

Spill Volume(Bbls) Calculator		
Inputs in <i>blue</i> , Outputs in <i>red</i>		
Length(Ft)	Width(Ft)	Depth(In)
242.000	176.000	0.250
Cubic Feet Impacted		887.333
Barrels		158.03
Soil Type	Clay/Sand	
Bbls Assuming 100% Saturation		23.70
Saturation	Fluid present with shovel/backhoe	
Estimated Barrels Released		23.80000

### Instructions

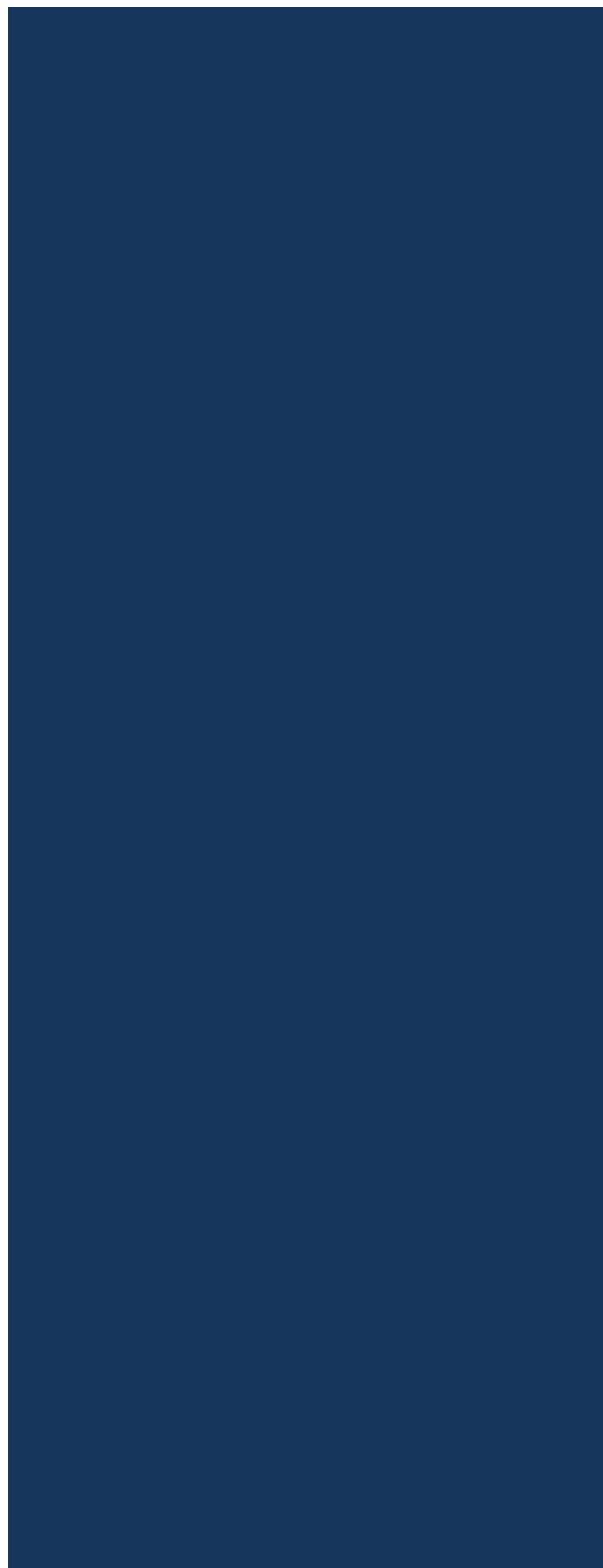
1. Input spill measurements below. Length and width need to be input in feet and depth in inches.
2. Select a soil type from the drop down menu.
3. Select a saturation level from the drop down menu.

(For data gathering instructions see appendix tab)

### Measurements

Length (ft)	242
Width (ft)	176
Depth (in)	0.250









October 7, 2025

NMSLO  
Tami Knight  
Carlsbad, NM 88220

NMOCD District 2  
Mr. Mike Bratcher  
Artesia, NM 88210

**Re: Site Assessment, Remediation, and Closure Request**  
**Red Lake 32 St #2H**  
**API No. 30-015-44948**  
**GPS: Latitude 32.784483 Longitude -104.29264**  
**U/L "P," Sec. 32, T17S, R27E**  
**Eddy County, NM**  
**NMOCD Ref. No. NAPP2509728439**

Paragon Environmental LLC (Paragon) has been contracted by Spur Energy Partners (Spur) to conduct a spill assessment and remediation activities at the Red Lake 32 St. #2H (Red Lake) release site. Details of the release are summarized below:

Release Details		
Type of Release:	Crude Oil & Produced Water	Volume of Release: 22 bbls PW & 2 bbls Crude Oil
		Volume Recovered: 21 bbls PW & 1 bbls Crude Oil
Source of Release:	Well Packing Failed	Date of Release: 04/03/2025
Was Immediate Notice Given?	No	If, Yes, to Whom? NMOCD Portal
Was a Watercourse Reached?	No	If Yes, Volume Impacting Watercourse: N/A
Surface Owner:	State	Mineral Owner: State
Packing failed on the wellhead releasing an oil and produced water mix on the location pad.		

Topographical and Wetlands Maps are provided in Figures #2 and #4.

## REGULATORY FRAMEWORK & SITE CHARACTERIZATION

Surface impacts from unauthorized releases of fluids or gases are generally regulated by the New Mexico Oil Conservation Division (NMOCD) in accordance with 19.15.29 of the New Mexico Administrative Code (NMAC). 19.15.29 NMAC establishes reporting, site assessment/characterization, remediation, closure, variance, and enforcement procedures. Table I of 19.15.29.12 NMAC determines the closure criteria for soils impacted by a release based on depth to groundwater and the following characteristics:

- Depth to Groundwater in the affected area 26-50'
- Method to determine DTW USGS
- Did the release impact groundwater or surface water NO

Depth to groundwater information is provided in Appendix A.

