

August 26, 2025

New Mexico Oil Conservation Division

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

Re: Remediation Report and Closure Request

Northeast Drinkard Unit #418 API#30-025-36366

Hilcorp Energy Company

NMOCD Violation No.: cEZB2134156009 NMOCD Incident No.: nAPP2522749785

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 Northeast Drinkard Unit #418 (Site). The Site is located on New Mexico State Trust Land (STL), managed by the New Mexico State Land Office (NMSLO), in Unit D, Section 10, Township 21 South, Range 37 East, Lea 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

Hilcorp retained Ensolum to investigate an open New Mexico Oil Conservation Division (NMOCD) violation (cEZB2134156009) resulting from a December 01, 2021, field inspection. The violation was issued to the former operator, Apache Corporation. No copy of the field inspection was available in the NMOCD database, and the only notes associated with the violation were as follows: "19.15.16.18 Well and Lease Equipment: Repair / replace leak source/s".

On July 31, 2025, Ensolum conducted a Site visit. At the time of the Site visit, there was no audio, visual, and/or olfactory signs of leaking equipment, and it appeared the leak source cited in the inspection violation had been repaired; however, there was stained soil observed around the well head and production equipment.

Ensolum returned to the Site on August 4, 2025, to collect investigation samples and identify the extent of the stained soil. Investigation samples confirmed the presence of impacted soil, but the volume was still unclear. Results of the initial investigation sampling are presented in Table 1.

Excavation activities commenced on August 8, 2025. The volume of impacted material excavated on August 8, 2025, exceeded 12 cubic yards, a volume the NMOCD considers to be the result of at least a 5-barrel (bbl) release, which is the reporting trigger of a minor or a major release. A release notification and subsequent C-141 were submitted to the NMOCD on August 15, 2025. The NMOCD has assigned the Site Incident Number nAPP2522749785.

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.

POTENTIAL SENSITIVE RECEPTORS

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

The nearest significant watercourse to the Site is a dry wash located approximately 3,043 feet northeast of the well pad. The nearest fresh water well is USGS well 322937103094501 (Appendix A), located approximately 1,126 feet west of the Site with a recorded depth to water of 58.14 feet below ground surface (bgs). USGS well 322937103094501 is located at an elevation of approximately 3,467 feet above mean sea level, which is approximately 5 feet higher in elevation than the Site. As such, depth to groundwater is estimated to be between 50 feet and 100 feet bgs. Of note, NMOSE well permit number CP-00165 is located 450 feet west of the Site; however, this well is not constructed.

The Site is greater than 200 feet from any lakebed, sinkhole, or playa lake, and greater than 300 feet from any wetland (Figure 1). No wellhead protection areas or springs are located within a ½-mile from the Site. A domestic/stock well is located 435 feet northwest from the Site (Figure 1). The Site is not within a 100-year floodplain, overlying a subsurface mine, or located within an area underlain by unstable geology (area designated as low potential karst by the Bureau of Land Management). Schools, hospitals, institutions, churches, and/or other occupied permanent residence or structures are not located within 300 feet of the Site; however, an occupied permanent residence is present 486 feet west 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

CULTURAL RESOURCE SURVEY

Since the release remained on pad, an assessment of cultural properties had already been completed prior to the construction of the well pad and as such, the Cultural Properties Protection Rule (CPP) has been followed. No additional cultural resource surveys were completed in connection with this release.



Page 3

ASSESSMENT SOIL SAMPLING ACTIVITIES

On August 4, 2025, a total of eight assessment soil samples (SS01 through SS08) were collected within the release extent at depths of 0.5 feet bgs. Samples SS01 through SS08 were collected to field screen and delineate the lateral extents of potential impacts based on visually stained soil around the pumpjack and wellhead.

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

Soil samples were collected directly into laboratory-provided jars and immediately placed on ice. Samples were submitted to Cardinal Laboratories 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, total GRO and DRO, and TPH concentrations exceeding the NMOCD Closure Criteria were encountered in five of the eight assessment soil samples: SS01, SS02, SS03, SS07, and SS08. All other COC concentrations were either not detected above laboratory reporting limits or were not detected above the applicable Closure Criteria in any other analyzed samples. A summary of analytical results is summarized in Table 1, with complete laboratory reports attached in Appendix C.

EXCAVATION SOIL SAMPLING ACTIVITIES

Excavation activities were conducted between August 8 and 21, 2025. Notification to the NMOCD was provided at least two business days prior to conducting confirmation sampling, with correspondence also attached in Appendix D. To direct excavation activities, Ensolum personnel field screened soil for VOCs and chloride in the same manner as described above.

Once field screening indicated impacted soil had been removed, five-point composite soil samples were collected from the floor (FS01 through FS14) and sidewalls where depth exceeded 0.5 feet bgs (SW01 through SW05). Composite samples were collected from the excavation at a frequency not exceeding one sample per 200 square feet. Floor samples were collected at depths ranging from 0.5 feet to 3 feet bgs, and all sidewall samples were collected at depths from the ground surface to 3 feet bgs. 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 Cardinal Laboratories for analysis of TPH, BTEX, and chloride using the methods described above.

Analytical results from the final excavation indicated concentrations of TPH, BTEX, and chloride were compliant with NMOCD Table I Closure Criteria and the reclamation requirement in all confirmation samples. In total, approximately 17 cubic yards of impacted soil was removed and properly disposed of at a State Of New Mexico permitted landfill. Soil sample results are summarized in Table 1 and Figure 2 with complete laboratory analytical reports attached as Appendix D. Photographs taken by Ensolum during the excavation work are presented in Appendix B.



RECLAMATION PLAN

The release remained on the well pad that is currently in operation for oil and gas production purposes. As such, the release area is not expected to be reclaimed until the oil and gas well is plugged and abandoned (P&A'd) and the well pad is reclaimed. The Reclamation Plan for this release will default to the NMSLO-approved Reclamation Plan for the well pad per 19.2.100.67 NMAC. Specifics related to the this release as they pertain to reclamation activities include:

- Approximately 17 cubic yards of impacted soil were excavated, transported, and properly disposed of at a State Of New Mexico permitted landfill;
- The excavation will be backfilled with locally sourced caliche to match the well pad's current grade;
- The backfilled area was not seeded since it is within the active well pad;
- Erosion control management is not necessary since the backfilled area is within the active well pad; and
- Backfilling of the excavation is tentatively scheduled for the week of September 1, 2025

Photographic documentation of backfilling will be provided to the NMSLO under a separate cover.

CLOSURE REQUEST

Site excavation and sampling activities were conducted at the Site to address the release reported on August 6, 2025, at the Site, following the investigation of a potential leaking source by NMOCD in 2021. Laboratory analytical results for the excavation confirmation soil samples, collected from the final excavation extent, indicated all COC concentrations were compliant with the Site Closure Criteria and the reclamation requirement, and no further remediation is required. Excavation of impacted soil has mitigated impacts at this Site, and these remedial actions have been protective of human health, the environment, and groundwater. As such, Hilcorp respectfully requests closure for Incident Number nAPP2522749785 and violation cEZB2134156009.

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**

Devin Hencmann Associate Principal Geologist

(970) 403-6023 dhencmann@ensolum.com

cc: NMSLO Hilcorp Daniel R. Moir, PG (licensed in WY & TX) Senior Managing Geologist (303) 887-2946 dmoir@ensolum.com



Hilcorp Energy Company Remediation Report and Closure Request Northeast Drinkard Unit #418

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Attachments:

Figure 1: Site Receptor Map

Figure 2: Assessment Soil Sample Locations Figure 3: Excavation Soil Sample Locations

