26 12:44

Matrix: Solid

Date Received: 02/17/26 10:15

Sample Depth: 0.5'

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	<50.0	U	50.0	mg/Kg		02/17/26 10:05	02/24/26 20:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/17/26 10:05	02/24/26 20:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/17/26 10:05	02/24/26 20:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130			02/17/26 10:05	02/24/26 20:42	1
o-Terphenyl	101		70 - 130			02/17/26 10:05	02/24/26 20:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1	mg/Kg			02/20/26 06:41	1

Client Sample ID: LS 04

Lab Sample ID: 890-9516-4

Date Collected: 02/16/26 12:46

Matrix: Solid

Date Received: 02/17/26 10:15

Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/23/26 18:37	02/24/26 01:16	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/23/26 18:37	02/24/26 01:16	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/23/26 18:37	02/24/26 01:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		02/23/26 18:37	02/24/26 01:16	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/23/26 18:37	02/24/26 01:16	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/23/26 18:37	02/24/26 01:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130			02/23/26 18:37	02/24/26 01:16	1
1,4-Difluorobenzene (Surr)	89		70 - 130			02/23/26 18:37	02/24/26 01:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/24/26 01:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			02/24/26 20:56	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	<49.8	U	49.8	mg/Kg		02/17/26 10:05	02/24/26 20:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		02/17/26 10:05	02/24/26 20:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		02/17/26 10:05	02/24/26 20:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	187	S1+	70 - 130			02/17/26 10:05	02/24/26 20:56	1
o-Terphenyl	198	S1+	70 - 130			02/17/26 10:05	02/24/26 20:56	1

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: HANSEN STATE BATTERY

Job ID: 890-9516-1
SDG: Lea County

Client Sample ID: LS 04

Lab Sample ID: 890-9516-4

Date Collected: 02/16/26 12:46

Matrix: Solid

Date Received: 02/17/26 10:15

Sample Depth: 0.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1	mg/Kg			02/20/26 06:48	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Surrogate Summary

Client: Ensolum
 Project/Site: HANSEN STATE BATTERY

Job ID: 890-9516-1
 SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
890-9516-1	LS 01	131 S1+	85
890-9516-1 MS	LS 01	137 S1+	81
890-9516-1 MSD	LS 01	144 S1+	88
890-9516-2	LS 02	126	95
890-9516-3	LS 03	138 S1+	96
890-9516-4	LS 04	144 S1+	89
LCS 880-132775/1-A	Lab Control Sample	142 S1+	81
LCSD 880-132775/2-A	Lab Control Sample Dup	119	87
MB 880-132465/5-A	Method Blank	140 S1+	89
MB 880-132775/5-A	Method Blank	145 S1+	87

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
 DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-68394-A-4-B MS	Matrix Spike	104	104
880-68394-A-4-C MSD	Matrix Spike Duplicate	105	101
890-9516-1	LS 01	101	110
890-9516-2	LS 02	96	104
890-9516-3	LS 03	94	101
890-9516-4	LS 04	187 S1+	198 S1+
LCS 880-132073/2-A	Lab Control Sample	94	87
LCSD 880-132073/3-A	Lab Control Sample Dup	98	90
MB 880-132073/1-A	Method Blank	101	110

Surrogate Legend

1CO = 1-Chlorooctane
 OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
 Project/Site: HANSEN STATE BATTERY

Job ID: 890-9516-1
 SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-132465/5-A
 Matrix: Solid
 Analysis Batch: 132659

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 132465

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	<0.00200	U	0.00200	mg/Kg		02/20/26 09:52	02/23/26 12:40	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/20/26 09:52	02/23/26 12:40	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/20/26 09:52	02/23/26 12:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		02/20/26 09:52	02/23/26 12:40	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/20/26 09:52	02/23/26 12:40	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/20/26 09:52	02/23/26 12:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130			02/20/26 09:52	02/23/26 12:40	1
1,4-Difluorobenzene (Surr)	89		70 - 130			02/20/26 09:52	02/23/26 12:40	1