What are the minimum distances between the closest lateral extents of the release and the following surface areas:

- A continuously flowing watercourse or any other significant watercourse- 1-5 miles
- Any lakebed, sinkhole, or playa lake- 1-5 mi
- An occupied permanent residence, school, hospital, institution, or church- 1-5 mi
- A spring or a private domestic fresh water well used by less than 5 households for domestic or stock watering purposes- 1-5 mi
- Any other fresh water well or spring- 1-5 mi
- Incorporated municipal boundaries or a defined municipal fresh water well field- 1-5 mi
- A wetland- 1-5 mi
- A subsurface mine- >5 mi
- An (non-karst) unstable area- ½-1 mi
- Categorize the risk of this well/site being in a karst area geology- High
- A 100-year floodplain- 1-5 mi
- Did the release impact areas not on an exploration, development, production, or storage site- no

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the Artesia Group (Guadalupian)—Shelf facies forming a broad south-southeast trending outcrop from Glorieta to the Artesia area; includes Tansill, Yates, Seven Rivers, Queen, and Grayburg Formations (Guadalupian). May locally include Moenkopi Formation (Triassic) at top (PAT). The soil in this area is composed of the Reeves-Gypsum Land Complex, characterized by slopes ranging from 0 to 3 percent, according to the United States Department of Agriculture's Natural Resources Conservation Service. The drainage course in this area is well-drained.

The Soil Survey and FEMA Flood Map are provided in Appendix B. A Karst Map is provided in Figure #3.

### INITIAL SITE ASSESSMENT

On April 15, 2025, Paragon visited the Red Lake and conducted an initial site assessment, obtaining soil samples. During the initial site assessment, eight (8) soil samples were collected in the spill zone. An additional thirteen (13) samples were collected to delineate horizontally. A table summarizing the titration results from the the soil samples collected during the above-stated activities is provided below.

4-15-25 Field Sample Results

Field Testing		
Sample Date: 4-15-25		
Sample ID	Depth (BGS)	CHLORIDES
S-1	2'	284
S-2	2'	284
S-3	2'	284
S-4	2'	284
S-5	2'	284
S-6	4'	425
S-7	4'	284
S-8	4'	425
HZ-1	SURFACE	ND
HZ-2	SURFACE	ND
HZ-3	SURFACE	ND
HZ-4	SURFACE	ND
HZ-5	SURFACE	ND
HZ-6	SURFACE	ND
HZ-7	SURFACE	ND
HZ-8	SURFACE	ND
HZ-9	SURFACE	ND
HZ-10	SURFACE	ND
HZ-11	SURFACE	ND
HZ-12	SURFACE	ND
HZ-13	SURFACE	ND

ND- Analyte Not Detected

A Site Map is provided in Figure #1.

## REMEDIATION ACTIVITIES

On May 27, 2025, Paragon mobilized personnel and equipment to begin the remediation at the Red Lake. The remediation consisted of the following:

In the areas from S-1 to S-5, we excavated to a depth of 2 feet BGS. These areas measured approximately 5800 s/f. We excavated approximately 430 c/y of material.

In the areas from S-6 to S-8, we excavated to a depth of 4 feet BGS. These areas measured approximately 2000 s/f. We excavated approximately 296 c/y.

A sampling notification was submitted to the NMOCD on June 30, 2025, for a sampling event conducted on July 3, 2025. The bottom samples were representative of no more than 200 sq/ft, and the sidewall samples were obtained within 50 feet. The results of these sampling events are in the following data tables:

7-3-25 Confirmation Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')							
Sample Date 7/3/24	Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg				Closure Criteria 100 mg/kg	Closure Criteria 600 mg/kg
Sample ID	BTEX	Benzene	GRO	DRO	EXT	Total TPH	CHLORIDES
S - 1 2'	<0.300	<0.050	<10.0	28.7	<10.0	28.7	880
S - 2 2'	<0.300	<0.050	<10.0	28.9	<10.0	28.9	864
S - 3 2'	<0.300	<0.050	<10.0	28.5	<10.0	28.5	816
S - 4 2'	<0.300	<0.050	<10.0	24.8	<10.0	24.8	672
S - 5 2'	<0.300	<0.050	<10.0	20.6	<10.0	20.6	544
S - 6 2'	<0.300	<0.050	<10.0	20.0	<10.0	20	624
S - 7 2'	<0.300	<0.050	<10.0	13.0	<10.0	13	496
S - 8 2'	<0.300	<0.050	<10.0	13.2	<10.0	13.2	640
S - 9 2'	<0.300	<0.050	<10.0	21.5	<10.0	21.5	560
S - 10 2'	<0.300	<0.050	<10.0	18.4	<10.0	18.4	560
S - 11 2'	<0.300	<0.050	<10.0	18.6	<10.0	18.6	592
S - 12 2'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	240
S - 13 2'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	240
S - 14 2'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	272
S - 15 2'	<0.300	<0.050	<10.0	12.7	<10.0	12.7	304
S - 16 2'	<0.300	<0.050	<10.0	14.5	<10.0	14.5	304
S - 17 2'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	416
S - 18 2'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	352
S - 19 2'	<0.300	<0.050	<10.0	21.9	<10.0	21.9	320
S - 20 2'	<0.300	<0.050	<10.0	15.4	<10.0	15.4	352
S - 21 2'	<0.300	<0.050	<10.0	11.1	<10.0	11.1	368
S - 22 2'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	416
S - 23 2'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	432
S - 24 2'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	496
S - 25 2'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	464
S - 26 2'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	192
S - 27 2'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	128
S - 28 2'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	208

S - 29 2'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	144
S - 30 2'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	144
S - 31 2'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	96.0
S - 32 2'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	128
S - 33 4'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	144
S - 34 4'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	144
S - 35 4'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	112
S - 36 4'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	144
S - 37 4'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	144
S - 38 4'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	128
S - 39 4'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	176
S - 40 4'	<0.300	<0.050	<10.0	23.5	<10.0	23.5	176
S - 41 4'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	160
S - 42 4'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	112
NSW - 1 2'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	96.0
ESW - 1 2'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	112
ESW - 2 2'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	96.0
ESW - 3 2'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	112
SSW - 1 2'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	112
WSW - 1 2'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	112
WSW - 2 2'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	96.0
NSW - 2 4'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	144
NSW - 3 4'	<0.300	<0.050	<10.0	179	33.7	212.7	1570
NSW - 4 4'	<0.300	<0.050	<10.0	136	21.3	157.3	768
ESW - 4 4'	<0.300	<0.050	<10.0	246	59.2	305.2	1090
ESW - 5 4'	<0.300	<0.050	<10.0	115	20.4	135.4	816
SSW - 2 4'	<0.300	<0.050	<10.0	87.7	13.7	101.4	832
SSW - 3 4'	<0.300	<0.050	<10.0	96.9	13.8	110.7	944
WSW - 3 4'	<0.300	<0.050	<10.0	157	31.9	188.9	1310
WSW - 4 4'	<0.300	<0.050	<10.0	285	65.6	350.6	1390
WSW - 5 4'	<0.300	<0.050	<10.0	120	20.5	140.5	1280

Laboratory data are attached in Appendix D

Based on these results, additional excavation was conducted. A surface scrape was done in the areas of S-1, 2, 3, 4, 6, and S-8. An additional half a foot was excavated horizontally along the sidewalls of NSW-3 & 4, ESW-4 & 5, SSW-2 & 3, WSW-3, 4, & 5. These events added an additional 10 c/y of material being excavated. An additional notification was submitted to the NMOCD to obtain further samples. These results are in the following data table.