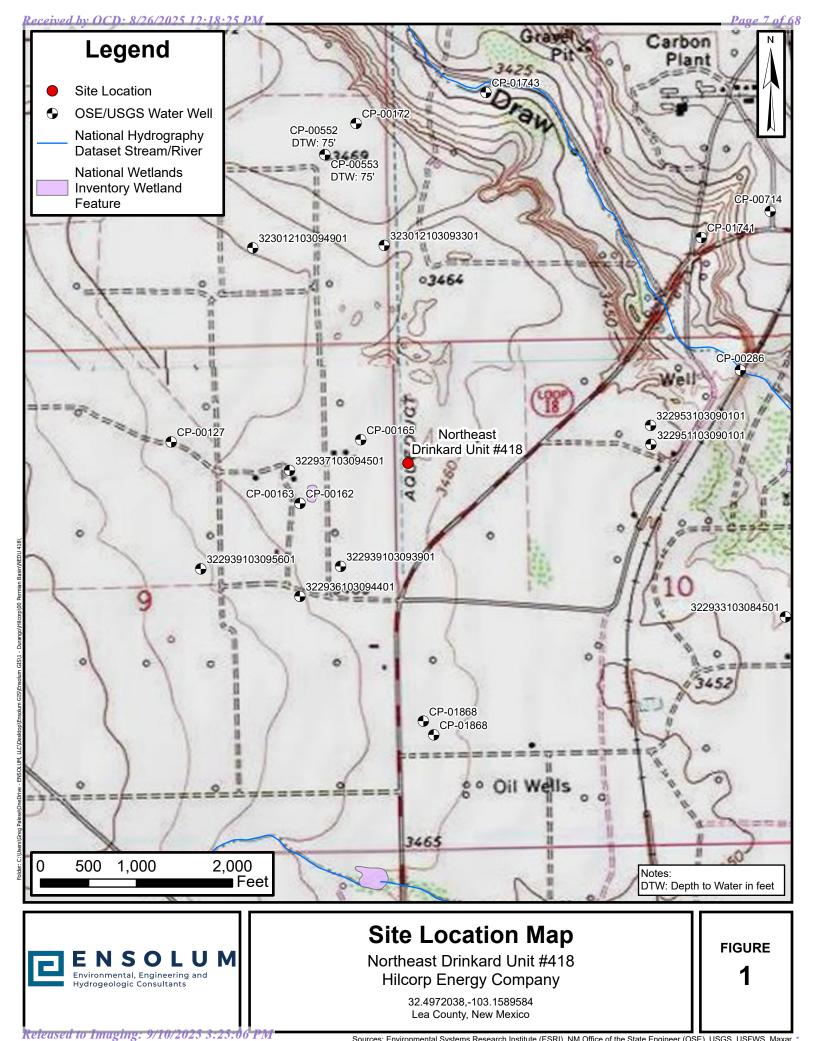
Table 1: Soil Sample Analytical Results

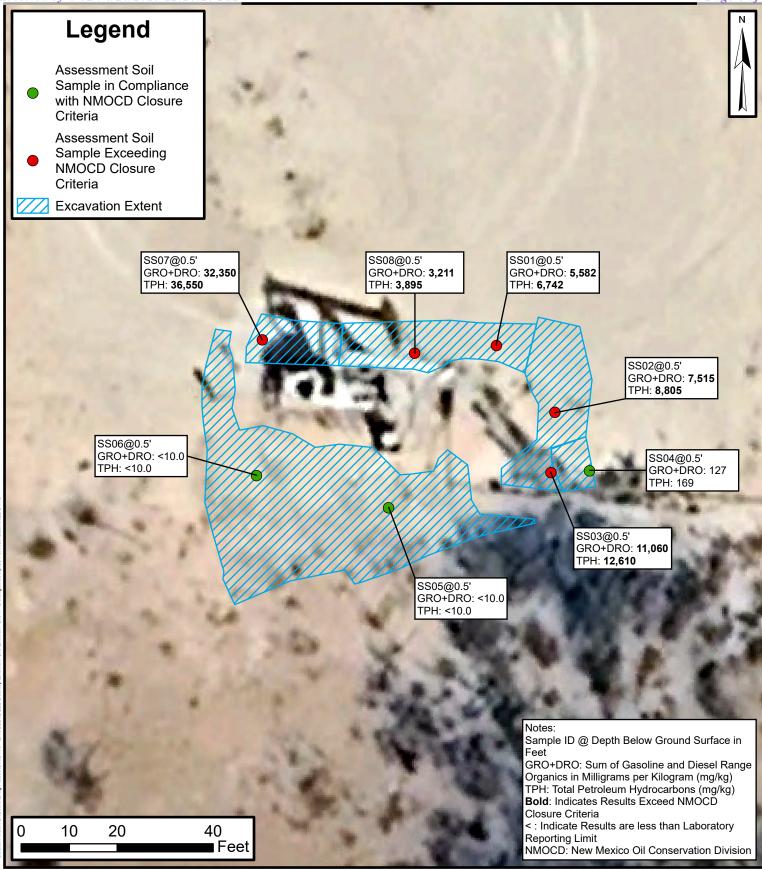
Appendix A: USGS Depth to Water
Appendix B: Photographic Log
Appendix C: Agency Correspondence