Lab Sample ID: MB 880-132775/5-A
 Matrix: Solid
 Analysis Batch: 132659

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 132775

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	<0.00200	U	0.00200	mg/Kg		02/23/26 18:37	02/23/26 23:53	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/23/26 18:37	02/23/26 23:53	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/23/26 18:37	02/23/26 23:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		02/23/26 18:37	02/23/26 23:53	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/23/26 18:37	02/23/26 23:53	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/23/26 18:37	02/23/26 23:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130			02/23/26 18:37	02/23/26 23:53	1
1,4-Difluorobenzene (Surr)	87		70 - 130			02/23/26 18:37	02/23/26 23:53	1

Lab Sample ID: LCS 880-132775/1-A
 Matrix: Solid
 Analysis Batch: 132659

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 132775

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	0.100	0.1082		mg/Kg		108	70 - 130
Ethylbenzene	0.100	0.1271		mg/Kg		127	70 - 130
m-Xylene & p-Xylene	0.200	0.2300		mg/Kg		115	70 - 130
o-Xylene	0.100	0.1183		mg/Kg		118	70 - 130
Surrogate	%Recovery	Qualifier	Limits				
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130				
1,4-Difluorobenzene (Surr)	81		70 - 130				

Lab Sample ID: LCSD 880-132775/2-A
 Matrix: Solid
 Analysis Batch: 132659

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 132775

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Benzene	0.100	0.1028		mg/Kg		103	70 - 130	12	35

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
Project/Site: HANSEN STATE BATTERY

Job ID: 890-9516-1
SDG: Lea County

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

Lab Sample ID: LCSD 880-132775/2-A
Matrix: Solid
Analysis Batch: 132659

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 132775

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1107		mg/Kg		111	70 - 130	2	35
Ethylbenzene	0.100	0.1172		mg/Kg		117	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2103		mg/Kg		105	70 - 130	9	35
o-Xylene	0.100	0.1055		mg/Kg		105	70 - 130	11	35

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: 890-9516-1 MS
Matrix: Solid
Analysis Batch: 132659

Client Sample ID: LS 01
Prep Type: Total/NA
Prep Batch: 132775

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.07999		mg/Kg		80	70 - 130
Toluene	<0.00200	U	0.100	0.08748		mg/Kg		87	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.07152		mg/Kg		72	70 - 130
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.1312	F1	mg/Kg		66	70 - 130
o-Xylene	<0.00200	U	0.100	0.07107		mg/Kg		71	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130
1,4-Difluorobenzene (Surr)	81		70 - 130

Lab Sample ID: 890-9516-1 MSD
Matrix: Solid
Analysis Batch: 132659

Client Sample ID: LS 01
Prep Type: Total/NA
Prep Batch: 132775

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.07435		mg/Kg		74	70 - 130	7	35
Toluene	<0.00200	U	0.100	0.09114		mg/Kg		91	70 - 130	4	35
Ethylbenzene	<0.00200	U	0.100	0.09541		mg/Kg		95	70 - 130	29	35
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.1821		mg/Kg		91	70 - 130	32	35
o-Xylene	<0.00200	U	0.100	0.09843		mg/Kg		98	70 - 130	32	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

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

Lab Sample ID: MB 880-132073/1-A
Matrix: Solid
Analysis Batch: 132828

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 132073

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/17/26 10:05	02/24/26 17:26	1

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
Project/Site: HANSEN STATE BATTERY

Job ID: 890-9516-1
SDG: Lea County

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

Lab Sample ID: MB 880-132073/1-A
Matrix: Solid
Analysis Batch: 132828

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 132073

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/17/26 10:05	02/24/26 17:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/17/26 10:05	02/24/26 17:26	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	101		70 - 130	02/17/26 10:05	02/24/26 17:26	1
o-Terphenyl	110		70 - 130	02/17/26 10:05	02/24/26 17:26	1

Lab Sample ID: LCS 880-132073/2-A
Matrix: Solid
Analysis Batch: 132828

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 132073

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	707.2		mg/Kg		71	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	94		70 - 130
o-Terphenyl	87		70 - 130

Lab Sample ID: LCSD 880-132073/3-A
Matrix: Solid
Analysis Batch: 132828

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 132073

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1086		mg/Kg		109	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	1000	780.3		mg/Kg		78	70 - 130	10	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	98		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: 880-68394-A-4-B MS
Matrix: Solid
Analysis Batch: 132828