## 7-18-25 Confirmation Laboratory Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')							
Sample Date 7/18/24	Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg				Closure Criteria 100 mg/kg	Closure Criteria 600 mg/kg
Sample ID	BTEX	Benzene	GRO	DRO	EXT	Total TPH	CHLORIDES
S-1 2'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	48.0
S-2 2'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	48.0
S-3 2'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	48.0
S-4 2'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	48.0
S-6 2'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	48.0
S-8 2'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	64.0
NSW-3 4'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	96.0
NSW-4 4'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	64.0
ESW-4 4'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	112
ESW-5 4'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	96.0
SSW-2 4'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	64.0
SSW-3 4'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	80.0
WSW-3 4'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	80.0
WSW-4 4'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	48.0
WSW-5 4'	<0.300	<0.050	<10.0	<10.0	<10.0	<10.0	80.0

These laboratory analytical results showed that the confirmation soil samples were below the NMOCD Closure Criteria. The excavated soils were loaded into trucks and transported to Lea Land, an NMOCD-approved waste disposal facility. Like material was obtained from a localized pit and used to backfill the excavation. The affected area was then contoured and machine-compactated to match the surrounding grade.

During the writing of this closure report, it was noticed that there was no backfill sample obtained. Another notification was submitted to the NMOCD on 8-6-25 to obtain a backfill sample. The result of that sample is in the following data table.

## 8-11-25 Backfill Samples Laboratory Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')							
Sample Date 8/11/25	Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg				Closure Criteria 100 mg/kg	Closure Criteria 600 mg/kg
Sample ID	BTEX	Benzene	GRO	DRO	EXT	Total TPH	CHLORIDES
Backfill Comp	ND	ND	ND	ND	ND	ND	32

(ND) Analyte Not Detected

## CLOSURE REQUEST

After careful review, Paragon requests that the incident, NAPP2509728439, be closed. Spur has complied with the applicable closure requirements outlined in rule 19.15.19.12 NMAC.

If you have any questions or need additional information, please get in touch with Tristan Jones by phone at (575)318-6841 or email at [tristan@paragonenvironmental.net](mailto:tristan@paragonenvironmental.net).

Respectfully,



Tristan Jones  
Project Manager  
Paragon Environmental, LLC



Chris Jones  
Environmental Professional  
Paragon Environmental, LLC



### Attachments

#### **Figures:**

- 1- Site Map
- 2- Topographic Map
- 3- Karst Map
- 4- Wetlands Map
- 5- Confirmation Maps

#### **Appendices:**

- Appendix A – Referenced Water Surveys
- Appendix B – Soil Survey and FEMA Flood Map
- Appendix C – NMOCD Notification & Photographic Documentation
- Appendix D – Laboratory Reports



Figures:

- 1- Site Map
- 2- Topo Map
- 3- Karst Map
- 4- Wetlands Map
- 5- Confirmation Sample Map