Appendix C: Agency Correspondence
Appendix D: Laboratory Analytical Reports



FIGURES





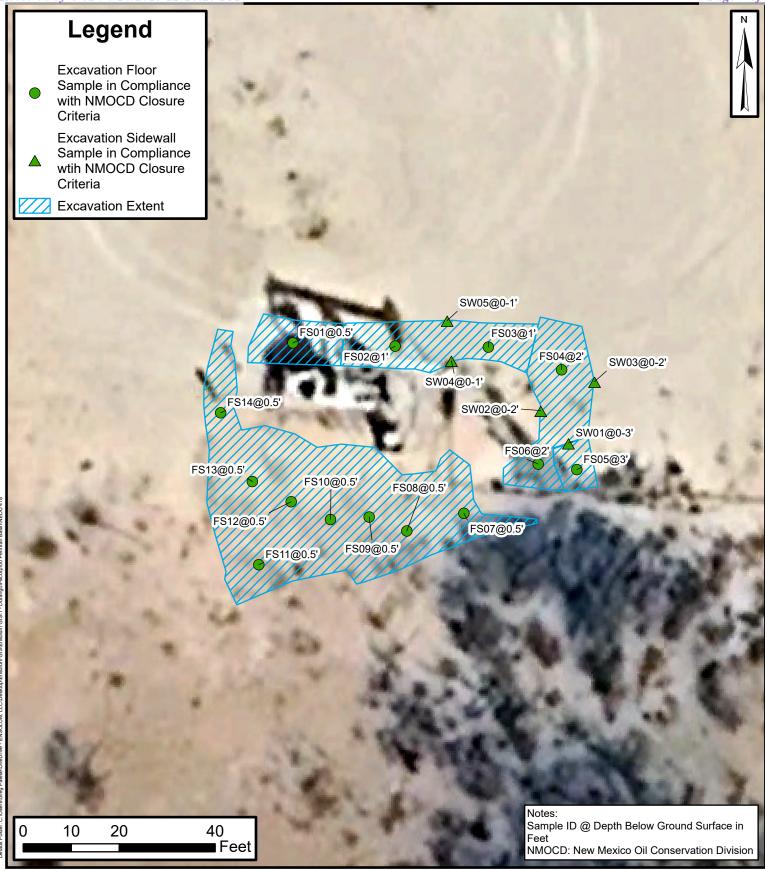


Assessment Soil Sample Locations

Northeast Drinkard Unit #418 Hilcorp Energy Company

> 32.4972038,-103.1589584 Lea County, New Mexico

FIGURE





Excavation Soil Sample Locations

Northeast Drinkard Unit #418 Hilcorp Energy Company

> 32.4972038,-103.1589584 Lea County, New Mexico

FIGURE 2



TABLES

Received by OCD: 8/26/2025 12:18:25 PM Page 11 of 68



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS NORTHEAST DRINKARD UNIT #418 Hilcorp Energy Company Lea County, New Mexico Total BTEX TPH GRO TPH DRO TPH ORO GRO+DRO Total TPH Depth Chloride Sample Benzene Date (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) **Designation** (feet bgs) (mg/kg) (mg/kg) NMOCD Table I Closure Criteria (NMAC 19.15.29) 10 50 NE NE NE 1,000 2,500 10,000 **Assessment Soil Samples** SS01-0.5' 8/4/2025 0.5' 212 5,370 1,160 5,582 6,742 1,200 SS02-0.5' 8/4/2025 0.5' 885 6,630 1,290 7,515 8,805 2,440 SS03-0.5' 8/4/2025 0.5' 1,980 9,080 1,550 11,060 12,610 896 --SS04-0.5' 0.5' 42.3 127 8/4/2025 <10.0 127 169 3,280 SS05-0.5' 8/4/2025 <10.0 <10.0 <10.0 <10.0 0.5' <10.0 96.0 SS06-0.5' 8/4/2025 0.5' <10.0 <10.0 <10.0 <10.0 <10.0 32.0 --8/4/2025 6,550 25,800 36,550 SS07-0.5' 0.5' 4,200 32,350 224 SS08-0.5' 8/4/2025 0.5' 11.2 3,200 684 3,211 3,895 4.800 **Excavation Soil Samples** 8/21/2025 0.5' < 0.300 <10.0 <10.0 <10.0 <10.0 <10.0 < 0.050 <16.0 FS01 0.5' 8/21/2025 1' < 0.050 < 0.300 <10.0 <10.0 <10.0 <10.0 <10.0 FS02 1' 144 1' <10.0 <10.0 <10.0 <10.0 <10.0 FS03 1' 8/21/2025 < 0.050 < 0.300 224 FS04 2' 8/21/2025 2' < 0.050 < 0.300 <10.0 <10.0 <10.0 <10.0 <10.0 <16.0 FS05 3' 8/21/2025 3' < 0.050 < 0.300 <10.0 <10.0 <10.0 <10.0 <10.0 80.0 8/21/2025 2' < 0.300 <10.0 <10.0 <10.0 <10.0 <10.0 < 0.050 FS06 2' <16.0 8/21/2025 0.5' < 0.050 < 0.300 <10.0 <10.0 <10.0 <10.0 <10.0 32.0 FS07 0.5' 8/21/2025 0.5' < 0.300 <10.0 <10.0 <10.0 <10.0 <10.0 FS08 0.5' < 0.050 16.0 8/21/2025 0.5' < 0.300 <10.0 <10.0 <10.0 <10.0 <10.0 FS09 0.5' < 0.050 32.0 FS10 0.5' 8/21/2025 0.5' < 0.050 < 0.300 <10.0 <10.0 <10.0 <10.0 <10.0 16.0 8/21/2025 0.5' < 0.300 <10.0 <10.0 <10.0 <10.0 <10.0 FS11 0.5' < 0.050 16.0 8/21/2025 0.5' < 0.300 <10.0 <10.0 <10.0 <10.0 <10.0 < 0.050 16.0 FS12 0.5' FS13 0.5' 8/21/2025 0.5' < 0.050 < 0.300 <10.0 <10.0 <10.0 <10.0 <10.0 48.0 0.5' <10.0 <10.0 <10.0 <10.0 8/21/2025 < 0.050 < 0.300 <10.0 FS14 0.5' 208 0'-3' 8/21/2025 < 0.050 < 0.300 <10.0 48.3 <10.0 48.3 48.3 SW01 0'-3' 16.0 8/21/2025 0'-2' < 0.050 < 0.300 <10.0 <10.0 <10.0 <10.0 <10.0 SW02 0'-2' 128 0'-2' 8/21/2025 < 0.300 <10.0 <10.0 <10.0 <10.0 <10.0 SW03 0'-2' < 0.050 64.0 0'-1' < 0.300 <10.0 <10.0 <10.0 <10.0 <10.0 SW04 0'-1' 8/21/2025 < 0.050 48.0 SW05 0'-1' 8/21/2025 0'-1' < 0.050 < 0.300 <10.0 <10.0 <10.0 <10.0 <10.0 48.0

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

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.

<: Indicates result less than the stated laboratory reporting limit (RL)</p>

': Feet

NE: Not Established



APPENDIX A

Water Well Data Summary



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Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs site_no list =

• 322937103094501

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 322937103094501 21S.37E.09.241211

Lea County, New Mexico

Table of data Tab-separated data

1986-03-07

1991-04-24

1991-04-24

Latitude 32°29'49", Longitude 103°09'45" NAD27

Land-surface elevation 3,466.60 feet above NGVD29

The depth of the well is 90 feet below land surface.

This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.

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

Output formats

Graph of data	<u>1</u>									
Reselect perio	od									
Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1965-11-30		D	62610		3403.50	NGVD29	1		Z	
1965-11-30		D	62611		3404.56	NAVD88	1		Z	
1965-11-30		D	72019	63.10			1		Z	
1970-12-16		D	62610		3403.59	NGVD29	1		Z	
1970-12-16		D	62611		3404.65	NAVD88	1		Z	
1970-12-16		D	72019	63.01			1		Z	
1976-01-22		D	62610		3404.91	NGVD29	1		Z	
1976-01-22		D	62611		3405.97	NAVD88	1		Z	
1976-01-22		D	72019	61.69			1		Z	
1981-02-26		D	62610		3407.40	NGVD29	1		Z	
1981-02-26		D	62611		3408.46	NAVD88	1		Z	
1981-02-26		D	72019	59.20			1		Z	
1986-03-07		D	62610		3409.76	NGVD29	1		Z	
1986-03-07		D	62611		3410.82	NAVD88	1		Z	

3411.06

3412.12

1

1

NGVD29

NAVD88

Z

Ζ

72019

62610

62611

56.84

D

D

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source (measure
1991-04-24		D	72019	55.54			1	Z	2	
1996-03-13		D	62610		3408.46	NGVD29	1	9	5	
1996-03-13		D	62611		3409.52	NAVD88	1	9	5	
1996-03-13		D	72019	58.14			1	S	5	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	А	Approved for publication Processing and review completed.

Questions or Comments <u>Help</u> Data Tips Explanation of terms
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Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2025-08-25 18:29:28 EDT

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Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs site_no list =

• 322939103093901

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 322939103093901 21S.37E.09.22430

D

D

D

Lea County, New Mexico

Table of data Tab-separated data

1968-03-12

1968-03-12

1968-03-12

Latitude 32°29'39", Longitude 103°09'39" NAD27

Land-surface elevation 3,468 feet above NAVD88

The depth of the well is 90 feet below land surface.

This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.

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

Output formats

iau-separate	D-Separated data									
Graph of data	raph of data									
Reselect peri	<u>od</u>									
Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source (measure
1965-11-30		D	62610		3405.30	NGVD29	1	2	Z	
1965-11-30		D	62611		3406.36	NAVD88	1	2	Z	
1965-11-30		D	72019	61.64			1	2	7	

Explanation

3405.45

3406.51

61.49

NGVD29

NAVD88

1

1

Ζ

Ζ

Ζ

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static

62610

62611

72019

Section	Code	Description
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	Α	Approved for publication Processing and review completed.

Questions or Comments

<u>Help</u>

Data Tips

Explanation of terms

Subscribe for system changes

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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: <u>USGS Water Data Support Team</u> Page Last Modified: 2025-08-25 18:31:53 EDT

0.38 0.32 nadww02





APPENDIX B

Agency Sampling Notificaiton

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 496721

QUESTIONS

ı	Operator:	OGRID:
ı	HILCORP ENERGY COMPANY	372171
ı	1111 Travis Street	Action Number:
ı	Houston, TX 77002	496721
ı		Action Type:
ı		[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites				
Incident ID (n#)	nAPP2522749785			
Incident Name	NAPP2522749785 NORTHEAST DRINKARD UNIT #418 @ 30-025-36366			
Incident Type	Other			
Incident Status	Initial C-141 Approved			
Incident Well	[30-025-36366] NORTHEAST DRINKARD UNIT #418			

Location of Release Source				
Site Name	Northeast Drinkard Unit #418			
Date Release Discovered	08/06/2025			
Surface Owner	State			

Sampling Event General Information	Sampling Event General Information				
Please answer all the questions in this group.					
What is the sampling surface area in square feet	3,800				
What is the estimated number of samples that will be gathered	20				
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/21/2025				
Time sampling will commence	08:00 AM				
Please provide any information necessary for observers to contact samplers	Contact PM Kalei Jennings, 817-683-2503				
Please provide any information necessary for navigation to sampling site	NORTHEAST DRINKARD UNIT #418 (nAPP2522749785) 32.497368,-103.159067				

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 496721

CONDITIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	496721
	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.	8/18/2025
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.	8/18/2025



APPENDIX C

Photographic Log



Photographic Log

Hilcorp Energy Company Northeast Drinkard Unit #418 API #30-025-36366





Photograph: 1 Date: 7/31/2025

Description: Location Sign

View: South

Photograph: 2 Date: 7/31/2025

Description: Top soil staining in release footprint

View: Northeast





Photograph: 3 Date: 7/31/2025

Description: Top soil staining at wellhead

View: Southeast

Photograph: 4 Date: 8/8/2025

Description: Excavation activities

View: East



Photographic Log

Hilcorp Energy Company Northeast Drinkard Unit #418 API #30-025-36366





Photograph: 5

Description: Excavation activities

View: East

8/8/2025 Date:

Photograph: 6

Description: FS01-03 View: Southeast

Date: 8/21/2025



APPENDIX D

Laboratory Analytical Reports



August 06, 2025

DEVIN HENCMANN

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: NORTHEAST DRINKARD UNIT #418

Enclosed are the results of analyses for samples received by the laboratory on 08/04/25 14:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accredited certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Total Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2 Regulated VOCs and Total Trihalomethanes (TTHM)

Method EPA 552.2 Total Haloacetic Acids (HAA-5)

Celey D. Keene

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY

CARLSBAD NM, 88220

Project: NORTHEAST DRINKARD UNIT #41

Project Number: 07A1988313

Project Manager: DEVIN HENCMANN

Fax To:

Reported: 06-Aug-25 09:16

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS 01 0.5'	H254741-01	Soil	04-Aug-25 12:46	04-Aug-25 14:30
SS 02 0.5'	H254741-02	Soil	04-Aug-25 12:47	04-Aug-25 14:30
SS 03 0.5'	H254741-03	Soil	04-Aug-25 12:50	04-Aug-25 14:30
SS 04 0.5'	H254741-04	Soil	04-Aug-25 12:51	04-Aug-25 14:30
SS 05 0.5'	H254741-05	Soil	04-Aug-25 12:55	04-Aug-25 14:30
SS 06 0.5'	H254741-06	Soil	04-Aug-25 12:57	04-Aug-25 14:30
SS 07 0.5'	H254741-07	Soil	04-Aug-25 12:58	04-Aug-25 14:30
SS 08 0.5'	H254741-08	Soil	04-Aug-25 12:59	04-Aug-25 14:30

Case Narrative:

Samples were received on ice at 9.1C the same day as sampling. Samples did not have enough time to reach 6C and below.