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 132073

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	<49.9	U	999	748.0		mg/Kg		75	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	104		70 - 130
o-Terphenyl	104		70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
 Project/Site: HANSEN STATE BATTERY

Job ID: 890-9516-1
 SDG: Lea County

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

Lab Sample ID: 880-68394-A-4-C MSD
 Matrix: Solid
 Analysis Batch: 132828

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 132073

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	965.7		mg/Kg		97	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	751.0		mg/Kg		75	70 - 130	0	20
Surrogate	%Recovery	MSD Qualifier	MSD	Limits							
1-Chlorooctane	105			70 - 130							
o-Terphenyl	101			70 - 130							

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-132226/1-A
 Matrix: Solid
 Analysis Batch: 132348

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			02/20/26 03:28	1

Lab Sample ID: LCS 880-132226/2-A
 Matrix: Solid
 Analysis Batch: 132348

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	251.6		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-132226/3-A
 Matrix: Solid
 Analysis Batch: 132348

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	252.3		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-68487-A-1-B MS
 Matrix: Solid
 Analysis Batch: 132348

Client Sample ID: Matrix Spike
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	24.7		250	285.2		mg/Kg		104	90 - 110

Lab Sample ID: 880-68487-A-1-C MSD
 Matrix: Solid
 Analysis Batch: 132348

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	24.7		250	286.3		mg/Kg		105	90 - 110	0	20

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
 Project/Site: HANSEN STATE BATTERY

Job ID: 890-9516-1
 SDG: Lea County

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-132211/1-A
 Matrix: Solid
 Analysis Batch: 132375

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			02/19/26 12:48	1

Lab Sample ID: LCS 880-132211/2-A
 Matrix: Solid
 Analysis Batch: 132375

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	236.0		mg/Kg		94	90 - 110

Lab Sample ID: LCSD 880-132211/3-A
 Matrix: Solid
 Analysis Batch: 132375

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	237.6		mg/Kg		95	90 - 110	1	20

Lab Sample ID: 880-68477-A-11-C MS
 Matrix: Solid
 Analysis Batch: 132375

Client Sample ID: Matrix Spike
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	586		249	836.7		mg/Kg		101	90 - 110

Lab Sample ID: 880-68477-A-11-D MSD
 Matrix: Solid
 Analysis Batch: 132375

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	586		249	838.5		mg/Kg		101	90 - 110	0	20

QC Association Summary

Client: Ensolum
 Project/Site: HANSEN STATE BATTERY

Job ID: 890-9516-1
 SDG: Lea County

GC VOA

Prep Batch: 132465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-132465/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 132659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9516-1	LS 01	Total/NA	Solid	8021B	132775
890-9516-2	LS 02	Total/NA	Solid	8021B	132775
890-9516-3	LS 03	Total/NA	Solid	8021B	132775
890-9516-4	LS 04	Total/NA	Solid	8021B	132775
MB 880-132465/5-A	Method Blank	Total/NA	Solid	8021B	132465
MB 880-132775/5-A	Method Blank	Total/NA	Solid	8021B	132775
LCS 880-132775/1-A	Lab Control Sample	Total/NA	Solid	8021B	132775
LCS 880-132775/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	132775
890-9516-1 MS	LS 01	Total/NA	Solid	8021B	132775
890-9516-1 MSD	LS 01	Total/NA	Solid	8021B	132775

Prep Batch: 132775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9516-1	LS 01	Total/NA	Solid	5035	
890-9516-2	LS 02	Total/NA	Solid	5035	
890-9516-3	LS 03	Total/NA	Solid	5035	
890-9516-4	LS 04	Total/NA	Solid	5035	
MB 880-132775/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-132775/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 880-132775/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9516-1 MS	LS 01	Total/NA	Solid	5035	
890-9516-1 MSD	LS 01	Total/NA	Solid	5035	