# Spur Energy Partners

Red Lake 32 St #2H  
API# 30-015-44948  
Eddy County, NM  
Site Map

## Legend

- Samples
- Spill Area 7800 S/F



Google Earth

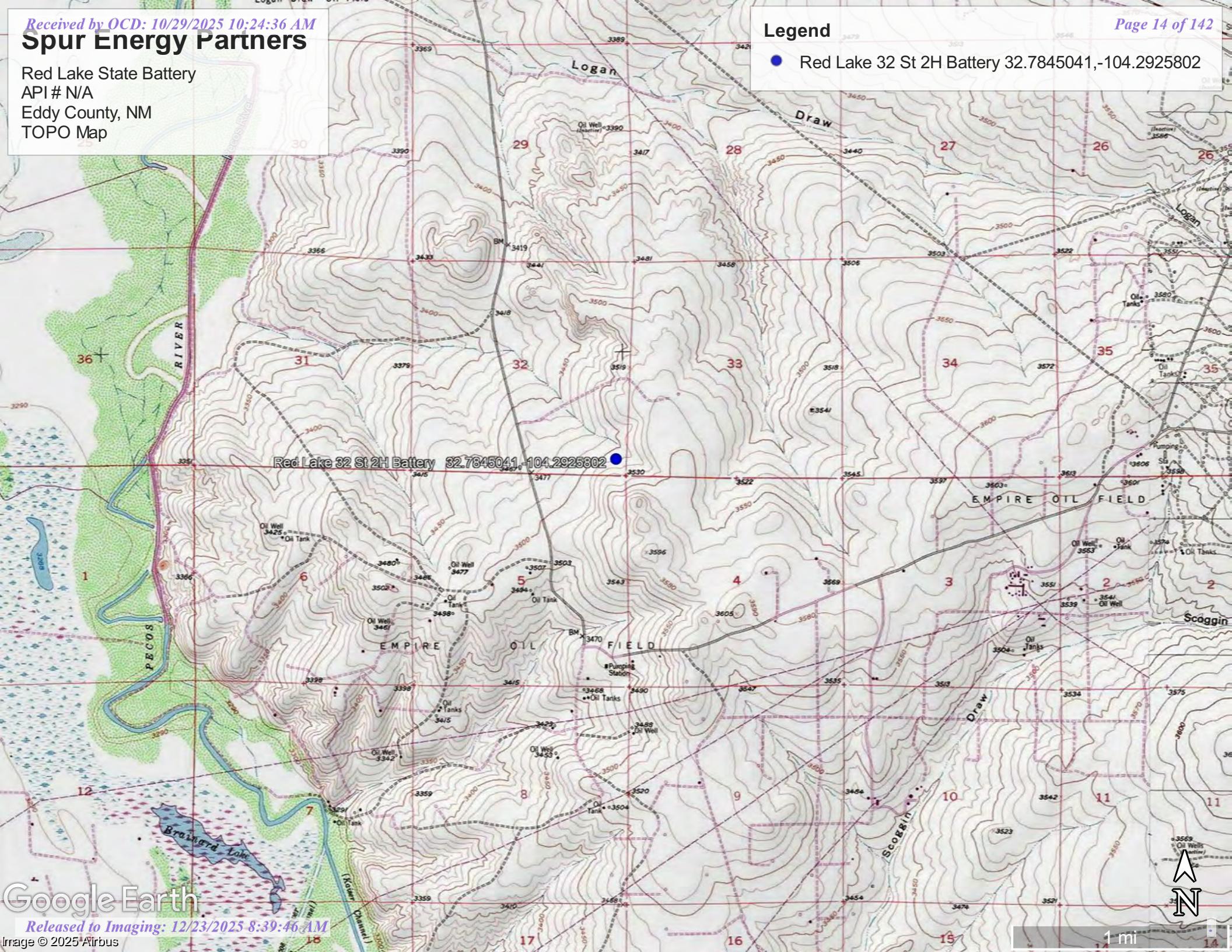
2000 ft

# Spur Energy Partners

Red Lake State Battery  
API # N/A  
Eddy County, NM  
TOPO Map

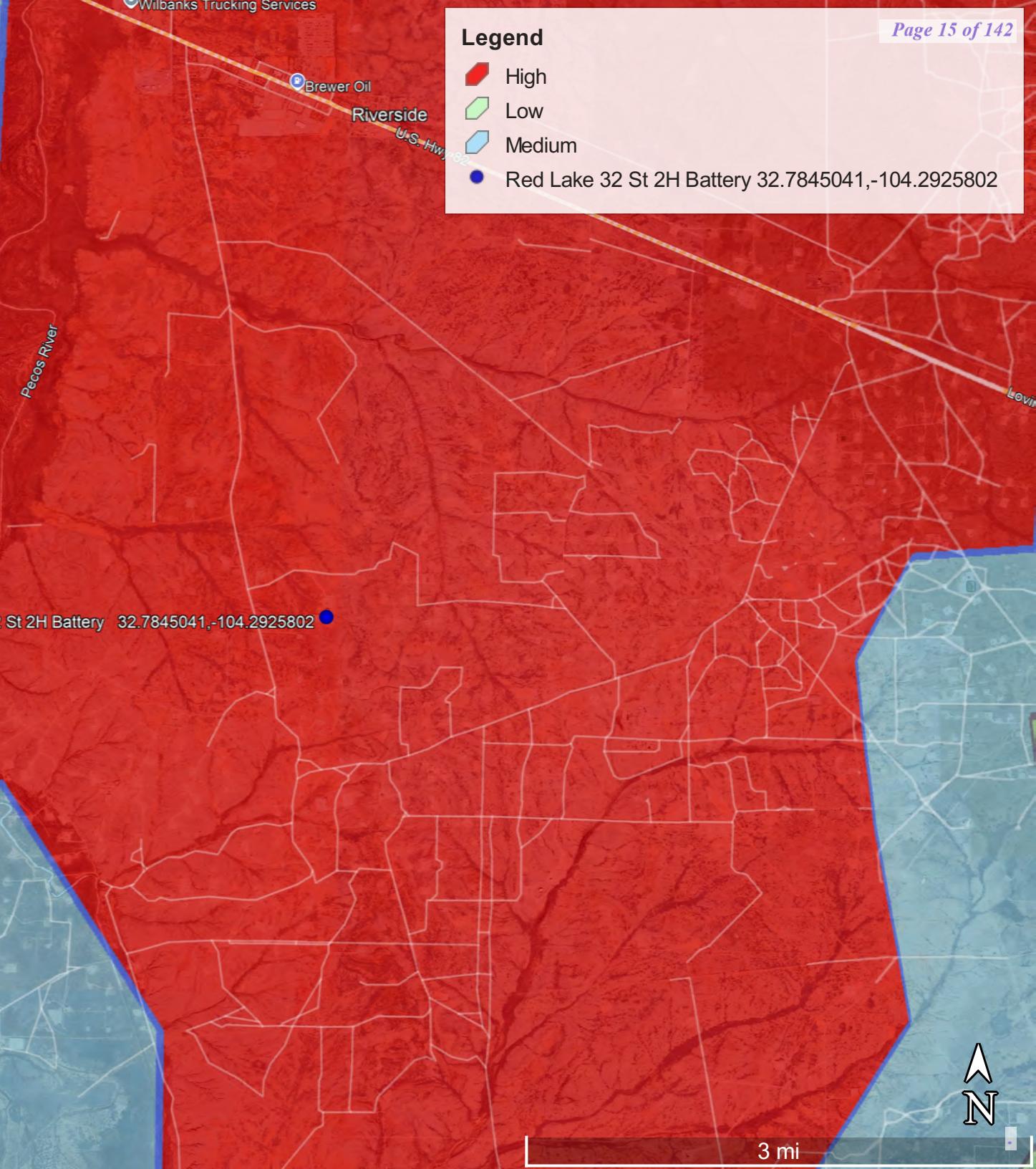
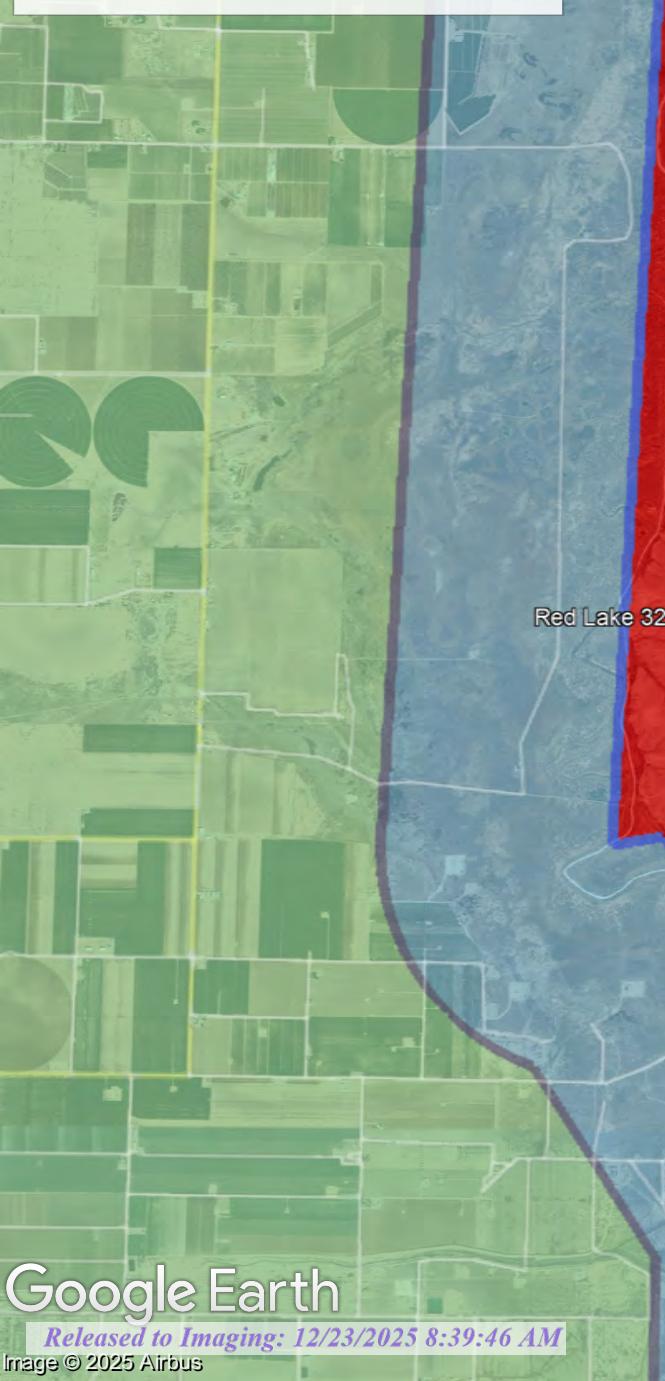
## Legend