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220

Project: NORTHEAST DRINKARD UNIT #41

Reported: 06-Aug-25 09:16 Project Number: 07A1988313

Project Manager: DEVIN HENCMANN

Fax To:

SS 01 0.5' H254741-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	1200		16.0	mg/kg	4	5080527	AC	05-Aug-25	4500-Cl-B	
Petroleum Hydrocarbons by	GC FID									S-06
GRO C6-C10*	212		50.0	mg/kg	5	5080424	MS	05-Aug-25	8015B	
DRO >C10-C28*	5370		50.0	mg/kg	5	5080424	MS	05-Aug-25	8015B	
EXT DRO >C28-C36	1160		50.0	mg/kg	5	5080424	MS	05-Aug-25	8015B	
Surrogate: 1-Chlorooctane		·	120 %	44.4	-145	5080424	MS	05-Aug-25	8015B	
Surrogate: 1-Chlorooctadecane			237 %	40.6	-153	5080424	MS	05-Aug-25	8015B	

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Analytical Results For:

Project Number: 07A1988313

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: NORTHEAST DRINKARD UNIT #41

DRINKARD UNIT #41 Reported: 06-Aug-25 09:16

Project Manager: DEVIN HENCMANN

Fax To:

SS 02 0.5' H254741-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	2440		16.0	mg/kg	4	5080527	AC	05-Aug-25	4500-Cl-B	
Petroleum Hydrocarbons by	GC FID									S-06
GRO C6-C10*	885		50.0	mg/kg	5	5080424	MS	05-Aug-25	8015B	
DRO >C10-C28*	6630		50.0	mg/kg	5	5080424	MS	05-Aug-25	8015B	
EXT DRO >C28-C36	1290		50.0	mg/kg	5	5080424	MS	05-Aug-25	8015B	
Surrogate: 1-Chlorooctane			160 %	44.4	-145	5080424	MS	05-Aug-25	8015B	
Surrogate: 1-Chlorooctadecane			228 %	40.6	-153	5080424	MS	05-Aug-25	8015B	

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: NORTHEAST DRINKARD UNIT #41

Reported: 06-Aug-25 09:16

Project Number: 07A1988313

Project Manager: DEVIN HENCMANN

Fax To:

SS 03 0.5' H254741-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	896		16.0	mg/kg	4	5080527	AC	05-Aug-25	4500-Cl-B	
Petroleum Hydrocarbons by	GC FID									S-06
GRO C6-C10*	1980		50.0	mg/kg	5	5080424	MS	05-Aug-25	8015B	
DRO >C10-C28*	9080		50.0	mg/kg	5	5080424	MS	05-Aug-25	8015B	
EXT DRO >C28-C36	1550		50.0	mg/kg	5	5080424	MS	05-Aug-25	8015B	
Surrogate: 1-Chlorooctane			293 %	44.4	-145	5080424	MS	05-Aug-25	8015B	
Surrogate: 1-Chlorooctadecane			173 %	40.6	-153	5080424	MS	05-Aug-25	8015B	

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220

Project: NORTHEAST DRINKARD UNIT #41

Reported:

Project Number: 07A1988313

06-Aug-25 09:16

Project Manager: DEVIN HENCMANN

Fax To:

SS 04 0.5' H254741-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	3280		16.0	mg/kg	4	5080527	AC	05-Aug-25	4500-Cl-B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5080424	MS	05-Aug-25	8015B	
DRO >C10-C28*	127		10.0	mg/kg	1	5080424	MS	05-Aug-25	8015B	
EXT DRO >C28-C36	42.3		10.0	mg/kg	1	5080424	MS	05-Aug-25	8015B	
Surrogate: 1-Chlorooctane			89.9 %	44.4	-145	5080424	MS	05-Aug-25	8015B	
Surrogate: 1-Chlorooctadecane			92.0 %	40.6	-153	5080424	MS	05-Aug-25	8015B	

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220

Project: NORTHEAST DRINKARD UNIT #41

Reported:

Project Number: 07A1988313

06-Aug-25 09:16

Project Manager: DEVIN HENCMANN

Fax To:

SS 05 0.5' H254741-05 (Soil)

Analyte	Result		orting imit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardinal l	Laborato	ries					
Inorganic Compounds										
Chloride	96.0	1	6.0	mg/kg	4	5080527	AC	05-Aug-25	4500-Cl-B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0	1	0.0	mg/kg	1	5080424	MS	05-Aug-25	8015B	
DRO >C10-C28*	<10.0	1	0.0	mg/kg	1	5080424	MS	05-Aug-25	8015B	
EXT DRO >C28-C36	<10.0	1	0.0	mg/kg	1	5080424	MS	05-Aug-25	8015B	
Surrogate: 1-Chlorooctane			87.4 %	44.4-1	45	5080424	MS	05-Aug-25	8015B	
Surrogate: 1-Chlorooctadecane			84.1 %	40.6-1	53	5080424	MS	05-Aug-25	8015B	

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220

Project: NORTHEAST DRINKARD UNIT #41

Reported: 06-Aug-25 09:16 Project Number: 07A1988313

Project Manager: DEVIN HENCMANN

Fax To:

SS 06 0.5' H254741-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	5080527	AC	05-Aug-25	4500-Cl-B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5080424	MS	05-Aug-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5080424	MS	05-Aug-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5080424	MS	05-Aug-25	8015B	
Surrogate: 1-Chlorooctane			91.2 %	44.4	-145	5080424	MS	05-Aug-25	8015B	
Surrogate: 1-Chlorooctadecane			88.0 %	40.6	-153	5080424	MS	05-Aug-25	8015B	

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: NORTHEAST DRINKARD UNIT #41

Project Number: 07A1988313

Project Manager: DEVIN HENCMANN

Fax To:

Reported: 06-Aug-25 09:16

SS 07 0.5' H254741-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Labora	tories					
Inorganic Compounds										
Chloride	224		16.0	mg/kg	4	5080527	AC	05-Aug-25	4500-Cl-B	
Petroleum Hydrocarbons by	GC FID									S-06
GRO C6-C10*	6550		50.0	mg/kg	5	5080424	MS	05-Aug-25	8015B	
DRO >C10-C28*	25800		50.0	mg/kg	5	5080424	MS	05-Aug-25	8015B	
EXT DRO >C28-C36	4200		50.0	mg/kg	5	5080424	MS	05-Aug-25	8015B	
Surrogate: 1-Chlorooctane			729 %	44.4	-145	5080424	MS	05-Aug-25	8015B	
Surrogate: 1-Chlorooctadecane			558 %	40.6	-153	5080424	MS	05-Aug-25	8015B	

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220

Surrogate: 1-Chlorooctadecane

Project: NORTHEAST DRINKARD UNIT #41

IIT #41 Reported: 06-Aug-25 09:16

8015B

05-Aug-25

Project Number: 07A1988313
Project Manager: DEVIN HENCMANN

Fax To:

SS 08 0.5' H254741-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	4800		16.0	mg/kg	4	5080527	AC	05-Aug-25	4500-Cl-B	
Petroleum Hydrocarbons by	GC FID									S-04
GRO C6-C10*	11.2		10.0	mg/kg	1	5080424	MS	05-Aug-25	8015B	
DRO >C10-C28*	3200		10.0	mg/kg	1	5080424	MS	05-Aug-25	8015B	
EXT DRO >C28-C36	684		10.0	mg/kg	1	5080424	MS	05-Aug-25	8015B	
Surrogate: 1-Chlorooctane			91.6 %	44.4	-145	5080424	MS	05-Aug-25	8015B	

163 %

40.6-153

5080424

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220

Project: NORTHEAST DRINKARD UNIT #41

Reported: 06-Aug-25 09:16

Project Number: 07A1988313

Project Manager: DEVIN HENCMANN

Fax To:

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
	Tresure	2		20101	1000010	701220	2		2	11000
Batch 5080527 - 1:4 DI Water										
Blank (5080527-BLK1)				Prepared &	Analyzed:	05-Aug-25				
Chloride	ND	16.0	mg/kg							
LCS (5080527-BS1)				Prepared &	Analyzed:	05-Aug-25				
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (5080527-BSD1)				Prepared &	: Analyzed:	05-Aug-25				
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	