Analysis Batch: 132873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9516-1	LS 01	Total/NA	Solid	Total BTEX	
890-9516-2	LS 02	Total/NA	Solid	Total BTEX	
890-9516-3	LS 03	Total/NA	Solid	Total BTEX	
890-9516-4	LS 04	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 132073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9516-1	LS 01	Total/NA	Solid	8015NM Prep	
890-9516-2	LS 02	Total/NA	Solid	8015NM Prep	
890-9516-3	LS 03	Total/NA	Solid	8015NM Prep	
890-9516-4	LS 04	Total/NA	Solid	8015NM Prep	
MB 880-132073/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-132073/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCS 880-132073/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-68394-A-4-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-68394-A-4-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 132828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9516-1	LS 01	Total/NA	Solid	8015B NM	132073

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: HANSEN STATE BATTERY

Job ID: 890-9516-1
SDG: Lea County

GC Semi VOA (Continued)

Analysis Batch: 132828 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9516-2	LS 02	Total/NA	Solid	8015B NM	132073
890-9516-3	LS 03	Total/NA	Solid	8015B NM	132073
890-9516-4	LS 04	Total/NA	Solid	8015B NM	132073
MB 880-132073/1-A	Method Blank	Total/NA	Solid	8015B NM	132073
LCS 880-132073/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	132073
LCSD 880-132073/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	132073
880-68394-A-4-B MS	Matrix Spike	Total/NA	Solid	8015B NM	132073
880-68394-A-4-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	132073

Analysis Batch: 132918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9516-1	LS 01	Total/NA	Solid	8015 NM	
890-9516-2	LS 02	Total/NA	Solid	8015 NM	
890-9516-3	LS 03	Total/NA	Solid	8015 NM	
890-9516-4	LS 04	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 132211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9516-1	LS 01	Soluble	Solid	DI Leach	
MB 880-132211/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-132211/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-132211/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-68477-A-11-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-68477-A-11-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 132226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9516-2	LS 02	Soluble	Solid	DI Leach	
890-9516-3	LS 03	Soluble	Solid	DI Leach	
890-9516-4	LS 04	Soluble	Solid	DI Leach	
MB 880-132226/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-132226/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-132226/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-68487-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-68487-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 132348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9516-2	LS 02	Soluble	Solid	300.0	132226
890-9516-3	LS 03	Soluble	Solid	300.0	132226
890-9516-4	LS 04	Soluble	Solid	300.0	132226
MB 880-132226/1-A	Method Blank	Soluble	Solid	300.0	132226
LCS 880-132226/2-A	Lab Control Sample	Soluble	Solid	300.0	132226
LCSD 880-132226/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	132226
880-68487-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	132226
880-68487-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	132226

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: HANSEN STATE BATTERY

Job ID: 890-9516-1
SDG: Lea County

HPLC/IC

Analysis Batch: 132375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9516-1	LS 01	Soluble	Solid	300.0	132211
MB 880-132211/1-A	Method Blank	Soluble	Solid	300.0	132211
LCS 880-132211/2-A	Lab Control Sample	Soluble	Solid	300.0	132211
LCSD 880-132211/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	132211
880-68477-A-11-C MS	Matrix Spike	Soluble	Solid	300.0	132211
880-68477-A-11-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	132211

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Lab Chronicle

Client: Ensolum
 Project/Site: HANSEN STATE BATTERY

Job ID: 890-9516-1
 SDG: Lea County

Client Sample ID: LS 01

Lab Sample ID: 890-9516-1

Date Collected: 02/16/26 12:39

Matrix: Solid

Date Received: 02/17/26 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	132775	02/23/26 18:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132659	02/24/26 00:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132873	02/24/26 00:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			132918	02/24/26 20:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	132073	02/17/26 10:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132828	02/24/26 20:14	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	132211	02/18/26 10:36	SI	EET MID
Soluble	Analysis	300.0		1			132375	02/19/26 15:09	CS	EET MID

Client Sample ID: LS 02

Lab Sample ID: 890-9516-2

Date Collected: 02/16/26 12:43

Matrix: Solid

Date Received: 02/17/26 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	132775	02/23/26 18:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132659	02/24/26 00:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132873	02/24/26 00:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			132918	02/24/26 20:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	132073	02/17/26 10:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132828	02/24/26 20:28	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	132226	02/18/26 11:49	SI	EET MID
Soluble	Analysis	300.0		1			132348	02/20/26 06:34	CS	EET MID