- Red Lake 32 St 2H Battery 32.7845041,-104.2925802



# Spur Energy Partners

Red Lake State Battery  
API # N/A  
Eddy County, NM  
Karst Map

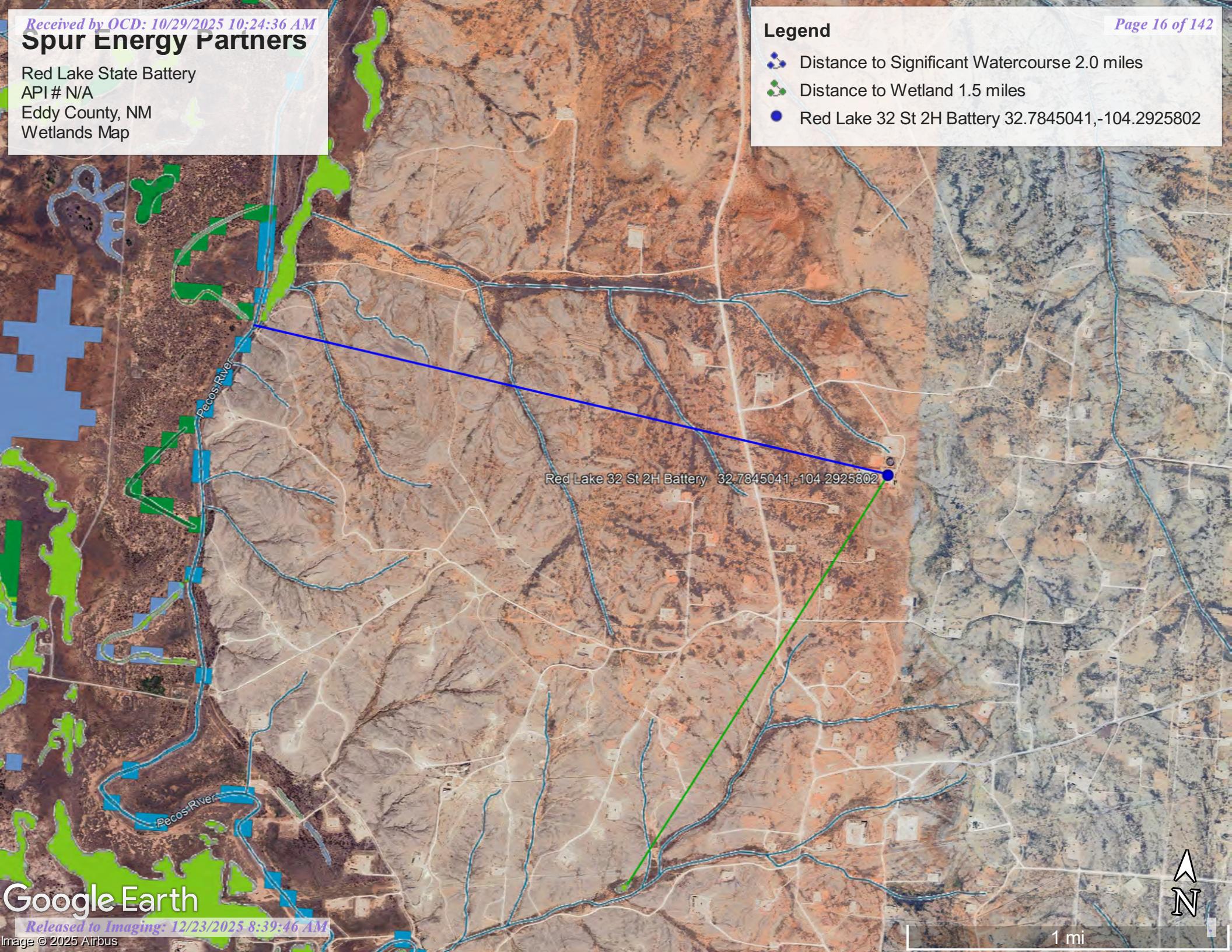


# Spur Energy Partners

Red Lake State Battery  
API # N/A  
Eddy County, NM  
Wetlands Map

## Legend

- Distance to Significant Watercourse 2.0 miles
- Distance to Wetland 1.5 miles
- Red Lake 32 St 2H Battery 32.7845041,-104.2925802