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%REC

Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: NORTHEAST DRINKARD UNIT #41

Project Number: 07A1988313

Source

Project Manager: DEVIN HENCMANN

Spike

Fax To:

Reported: 06-Aug-25 09:16

RPD

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 5080424 - General Prep - Organics										
Blank (5080424-BLK1)				Prepared: (04-Aug-25	Analyzed: ()5-Aug-25			
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	46.7		mg/kg	50.0		93.3	44.4-145			
Surrogate: 1-Chlorooctadecane	44.0		mg/kg	50.0		88.0	40.6-153			
LCS (5080424-BS1)				Prepared: (04-Aug-25	Analyzed: ()5-Aug-25			
GRO C6-C10	238	10.0	mg/kg	200		119	81.5-123			
DRO >C10-C28	226	10.0	mg/kg	200		113	77.7-122			
Total TPH C6-C28	464	10.0	mg/kg	400		116	80.9-121			
Surrogate: 1-Chlorooctane	51.8		mg/kg	50.0		104	44.4-145			
Surrogate: 1-Chlorooctadecane	50.9		mg/kg	50.0		102	40.6-153			
LCS Dup (5080424-BSD1)				Prepared: (04-Aug-25	Analyzed: ()5-Aug-25			
GRO C6-C10	229	10.0	mg/kg	200		115	81.5-123	3.81	13	
DRO >C10-C28	217	10.0	mg/kg	200		108	77.7-122	4.10	15.6	
Total TPH C6-C28	446	10.0	mg/kg	400		111	80.9-121	3.95	18.5	
Surrogate: 1-Chlorooctane	46.4		mg/kg	50.0		92.8	44.4-145			
Surrogate: 1-Chlorooctadecane	45.2		mg/kg	50.0		90.4	40.6-153			

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Page 14 of 14



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name:	any Name: Ensolum, LLC et Manager: Devin Henchann										£	211	L TO		ge 1	07	\									
Project Manager:	Devin Henchann								P. 0	0. #.	-	dida	£#42		+	Т	_	<u> </u>	AN	ALYS	SIS R	EQUE	ST			
	ational Parks Hwy								\vdash			C.	Solyn	111	1											
		ate: NM	7ir	882	20				A#	n. /	illy.	PA	170100	,	1											
Phone #: 97		x #:		. 002	-20			-	ALL	n.)	3110	n 1	denina	200	-											
Project #: 07A\								-						Parks Hu	2											
Project Name: No	Wheast Drinkard			110				-		_	1752															
Project Location	Strong Transic	100-011	+ "	110)								Zip: 88 ?			(00	1									
Sampler Name:	32,4972038,-103,15	282284						-	Ph	one	#: ^G	10	0-015-1	1803	-	20										
FOR LAB USE ONLY	Jacob Harrison		_	_			FDIV	_	_	x #:		_			5											ξ1
		l	۵.	П	Т		TRIX				SER		SAME	LING	100											
Lab I.D.	Sample I.D.	Sample Depth	G)RAB OR (C)OM	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL (O nex .	DATE	TIME	TPH (8	Chlacid										
	5501	0.5	G	Ш		1					/	8	14/25	1540							\top			\top	_	+
3	5502	0,5	G	Н		1					\	8	14/25	1547									\top	1		+1
3	SS 03	2.0	G	Н	4						\	8	14/25	1520												\forall
5	SSOY	0,5	G	Н	1				_		\			1521								. 80				\top
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LEASE NOTE: Liability and Dar	mages. Cardinal's liability and client's exclusive	romadu for any ale		L																			-	+		

analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits inci-

6.4	Relinquished Ry:	e of services hereunder by Cardinal, requ	pardless of whether such claim is based upo	a any of the above the d	t, its subsidiaries,			
5	Relinquished By:	Date: Re	ceived By:	if any of the above stated reaso	Verbal Result:	es 🗆 No Ad	d'I Phone #:	
202	Lacal Horovison	8-4-35 Time:			All Results are emailed.		mail address:	
797	Relinquished By:	1430	parias		jharrison@ensolum.com	m / Abeninan	all gardensolmason	Kjennings Densolym Lor
8	Tromiquished by,	Date: Red	ceived By:		REMARKS:	Christian Indian	1100113019/1.00/	1) 1120 milled Brown cold
Ö		Time:						
ŏ	Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY:	Turnaround Time:	Ctanda d	, _	*
by	Sampler - UPS - Bus - Other:	Corrected Temp. 8.8	0 1 1 1 1	(Initials)	rumaround rime:	Standard Rush	/ Bacteria (only) S Cool Intact	Sample Condition Observed Temp. °C
ped	FORM-006 R 3.6 02/12/25	Corrected Temp. °C	Yes Yes		Thermometer ID #140 Correction Factor +0.3°C	48-45	☐ Yes ☐ Yes	
ei.		† Cardinal canno	ot accept verbal changes				□ No □ No	Corrected Temp. °C
Rec			or more per rondar orianges	. I lease eman cha	inges to celey.keene@	gcardinallabsnm.	com	



August 25, 2025

KALEI JENNINGS

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: NEDU #418

Enclosed are the results of analyses for samples received by the laboratory on 08/22/25 10:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Celey D. Keine

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM KALEI JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/22/2025
Reported: 08/25/2025

Project Name: NEDU #418
Project Number: 07A1988313
Project Location: 32.4972-103.1590

Sampling Date: 08/21/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS01 0.5' (H255246-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2025	ND	1.65	82.6	2.00	5.77	
Toluene*	<0.050	0.050	08/22/2025	ND	1.78	88.9	2.00	4.16	
Ethylbenzene*	<0.050	0.050	08/22/2025	ND	1.83	91.7	2.00	2.87	
Total Xylenes*	<0.150	0.150	08/22/2025	ND	5.42	90.4	6.00	2.76	
Total BTEX	<0.300	0.300	08/22/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.6	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/22/2025	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2025	ND	222	111	200	1.22	
DRO >C10-C28*	<10.0	10.0	08/22/2025	ND	220	110	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	08/22/2025	ND					
Surrogate: 1-Chlorooctane	103	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	103	% 40.6-15	3						

A I J D. ... 711

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Celey D. Keine



Analytical Results For:

ENSOLUM KALEI JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/22/2025 Reported:

08/25/2025

Project Name: NEDU #418 Project Number: 07A1988313 Project Location: 32.4972-103.1590 Sampling Date: 08/21/2025

Sampling Type: Soil Sampling Condition:

Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: FS02 1' (H255246-02)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2025	ND	1.65	82.6	2.00	5.77	
Toluene*	<0.050	0.050	08/22/2025	ND	1.78	88.9	2.00	4.16	
Ethylbenzene*	<0.050	0.050	08/22/2025	ND	1.83	91.7	2.00	2.87	
Total Xylenes*	<0.150	0.150	08/22/2025	ND	5.42	90.4	6.00	2.76	
Total BTEX	<0.300	0.300	08/22/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	91.2	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/22/2025	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2025	ND	222	111	200	1.22	
DRO >C10-C28*	<10.0	10.0	08/22/2025	ND	220	110	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	08/22/2025	ND					
Surrogate: 1-Chlorooctane	106 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	107 9	% 40.6-15	3						

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Celeg D. Freene



Analytical Results For:

ENSOLUM KALEI JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/22/2025 Reported: 08/25/2025

08/25/2025 NEDU #418 07A1988313

ma/ka

Project Location: 32.4972-103.1590

Sampling Date: 08/21/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS03 1' (H255246-03)

Project Name:

RTFY 8021R

Project Number:

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2025	ND	1.65	82.6	2.00	5.77	
Toluene*	<0.050	0.050	08/22/2025	ND	1.78	88.9	2.00	4.16	
Ethylbenzene*	<0.050	0.050	08/22/2025	ND	1.83	91.7	2.00	2.87	
Total Xylenes*	<0.150	0.150	08/22/2025	ND	5.42	90.4	6.00	2.76	
Total BTEX	<0.300	0.300	08/22/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.4	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/22/2025	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2025	ND	222	111	200	1.22	
DRO >C10-C28*	<10.0	10.0	08/22/2025	ND	220	110	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	08/22/2025	ND					
Surrogate: 1-Chlorooctane	102	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	101	% 40.6-15	3						

Analyzed By: 14

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Celeg D. Freene



Analytical Results For:

ENSOLUM KALEI JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/22/2025 Reported:

08/25/2025

Project Name: NEDU #418 Project Number: 07A1988313 Project Location: 32.4972-103.1590 Sampling Date: 08/21/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: FS04 2' (H255246-04)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2025	ND	1.65	82.6	2.00	5.77	
Toluene*	<0.050	0.050	08/22/2025	ND	1.78	88.9	2.00	4.16	
Ethylbenzene*	<0.050	0.050	08/22/2025	ND	1.83	91.7	2.00	2.87	
Total Xylenes*	<0.150	0.150	08/22/2025	ND	5.42	90.4	6.00	2.76	
Total BTEX	<0.300	0.300	08/22/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.7	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/22/2025	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2025	ND	222	111	200	1.22	
DRO >C10-C28*	<10.0	10.0	08/22/2025	ND	220	110	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	08/22/2025	ND					
Surrogate: 1-Chlorooctane	98.6	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	99.6	% 40.6-15	3						

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Celeg D. Freene



Analytical Results For:

ENSOLUM KALEI JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/22/2025 Reported:

Sampling Date: 08/21/2025 08/25/2025 Sampling Type: Soil

Project Name: NEDU #418 Project Number: 07A1988313 Project Location: 32.4972-103.1590 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: FS05 3' (H255246-05)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2025	ND	1.65	82.6	2.00	5.77	
Toluene*	<0.050	0.050	08/22/2025	ND	1.78	88.9	2.00	4.16	
Ethylbenzene*	<0.050	0.050	08/22/2025	ND	1.83	91.7	2.00	2.87	
Total Xylenes*	<0.150	0.150	08/22/2025	ND	5.42	90.4	6.00	2.76	
Total BTEX	<0.300	0.300	08/22/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/22/2025	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2025	ND	222	111	200	1.22	
DRO >C10-C28*	<10.0	10.0	08/22/2025	ND	220	110	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	08/22/2025	ND					
Surrogate: 1-Chlorooctane	108 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	108 9	% 40.6-15	3						

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Celey D. Keine



Analytical Results For:

ENSOLUM KALEI JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/22/2025 Reported:

08/25/2025 NEDU #418

Project Number: 07A1988313 Project Location: 32.4972-103.1590 Sampling Date: 08/21/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: FS06 2' (H255246-06)

Project Name:

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2025	ND	1.65	82.6	2.00	5.77	
Toluene*	<0.050	0.050	08/22/2025	ND	1.78	88.9	2.00	4.16	
Ethylbenzene*	< 0.050	0.050	08/22/2025	ND	1.83	91.7	2.00	2.87	
Total Xylenes*	<0.150	0.150	08/22/2025	ND	5.42	90.4	6.00	2.76	
Total BTEX	<0.300	0.300	08/22/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	91.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/25/2025	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2025	ND	222	111	200	1.22	
DRO >C10-C28*	<10.0	10.0	08/22/2025	ND	220	110	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	08/22/2025	ND					
Surrogate: 1-Chlorooctane	102 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	102 9	% 40.6-15	3						

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Celeg D. Freene



Analytical Results For:

ENSOLUM KALEI JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/22/2025 Reported:

08/25/2025 NEDU #418 07A1988313

Project Location: 32.4972-103.1590 Sampling Date: 08/21/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: FS07 0.5' (H255246-07)

Project Name:

Project Number:

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2025	ND	1.65	82.6	2.00	5.77	
Toluene*	<0.050	0.050	08/22/2025	ND	1.78	88.9	2.00	4.16	
Ethylbenzene*	<0.050	0.050	08/22/2025	ND	1.83	91.7	2.00	2.87	
Total Xylenes*	<0.150	0.150	08/22/2025	ND	5.42	90.4	6.00	2.76	
Total BTEX	<0.300	0.300	08/22/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.6	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/25/2025	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2025	ND	222	111	200	1.22	
DRO >C10-C28*	<10.0	10.0	08/22/2025	ND	220	110	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	08/22/2025	ND					
Surrogate: 1-Chlorooctane	104 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	104 9	% 40.6-15	3						

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Celeg D. Freene



Analytical Results For:

ENSOLUM KALEI JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/22/2025 Reported: 08/25/2025

08/25/2025 NEDU #418 07A1988313

Project Location: 32.4972-103.1590

Sampling Date: 08/21/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS08 0.5' (H255246-08)

Project Name:

Project Number:

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2025	ND	1.65	82.6	2.00	5.77	
Toluene*	<0.050	0.050	08/22/2025	ND	1.78	88.9	2.00	4.16	
Ethylbenzene*	<0.050	0.050	08/22/2025	ND	1.83	91.7	2.00	2.87	
Total Xylenes*	<0.150	0.150	08/22/2025	ND	5.42	90.4	6.00	2.76	
Total BTEX	<0.300	0.300	08/22/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.8	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/25/2025	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2025	ND	222	111	200	1.22	
DRO >C10-C28*	<10.0	10.0	08/22/2025	ND	220	110	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	08/22/2025	ND					
Surrogate: 1-Chlorooctane	106	% 44.4-14	75						
Surrogate: 1-Chlorooctadecane	105	% 40.6-15	3						

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Celey D. Keine



Analytical Results For:

ENSOLUM KALEI JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/22/2025 Reported:

08/25/2025

NEDU #418

Project Number: Project Location:

Project Name:

07A1988313 32.4972-103.1590 Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By: 08/21/2025 Soil

Cool & Intact Tamara Oldaker

Sample ID: FS09 0.5' (H255246-09)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2025	ND	1.65	82.6	2.00	5.77	
Toluene*	<0.050	0.050	08/22/2025	ND	1.78	88.9	2.00	4.16	
Ethylbenzene*	<0.050	0.050	08/22/2025	ND	1.83	91.7	2.00	2.87	
Total Xylenes*	<0.150	0.150	08/22/2025	ND	5.42	90.4	6.00	2.76	
Total BTEX	<0.300	0.300	08/22/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/25/2025	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2025	ND	222	111	200	1.22	
DRO >C10-C28*	<10.0	10.0	08/22/2025	ND	220	110	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	08/22/2025	ND					
Surrogate: 1-Chlorooctane	102	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	102	% 40.6-15	3						

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Celeg D. Keene



Analytical Results For:

ENSOLUM KALEI JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/22/2025 Reported: 08/25/2025

08/25/2025 NEDU #418

ma/ka

Project Name: NEDU #418
Project Number: 07A1988313
Project Location: 32.4972-103.1590

Sampling Date: 08/21/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS10 0.5' (H255246-10)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2025	ND	1.65	82.6	2.00	5.77	
Toluene*	<0.050	0.050	08/22/2025	ND	1.78	88.9	2.00	4.16	
Ethylbenzene*	<0.050	0.050	08/22/2025	ND	1.83	91.7	2.00	2.87	
Total Xylenes*	<0.150	0.150	08/22/2025	ND	5.42	90.4	6.00	2.76	
Total BTEX	<0.300	0.300	08/22/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.8	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/25/2025	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2025	ND	222	111	200	1.22	
DRO >C10-C28*	<10.0	10.0	08/22/2025	ND	220	110	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	08/22/2025	ND					
Surrogate: 1-Chlorooctane	93.4	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	95.6	% 40.6-15	3						

Applyzod By: 14

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Analytical Results For:

ENSOLUM KALEI JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/22/2025 Reported:

08/25/2025

ma/ka

Project Name: NEDU #418 Project Number: 07A1988313 Project Location: 32.4972-103.1590 Sampling Date: 08/21/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: FS11 0.5' (H255246-11)

RTFY 8021R

B1EX 8021B	mg,	r Kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2025	ND	1.65	82.6	2.00	5.77	
Toluene*	<0.050	0.050	08/22/2025	ND	1.78	88.9	2.00	4.16	
Ethylbenzene*	<0.050	0.050	08/22/2025	ND	1.83	91.7	2.00	2.87	
Total Xylenes*	<0.150	0.150	08/22/2025	ND	5.42	90.4	6.00	2.76	
Total BTEX	<0.300	0.300	08/22/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.2	% 71.5-13	4						
aloride, SM4500Cl-B mg/kg		/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/25/2025	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2025	ND	222	111	200	1.22	
DRO >C10-C28*	<10.0	10.0	08/22/2025	ND	220	110	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	08/22/2025	ND					
Surrogate: 1-Chlorooctane	100 :	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	101	% 40.6-15	3						

Applyzod By: 14

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Analytical Results For:

ENSOLUM KALEI JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/22/2025 Reported:

08/25/2025

Project Name: NEDU #418 Project Number: 07A1988313 Project Location: 32.4972-103.1590 Sampling Date: 08/21/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: FS12 0.5' (H255246-12)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2025	ND	1.60	79.9	2.00	8.91	
Toluene*	<0.050	0.050	08/22/2025	ND	1.78	89.1	2.00	8.60	
Ethylbenzene*	<0.050	0.050	08/22/2025	ND	1.87	93.5	2.00	7.81	
Total Xylenes*	<0.150	0.150	08/22/2025	ND	5.74	95.6	6.00	7.40	
Total BTEX	<0.300	0.300	08/22/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/25/2025	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2025	ND	222	111	200	1.22	
DRO >C10-C28*	<10.0	10.0	08/22/2025	ND	220	110	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	08/22/2025	ND					
Surrogate: 1-Chlorooctane	103 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	102 9	% 40.6-15	3						