Client Sample ID: LS 03

Lab Sample ID: 890-9516-3

Date Collected: 02/16/26 12:44

Matrix: Solid

Date Received: 02/17/26 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	132775	02/23/26 18:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132659	02/24/26 00:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132873	02/24/26 00:56	SA	EET MID
Total/NA	Analysis	8015 NM		1			132918	02/24/26 20:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	132073	02/17/26 10:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132828	02/24/26 20:42	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	132226	02/18/26 11:49	SI	EET MID
Soluble	Analysis	300.0		1			132348	02/20/26 06:41	CS	EET MID

Client Sample ID: LS 04

Lab Sample ID: 890-9516-4

Date Collected: 02/16/26 12:46

Matrix: Solid

Date Received: 02/17/26 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	132775	02/23/26 18:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132659	02/24/26 01:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132873	02/24/26 01:16	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: HANSEN STATE BATTERY

Job ID: 890-9516-1
SDG: Lea County

Client Sample ID: LS 04

Lab Sample ID: 890-9516-4

Date Collected: 02/16/26 12:46

Matrix: Solid

Date Received: 02/17/26 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			132918	02/24/26 20:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	132073	02/17/26 10:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132828	02/24/26 20:56	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	132226	02/18/26 11:49	SI	EET MID
Soluble	Analysis	300.0		1			132348	02/20/26 06:48	CS	EET MID

Laboratory References:

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Accreditation/Certification Summary

Client: Ensolum
Project/Site: HANSEN STATE BATTERY

Job ID: 890-9516-1
SDG: Lea County

Laboratory: Eurofins Midland

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

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

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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Ensolum
Project/Site: HANSEN STATE BATTERY

Job ID: 890-9516-1
SDG: Lea County

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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



Sample Summary

Client: Ensolum
Project/Site: HANSEN STATE BATTERY

Job ID: 890-9516-1
SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9516-1	LS 01	Solid	02/16/26 12:39	02/17/26 10:15	0.5'
890-9516-2	LS 02	Solid	02/16/26 12:43	02/17/26 10:15	0.5'
890-9516-3	LS 03	Solid	02/16/26 12:44	02/17/26 10:15	0.5'
890-9516-4	LS 04	Solid	02/16/26 12:46	02/17/26 10:15	0.5'

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3189



Environment Testing
 Xenco

Work Order No:

www.xenco.com Page 1 of 1

Work Order Comments

Program: UST/PST PRP Brownfields RRC Superfund

State of Project: Level II Level III P-ST/AUST TRRP Level IV

Deliverables: EDD ADaPT Other:

Project Manager: Alex Ferrell
 Company Name: Ensolum
 Address: 3122 National Parks Hwy
 City, State ZIP: Carlsbad, NM 88220
 Phone: 361-935-0996
 Email: aferrell@ensolum.com, kiennings@ensolum.com

Bill to: (if different) Billy Ginn
 Company Name: Hilcorp
 Address:
 City, State ZIP:

Project Name: Hansen State Battery
 Project Number: 03F1988006
 Project Location: Lea County
 Sampler's Name: Sherale Brooks
 PO #:

SAMPLE RECEIPT

Samples Received Intact: Yes No Thermometer ID: TMM 027
 Cooler Custody Seals: Yes No Correction Factor: -0.2
 Sample Custody Seals: Yes No Temperature Reading: 5.2
 Total Containers: Corrected Temperature: 5.0

Turn Around: Routine Rush
 Due Date: TAT starts the day received by the lab, if received by 4:30pm
 Wet Ice: Yes No

Preservative Codes:
 None: NO DI Water: H₂O
 Cool: Cool MeOH: Me
 HCL: HC HNO₃: HN
 H₂SO₄: H₂ NaOH: Na
 H₃PO₄: HP
 NaHSO₄: NABIS
 Na₂S₂O₃: NaSO₃
 Zn Acetate+NaOH: Zn
 NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Sample Comments
LS01	Soil	2/16/2026	12:39	0.5'	G	1	BTEX 8021 TPH 8015 Chloride 300	
LS02			12:43					
LS03			12:44					
LS04			12:46					

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
 Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$65.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Alex Ferrell</i>	<i>Billy Ginn</i>	2/17/2015			