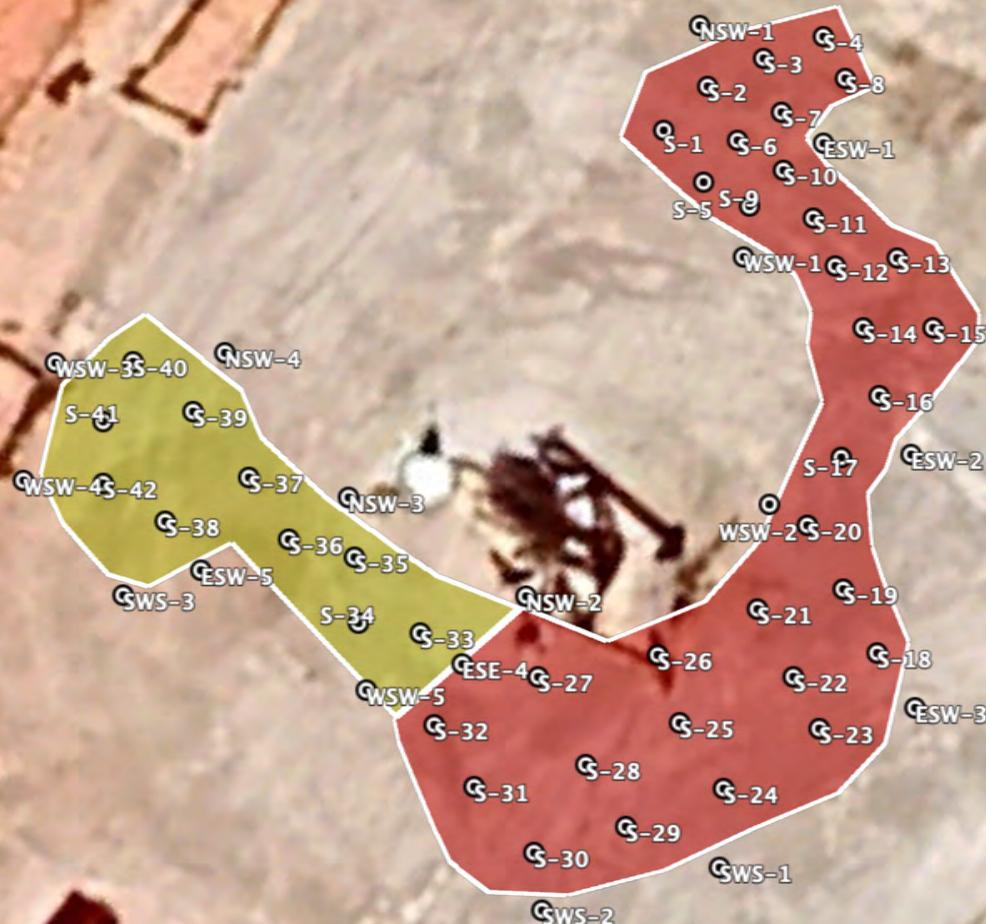


# Spur Energy Partners

Red Lake 32 St #2H  
API# 30-015-44948  
Eddy County, NM  
Confirmation Map

## Legend

-  2' Area 5800 s/f
-  4' Area 2000 s/f
-  Samples





## Appendix A:

### Referenced Water Data

USGS



USGS Home  
Contact USGS  
Search USGS

## National Water Information System: Web Interface

USGS Water Resources

Data Category:  Geographic Area:

Click to hideNews Bulletins

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

Groundwater levels for the Nation

Important: [Next Generation Monitoring Location Page](#)

### Search Results -- 1 sites found

**Agency code = usgs**

**site\_no list =**

- 324715104180201

**Minimum number of levels = 1**

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

### USGS 324715104180201 17S.27E.32.32000

Available data for this site

Eddy County, New Mexico

Hydrologic Unit Code 13060007

Latitude 32°47'15", Longitude 104°18'02" NAD27

Land-surface elevation 3,454 feet above NAVD88

The depth of the well is 400 feet below land surface.

This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

This well is completed in the San Andres Limestone (313SADR) local aquifer.

#### Output formats

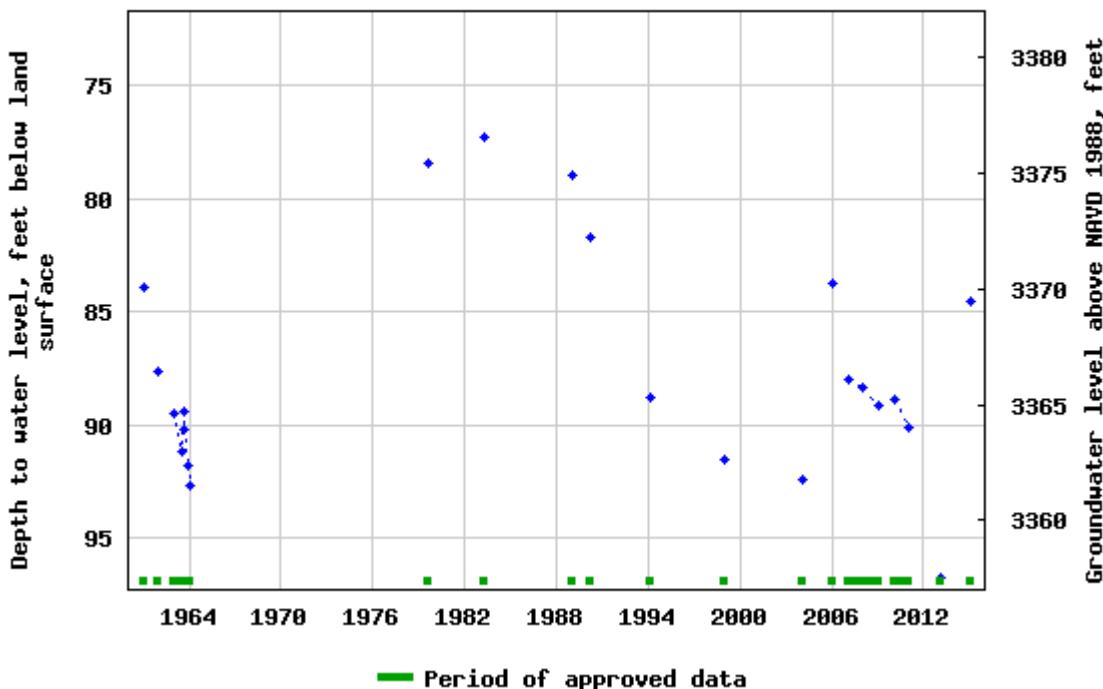
[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)

USGS 324715104180201 17S.27E.32.32000



Breaks in the plot represent a gap of at least one year between field measurements.

[Download a presentation-quality graph](#)

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**Title: Groundwater for USA: Water Levels**

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



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

Page Last Modified: 2023-07-25 10:50:40 EDT

0.61 0.54 nadww02



Appendix B:

Soil Survey

U.S.D.A.