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Analytical Results For:

ENSOLUM KALEI JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/22/2025 Reported:

08/25/2025 NEDU #418 07A1988313

Project Location: 32.4972-103.1590 Sampling Date: 08/21/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: FS13 0.5' (H255246-13)

Project Name:

Project Number:

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2025	ND	1.60	79.9	2.00	8.91	
Toluene*	<0.050	0.050	08/22/2025	ND	1.78	89.1	2.00	8.60	
Ethylbenzene*	<0.050	0.050	08/22/2025	ND	1.87	93.5	2.00	7.81	
Total Xylenes*	<0.150	0.150	08/22/2025	ND	5.74	95.6	6.00	7.40	
Total BTEX	<0.300	0.300	08/22/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/25/2025	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2025	ND	222	111	200	1.22	
DRO >C10-C28*	<10.0	10.0	08/22/2025	ND	220	110	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	08/22/2025	ND					
Surrogate: 1-Chlorooctane	100 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	98.8	% 40.6-15	3						

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Celeg D. Freene



08/21/2025

Analytical Results For:

ENSOLUM KALEI JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/22/2025

 08/22/2025
 Sampling Date:

 08/25/2025
 Sampling Type:

Reported:08/25/2025Sampling Type:SoilProject Name:NEDU #418Sampling Condition:Cool & IntactProject Number:07A1988313Sample Received By:Tamara Oldaker

Project Location: 32.4972-103.1590

Sample ID: FS14 0.5' (H255246-14)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2025	ND	1.60	79.9	2.00	8.91	
Toluene*	<0.050	0.050	08/22/2025	ND	1.78	89.1	2.00	8.60	
Ethylbenzene*	< 0.050	0.050	08/22/2025	ND	1.87	93.5	2.00	7.81	
Total Xylenes*	<0.150	0.150	08/22/2025	ND	5.74	95.6	6.00	7.40	
Total BTEX	<0.300	0.300	08/22/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	08/25/2025	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2025	ND	222	111	200	1.22	
DRO >C10-C28*	<10.0	10.0	08/22/2025	ND	220	110	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	08/22/2025	ND					
Surrogate: 1-Chlorooctane	94.8	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	94.3	% 40.6-15	3						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

ENSOLUM KALEI JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/22/2025 Reported:

08/25/2025

Project Name: NEDU #418 Project Number: 07A1988313 Project Location: 32.4972-103.1590 Sampling Date: 08/21/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: SW01 0'-3' (H255246-15)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2025	ND	1.60	79.9	2.00	8.91	
Toluene*	<0.050	0.050	08/22/2025	ND	1.78	89.1	2.00	8.60	
Ethylbenzene*	<0.050	0.050	08/22/2025	ND	1.87	93.5	2.00	7.81	
Total Xylenes*	<0.150	0.150	08/22/2025	ND	5.74	95.6	6.00	7.40	
Total BTEX	<0.300	0.300	08/22/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/25/2025	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2025	ND	222	111	200	1.22	
DRO >C10-C28*	48.3	10.0	08/22/2025	ND	220	110	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	08/22/2025	ND					
Surrogate: 1-Chlorooctane	104 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	107 9	% 40.6-15	3						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

ENSOLUM KALEI JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/22/2025 Reported: 08/25/2025

08/25/2025 NEDU #418 07A1988313

 Project Number:
 07A1988313

 Project Location:
 32.4972-103.1590

Sampling Date: 08/21/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW02 0'-2' (H255246-16)

Project Name:

RTFY 8021R

Result <0.050 <0.050	Reporting Limit 0.050	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
	0.050	00/22/2025			,	rrac value qe	KFD	Qualifier
<0.050		08/22/2025	ND	1.60	79.9	2.00	8.91	
ne* <0.050 0.050		08/22/2025	ND	1.78	89.1	2.00	8.60	
<0.050	0.050	08/22/2025	ND	1.87	93.5	2.00	7.81	
s* <0.150 0.150		08/22/2025	ND	5.74	95.6	6.00	7.40	
<0.300	0.300	08/22/2025	ND					
113 9	% 71.5-13	4						
mg/	'kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
128	16.0	08/25/2025	ND	432	108	400	0.00	
mg/	'kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	08/22/2025	ND	222	111	200	1.22	
<10.0	10.0	08/22/2025	ND	220	110	200	1.60	
<10.0	10.0	08/22/2025	ND					
91.1	% 44.4-14	5						
89.5	% 40.6-15	3						
	<0.150 <0.300 113 9 mg/ Result 128 mg/ Result <10.0 <10.0 <10.0	<0.150 0.150 <0.300 0.300 113 % 71.5-13 mg/kg Result Reporting Limit 128 16.0 mg/kg Result Reporting Limit <10.0 10.0 <10.0 10.0 <10.0 10.0 <10.0 10.0 444.4-14	<0.150	<0.150 08/22/2025 ND 1/3 % 71.5-134 The standard of	<0.150	<0.150 0.150 08/22/2025 ND 5.74 95.6 <0.300 0.300 08/22/2025 ND 5.74 95.6 113 % 71.5-134 Meg/k Analyzed By: AC Result Reporting Limit Analyzed By: MS % Recovery Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery <10.0	<0.150 0.150 08/22/2025 ND 5.74 95.6 6.00 1/13 ⋅ √ 71.5-134 Mg/kg Analyzed By: AC Result Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 128 16.0 08/25/2025 ND 432 108 400 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC < 10.0 10.0 08/22/2025 ND 222 111 200 < 10.0 10.0 08/22/2025 ND 220 110 200 - 10.0 10.0 08/22/2025 ND 220 110 200 - 91.1 ⋅ √ 44.4-145	<0.150

Applyzod By: 14

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Analytical Results For:

ENSOLUM KALEI JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/22/2025 Reported:

08/25/2025 NEDU #418

Project Name: Project Number: 07A1988313 Project Location: 32.4972-103.1590 Sampling Date: 08/21/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: SW03 0'-2' (H255246-17)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2025	ND	1.60	79.9	2.00	8.91	
Toluene*	<0.050	0.050	08/22/2025	ND	1.78	89.1	2.00	8.60	
Ethylbenzene*	<0.050	0.050	08/22/2025	ND	1.87	93.5	2.00	7.81	
Total Xylenes*	<0.150	0.150	08/22/2025	ND	5.74	95.6	6.00	7.40	
Total BTEX	<0.300	0.300	08/22/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500Cl-B	5M4500Cl-B mg/kg		Analyze	d By: AC					
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/25/2025	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2025	ND	222	111	200	1.22	
DRO >C10-C28*	<10.0	10.0	08/22/2025	ND	220	110	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	08/22/2025	ND					
Surrogate: 1-Chlorooctane	101	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	101	% 40.6-15	3						

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Analytical Results For:

ENSOLUM KALEI JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/22/2025 Reported: 08/25/2025

08/25/2025

Project Name: NEDU #418
Project Number: 07A1988313
Project Location: 32.4972-103.1590

Sampling Date: 08/21/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW04 0'-1' (H255246-18)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2025	ND	1.60	79.9	2.00	8.91	
Toluene*	<0.050	0.050	08/22/2025	ND	1.78	89.1	2.00	8.60	
Ethylbenzene*	< 0.050	0.050	08/22/2025	ND	1.87	93.5	2.00	7.81	
Total Xylenes*	<0.150	0.150	08/22/2025	ND	5.74	95.6	6.00	7.40	
Total BTEX	<0.300	0.300	08/22/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/25/2025	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2025	ND	222	111	200	1.22	
DRO >C10-C28*	<10.0	10.0	08/22/2025	ND	220	110	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	08/22/2025	ND					
Surrogate: 1-Chlorooctane	88.2	% 44.4-14	75						
Surrogate: 1-Chlorooctadecane	86.4	% 40.6-15	3						

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Analytical Results For:

ENSOLUM KALEI JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/22/2025 Reported: 08/25/2025

08/25/2025 NEDU #418 07A1988313

Project Location: 32.4972-103.1590

Sampling Date: 08/21/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW05 0'-1' (H255246-19)

Project Name:

Project Number:

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2025	ND	1.60	79.9	2.00	8.91	
Toluene*	<0.050	0.050	08/22/2025	ND	1.78	89.1	2.00	8.60	
Ethylbenzene*	< 0.050	0.050	08/22/2025	ND	1.87	93.5	2.00	7.81	
Total Xylenes*	<0.150	0.150	08/22/2025	ND	5.74	95.6	6.00	7.40	
Total BTEX	<0.300	0.300	08/22/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/25/2025	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2025	ND	222	111	200	1.22	
DRO >C10-C28*	<10.0	10.0	08/22/2025	ND	220	110	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	08/22/2025	ND					
Surrogate: 1-Chlorooctane	102	% 44.4-14	15						
Surrogate: 1-Chlorooctadecane	99.1	% 40.6-15	3						