Revised Date: 08/25/2020 Rev.: 2020.2



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Eurofins Carlsbad
 1089 N Canal St
 Carlsbad, NM 86220
 Phone 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A
Client Contact: N/A	Lab PM: Kramer, Jessica
Shipping/Receiving: N/A	E-Mail: Jessica.Kramer@et.eurofins.com
Company: Eurofins Environment Testing South Cent	Accreditations Required (See note): NELAP - Texas
Address: 1211 W. Florida Ave.	Carrier Tracking No(s): N/A
City: Midland	State of Origin: New Mexico
State/Zip: TX, 79701	COC No: 890-6526-1
Phone: 432-704-5440(Tel)	Page: Page 1 of 1
Email: N/A	Job #: 890-9516-1
Project Name: HANSEN STATE BATTERY	Preservation Codes:
Site: N/A	

Sample ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=Water, S=solid, O=Ovenstable, BT=Trace, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Analysis Requested	Total Number of Containers	Special Instructions/Note:
LS 01 (890-9516-1)	2/16/26	12:39	G	Solid	X	X	8015MOD_NM/8015NM_S_Prep(MOD) Full TPH	X	
LS 02 (890-9516-2)	2/16/26	12:43	G	Solid	X	X	8015MOD_Calc	X	
LS 03 (890-9516-3)	2/16/26	12:44	G	Solid	X	X	300_ORGFM_28D/DI_LEACHChloride	X	
LS 04 (890-9516-4)	2/16/26	12:46	G	Solid	X	X	8021B/5035FP_Calc(MOD) BTEX	X	
							Total_BTEX_GCV	X	

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/shipment, 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

Unclassified

Deliverable Requested: I, II, III, IV, Other (Specify) Primary Deliverable Rank 2

Special Instructions/QC Requirements

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For _____ Months

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: <i>[Signature]</i>	Date/Time: 2/17/26	Company:	Received by: <i>[Signature]</i>
Relinquished by:	Date/Time:	Company:	Received by:
Relinquished by:	Date/Time:	Company:	Received by:
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks	

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9516-1

SDG Number: Lea County

Login Number: 9516

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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.	N/A	Refer to Job Narrative for details.
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	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9516-1

SDG Number: Lea County

Login Number: 9516

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 02/18/26 08:29 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

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 566134

QUESTIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 566134
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2602034668
Incident Name	NAPP2602034668 HANSEN STATE BATTERY @ A-16-20S-37E
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	HANSEN STATE BATTERY
Date Release Discovered	01/19/2026
Surface Owner	State

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

Nature and Volume of Release	
<i>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.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Freeze Pump Produced Water Released: 30 BBL Recovered: 30 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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, Page 2

Action 566134

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 566134
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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: 03/24/2026
--	--

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, Page 3

Action 566134

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 566134
	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	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 500 and 1000 (ft.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
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	Low
A 100-year floodplain	Greater than 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
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	Yes
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	01/22/2026
On what date will (or did) the final sampling or liner inspection occur	02/16/2026
On what date will (or was) the remediation complete(d)	02/16/2026
What is the estimated surface area (in square feet) that will be remediated	3870
What is the estimated volume (in cubic yards) that will be remediated	0

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.

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, Page 4

Action 566134

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 566134
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
Is (or was) there affected material present needing to be removed	Yes
Is (or was) there a power wash of the lined containment area (to be) performed	Yes
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 03/24/2026
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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, Page 6

Action 566134

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 566134
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Liner Inspection Information	
Last liner inspection notification (C-141L) recorded	553029
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	02/16/2026
Was all the impacted materials removed from the liner	Yes
What was the liner inspection surface area in square feet	3870

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	Yes
What was the total surface area (in square feet) remediated	3870
What was the total volume (cubic yards) remediated	0
Summarize any additional remediation activities not included by answers (above)	Liner integrity inspection activities were conducted following a January 19, 2026, release of produced water within a secondary lined containment at the Site. A liner integrity inspection was conducted on behalf of Hilcorp, by Ensolum personnel on February 16, 2026. The results of the inspection indicated that the liner was operating as designed and the release was contained laterally by the lined containment walls.

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: 03/24/2026
--	--

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 566134

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 566134
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	The Liner Inspection and closure report is approved.	3/30/2026