FEMA Flood Map

Map Unit Description: Gypsum land---Eddy Area, New Mexico

---

## Eddy Area, New Mexico

### GA—Gypsum land

#### Map Unit Setting

*National map unit symbol:* 1w4f

*Elevation:* 1,250 to 5,000 feet

*Mean annual precipitation:* 10 to 25 inches

*Mean annual air temperature:* 57 to 66 degrees F

*Frost-free period:* 190 to 225 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Gypsum land:* 98 percent

*Minor components:* 2 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Gypsum Land

##### Setting

*Landform:* Ridges, plains, hills

*Landform position (two-dimensional):* Shoulder, backslope, footslope, toeslope

*Landform position (three-dimensional):* Side slope, head slope, nose slope, crest

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Residuum weathered from gypsum

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 8s

*Hydric soil rating:* No

#### Minor Components

##### Reeves

*Percent of map unit:* 1 percent

*Ecological site:* R070BC033NM - Salty Bottomland

*Hydric soil rating:* No

##### Cottonwood

*Percent of map unit:* 1 percent

*Ecological site:* R070BC033NM - Salty Bottomland

*Hydric soil rating:* No

## Data Source Information

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 20, Sep 3, 2024



Natural Resources  
Conservation Service

Web Soil Survey  
National Cooperative Soil Survey

8/20/2025  
Page 1 of 1

# National Flood Hazard Layer FIRMette



104°18'3"W 32°47'19"N



## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

### SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE) Zone A, V, A99
- With BFE or Depth Zone AE, AO, AH, VE, AR
- Regulatory Floodway

- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
- Future Conditions 1% Annual Chance Flood Hazard Zone X
- Area with Reduced Flood Risk due to Levee. See Notes. Zone X
- Area with Flood Risk due to Levee Zone D

- NO SCREEN Area of Minimal Flood Hazard Zone X
- Effective LOMRs

- Area of Undetermined Flood Hazard Zone D

- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- 8 Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

- Digital Data Available
- No Digital Data Available
- Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/23/2025 at 5:57 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



Appendix C:  
NMOCD Notification  
Photographic Documentation



## OCD Permitting

Home > Operator Data > Action Status > Action Search Results > Action Status Item Details

### [NOTIFY] Notification Of Sampling (C-141N) Application

#### Submission Information

Submission ID:	480381	Districts:	Artesia
Operator:	[328947] Spur Energy Partners LLC	Counties:	Eddy
Description:	Spur Energy Partners LLC [328947] , RED LAKE 32 STATE 2H , nAPP2509728439		
Status:	Approved		
Status Date:	06/30/2025		
References (0):			

#### Forms

This application type does not have attachments.

#### Questions

##### Prerequisites

Incident ID (n#)	nAPP2509728439
Incident Name	NAPP2509728439 RED LAKE 32 STATE 2H @ 30-015-44948
Incident Type	Release Other
Incident Status	Initial C-141 Approved
Incident Well	[30-015-44948] RED LAKE 32 STATE #002H

##### Location of Release Source

Site Name	RED LAKE 32 STATE 2H
Date Release Discovered	04/03/2025
Surface Owner	State

##### Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	8,250
What is the estimated number of samples that will be gathered	59
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/03/2025
Time sampling will commence	08:00 AM
<b>Warning: Notification can not be less than two business days prior to conducting final sampling.</b>	
Please provide any information necessary for observers to contact samplers	tristan jones 575-318-6841
Please provide any information necessary for navigation to sampling site	(32.78448,-104.29264)

#### Acknowledgments

This submission type does not have acknowledgments, at this time.

#### Comments

No comments found for this submission.

#### Conditions

**Summary:** *tristanjones (6/30/2025)*, 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.

*tristanjones (6/30/2025)*, 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.

#### Reasons

No reasons found for this submission.

[Go Back](#)



## OCD Permitting

Home > Operator Data > Action Status > Action Search Results > Action Status Item Details

### [NOTIFY] Notification Of Sampling (C-141N) Application

#### Submission Information

Submission ID:	485324	Districts:	Artesia
Operator:	[328947] Spur Energy Partners LLC	Counties:	Eddy
Description:	Spur Energy Partners LLC [328947] , RED LAKE 32 STATE 2H , nAPP2509728439		
Status:	Approved		
Status Date:	07/15/2025		
References (0):			

#### Forms

This application type does not have attachments.

#### Questions

##### Prerequisites

Incident ID (n#)	nAPP2509728439
Incident Name	NAPP2509728439 RED LAKE 32 STATE 2H @ 30-015-44948
Incident Type	Release Other
Incident Status	Initial C-141 Approved
Incident Well	[30-015-44948] RED LAKE 32 STATE #002H

##### Location of Release Source

Site Name	RED LAKE 32 STATE 2H
Date Release Discovered	04/03/2025
Surface Owner	State

##### Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	1,400
What is the estimated number of samples that will be gathered	16
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/18/2025
Time sampling will commence	08:00 AM

**Warning: Notification can not be less than two business days prior to conducting final sampling.**

Please provide any information necessary for observers to contact samplers	Angel 575-605-0773
Please provide any information necessary for navigation to sampling site	(32.7845182, -104.2926644)

#### Acknowledgments

This submission type does not have acknowledgments, at this time.

#### Comments

No comments found for this submission.

#### Conditions

**Summary:** *apena (7/15/2025), 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.*

*apena (7/15/2025), 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.*

#### Reasons

No reasons found for this submission.

[Go Back](#)



## OCD Permitting

Home > Operator Data > Action Status > Action Search Results > Action Status Item Details

### [NOTIFY] Notification Of Sampling (C-141N) Application

#### Submission Information

Submission ID:	492822	Districts:	Artesia
Operator:	[328947] Spur Energy Partners LLC	Counties:	Eddy
Description:	Spur Energy Partners LLC [328947] , RED LAKE 32 STATE 2H , nAPP2509728439		
Status:	Approved		
Status Date:	08/06/2025		
References (0):			

#### Forms

This application type does not have attachments.

#### Questions

##### Prerequisites

Incident ID (n#)	nAPP2509728439
Incident Name	NAPP2509728439 RED LAKE 32 STATE 2H @ 30-015-44948
Incident Type	Release Other
Incident Status	Initial C-141 Approved
Incident Well	[30-015-44948] RED LAKE 32 STATE #002H

##### Location of Release Source

Site Name	RED LAKE 32 STATE 2H
Date Release Discovered	04/03/2025
Surface Owner	State

##### Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	200
What is the estimated number of samples that will be gathered	1
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/11/2025
Time sampling will commence	08:00 AM
<b>Warning: Notification can not be less than two business days prior to conducting final sampling.</b>	
Please provide any information necessary for observers to contact samplers	Angel Pena 5756050773
Please provide any information necessary for navigation to sampling site	32.78448,-10429264

#### Acknowledgments

This submission type does not have acknowledgments, at this time.

#### Comments

No comments found for this submission.

#### Conditions

**Summary:** *apena (8/6/2025), 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.*

*apena (8/6/2025), 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.*

#### Reasons

No reasons found for this submission.