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Notes and Definitions

BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

company Name: Ensolum, LLC							BILL TO P.O. #:								ANAL	YSIS	REC	QUES	Т		
Droiget Manager	t Manager: Kalei Jennings ss: 3122 National Parks Home																				
a la a	Nater rennings								1=	1 11	1										
		1/44	_		3	-		pariy.	-13	solva, U											
City: Corlsbas		ate: NM Z	ip: 88	8220		_	Attn:	-		2											
	-500-7775 Fax				-	- 1	Addr	ess:3	121	2 Nati PK	5 Hury										
Project #: 07A/	988313 Pro	ject Owner:	Hile	gro			City:	Carl	56a	d											
Project Name: /										ip: 882										3-4	
	32.4972, -103	1590				F	Phon	ne #: 8	844	1-500	-7775										
	npler Name: Jaras A Carley						Fax #														
FOR LAB USE ONLY	I MA							RESER	RV.	SAMP	LING		_	4500							
Lab I.D. H255246	Sample I.D.		(G)RAB OR (C)OM # CONTAINERS	GROUNDWATER	SOIL	SLUDGE	OTHER:	ICE / COOL	OTHER:	DATE	TIME	TPH 8015	BTEX 8021	Chlorida 4							
1	F501	0.5	CI				1	/	8	8/21/25		/				-		-	-	\vdash	
2	F502	1'	11		1		1	1	1	1	1251		-		-	-	-	-			
3	FS 03 FS 04	1'	Ш						_		1321				_		_	-	_		
4	FS 04	2'									1215										
5	FSOS	3'									1336						_				
6	F506	2'									1214										
5	F507	0.5'									1324										
8	F508	0.5'									1323										
9	F509	0.5'									1209										
h	F510	0,51	\downarrow				V		V	1322	V	A	V								
PLEASE NOTE: Liability and	E: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by talims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after con										by the client for completion of the	the ne applical	ole								

service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

Relinquished By:	Date:	lawara A	dated	Verbal Result: Yes No Add'l Phone #: All Results are emailed. Please provide Email address: Kjennings@ensolvm.com Dhonemana@ensolvm.com Jmccauley@ensolvm.com	
Relinquished By:		ved By:		REMARKS: 4 APP 2522749785	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: FORM-006 R 3.6 02/12/25	Observed Temp. °C O, 1	Sample Condition Cool Intact Yes Yes No No	(Initials)	Turnaround Time: 24% Standard Rush Thermometer ID #140 Correction Factor +0.3°C Standard Rush Cool Intact Observed Temp. °C Yes Yes No No Corrected Temp. °C	esento con

Received by OCD: 8/26/2025 12:18:25 PM

Page 23 of 23

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 2

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name:	mpany Name: Ensolum, LLC Dject Manager: Kalei Jennings						BILL TO								ANA	LYSIS	RE	QUES	T			
								P.	0. #:													
								-	_		-	solun LL	1									
	- National Parks Hu	-4			-110	22				iiiy.	ns	solva LL										
City: Carlshad		tate: //M	Zip	: 8	82	20		At														
Phone #: 844	-500-7775 Fax	x #:						Ac	dres	ss: J	5/2	2 Noth. F	tisting									
	1988313 Pro	oject Owner:	H	ilco	p					erls												
Project Name: /	VEDU#118											Zip: 882										
	:32.4972, -103	.1590						Pł	none	#: 8	4	4-500-	7775									
	Jarad McCarley							Fa	x #:													
FOR LAB USE ONLY				MATRIX				_	PRI	SER	٧.	SAMP	LING			0						
Lab I.D.	Sample I.D.	Sample Depth	G)RAB OR (C)OM	# CONTAINERS	SROUNDWATER	SOIL	OIL	OTHER:	OTHER: ACID/BASE: OTHER: OTHER:				TPH 8615	BTEX 8021	Chloride 4500							
11035074	FSII	0,5'	C	1		/				/		8/21/25	1038	/								
12	FS11 FS12	6.5	Ĭ	T		1				1	1	1	1046	1	1	1						
12	FS13	0.5'		П							1		1036									
13	F514	A 5'	H	H							1		0943									
15	SWOI	0.5'	I	11							1		1335									
(3)		0'-2'	H	H					t		1		1331									
14	5W0Z	0'-2'	Н	Н		+		+	t		1		1333									
57	5W03 5W04	0'-2'	Н	Н				-	+		1		1328			H						
18		0-1'		1		1		1330				1	V	V		1						
19	5w05	0-1	-	Ľ		-		1770											-	-		
	d Damages, Cardinal's liability and client's ex	rclusive remedy for a	ny clai	m arisi	arising whether based in contract or tort, shall be limited to the amount paid by the client for the						r the			 				_				

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Relinquished By:	100 \ HIIIIII Valent	Verbal Result: Yes No Add'l Phone #: All Results are emailed. Please provide Email address: Kjennings Bensolum. Com Phenemann Bensolum. com Traccarles Bensolum.com
Relinquished By:	Date: Received By: Time:	REMARKS: APP 25 22 7 49 78 5
Delivered By: (Circle One) Sampler - UPS - Bus - Other: FORM-006 R 3.6 02/12/25	Observed Temp. °C O Cool Intact (Initials) Corrected Temp. °C O COOL Intact (Initials)	Turnaround Time: 24h Standard Rush Thermometer ID #140 Correction Factor +0.3°C Standard Rush Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes No No Corrected Temp. °C

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 499364

QUESTIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	499364
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2522749785
Incident Name	NAPP2522749785 NORTHEAST DRINKARD UNIT #418 @ 30-025-36366
Incident Type	Other
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-36366] NORTHEAST DRINKARD UNIT #418

Location of Release Source	
Please answer all the questions in this group.	
Site Name Northeast Drinkard Unit #418	
Date Release Discovered	08/06/2025
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Cause: Other Other (Specify) Other (Specify) Released: 15 BBL Recovered: 0 BBL Lost: 15 BBL.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Historical impacts in soil were discovered during a site visit to resolve NMOCD Inspection/Incident Number cEZB2134156009. Soil samples were collected to assess TPH and chloride concentrations and indicated concentrations exceeding the NMOCD Closure Critiera, confirming a historical release had occurred. Liquid volume and type of release are unknown; however soil removal produced approximately 15 cubic yards of impacted material for off-site disposal indicating a minor release.

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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, Page 2

Action 499364

QUESTI	IONS (continued)
Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171 Action Number: 499364 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.	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 s The source of the release has been stopped	safety hazard that would result in injury. 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.
	idation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releating the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are require ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface it does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 08/26/2025

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

General Information Phone: (505) 629-6116 Online Phone Directory

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

QUESTIONS, Page 3

Action 499364

QUESTIONS (continued)

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	499364
	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 51 and 75 (ft.)	
What method was used to determine the depth to ground water	U.S. Geological Survey	
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 ½ and 1 (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Between 300 and 500 (ft.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)	
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)	
A wetland	Between 500 and 1000 (ft.)	
A subsurface mine	Between ½ and 1 (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	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination as	ssociated 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 millig	grams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	4800	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	36550	
GRO+DRO (EPA SW-846 Method 8015M)	32350	
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	08/08/2025	
On what date will (or did) the final sampling or liner inspection occur	08/21/2025	
On what date will (or was) the remediation complete(d)	08/21/2025	
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	2600	
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.		

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

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

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

QUESTIONS, Page 4

Action 499364

QUESTIONS (continued)

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	499364
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

4020110110	
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	fJEG1635837006 SUNDANCE WEST
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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

I hereby agree and sign off to the above statement

I hereby agree and sign off to the above statement

Email: shyde@ensolum.com
Date: 08/26/2025

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

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QUESTIONS, Page 5

Action 499364

QUESTIONS (continued)

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	499364
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 499364

QUESTIONS (continued)

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	499364
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	496721
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/21/2025
What was the (estimated) number of samples that were to be gathered	20
What was the sampling surface area in square feet	3800

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all re	emediation 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	2600
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)	N/A

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

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

Name: Stuart Hyde
Title: Senior Geologist
Email: shyde@ensolum.com
Date: 08/26/2025

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QUESTIONS, Page 7

Action 499364

QUESTIONS (continued)

Operator:	OGRID:
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1111 Travis Street	Action Number:
Houston, TX 77002	499364
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 499364

CONDITIONS

Operator:	OGRID:
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	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Create By	d Condition	Condition Date
nvel	z None	9/10/2025