[Go Back](#)



**Photographic Documentation  
Incident**

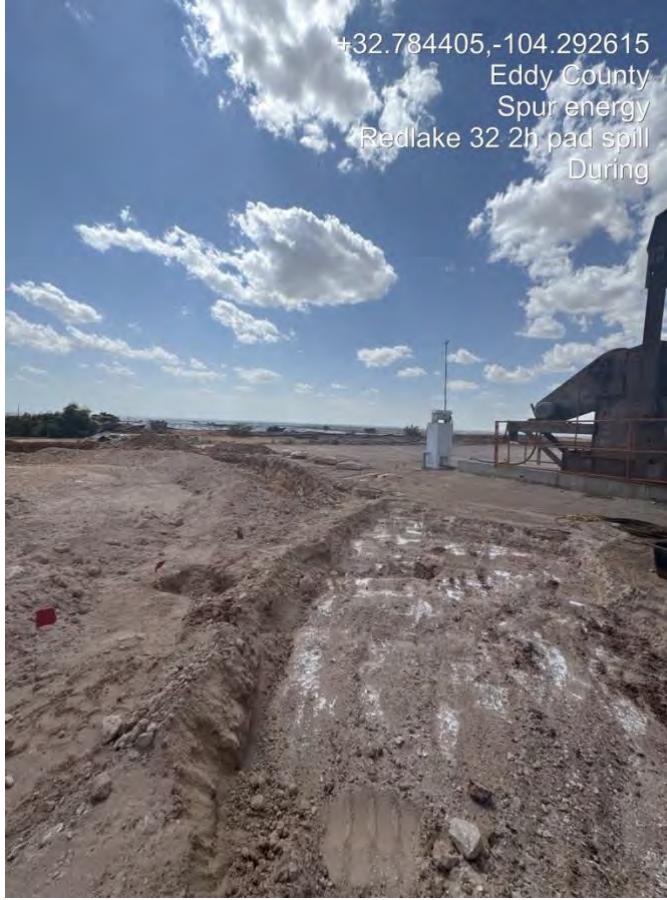


+32.784345,-104.292555  
Eddy County  
Spur energy  
Redlake 32 2H  
Site assessment



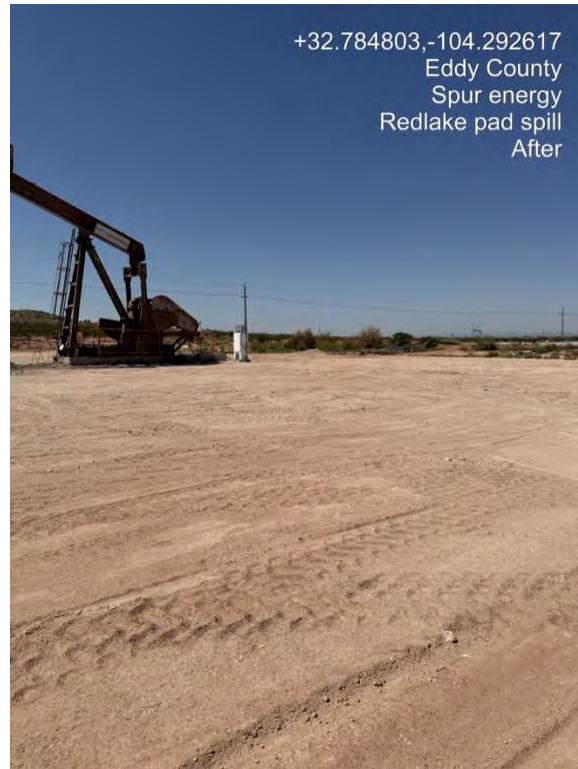
+32.784249,-104.292830  
Eddy County  
Spur energy  
Redlake 32 2H  
Site assessment

**During**



**Complete**







## Appendix D:

### Laboratory Results



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 17, 2025

CHRIS JONES

PARAGON ENVIRONMENTAL

1601 N TURNER ST., STE 500

HOBBS, NM 88240

RE: RED LAKE 32 2H

Enclosed are the results of analyses for samples received by the laboratory on 07/03/25 13:38.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited 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)

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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S - 1 2'	H254023-01	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 2 2'	H254023-02	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 3 2'	H254023-03	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 4 2'	H254023-04	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 5 2'	H254023-05	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 6 2'	H254023-06	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 7 2'	H254023-07	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 8 2'	H254023-08	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 9 2'	H254023-09	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 10 2'	H254023-10	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 11 2'	H254023-11	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 12 2'	H254023-12	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 13 2'	H254023-13	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 14 2'	H254023-14	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 15 2'	H254023-15	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 16 2'	H254023-16	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 17 2'	H254023-17	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 18 2'	H254023-18	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 19 2'	H254023-19	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 20 2'	H254023-20	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 21 2'	H254023-21	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 22 2'	H254023-22	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 23 2'	H254023-23	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 24 2'	H254023-24	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 25 2'	H254023-25	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 26 2'	H254023-26	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 27 2'	H254023-27	Soil	03-Jul-25 00:00	03-Jul-25 13:38

Cardinal Laboratories

\*=Accredited Analyte

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A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

S - 28 2'	H254023-28	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 29 2'	H254023-29	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 30 2'	H254023-30	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 31 2'	H254023-31	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 32 2'	H254023-32	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 33 4'	H254023-33	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 34 4'	H254023-34	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 35 4'	H254023-35	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 36 4'	H254023-36	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 37 4'	H254023-37	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 38 4'	H254023-38	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 39 4'	H254023-39	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 40 4'	H254023-40	Soil	03-Jul-25 00:00	03-Jul-25 13:38
NSW - 1 2'	H254023-41	Soil	03-Jul-25 00:00	03-Jul-25 13:38
ESW - 1 2'	H254023-42	Soil	03-Jul-25 00:00	03-Jul-25 13:38
ESW - 2 2'	H254023-43	Soil	03-Jul-25 00:00	03-Jul-25 13:38
ESW - 3 2'	H254023-44	Soil	03-Jul-25 00:00	03-Jul-25 13:38
SSW - 1 2'	H254023-45	Soil	03-Jul-25 00:00	03-Jul-25 13:38
WSW - 1 2'	H254023-46	Soil	03-Jul-25 00:00	03-Jul-25 13:38
WSW - 2 2'	H254023-47	Soil	03-Jul-25 00:00	03-Jul-25 13:38
NSW - 2 4'	H254023-48	Soil	03-Jul-25 00:00	03-Jul-25 13:38
NSW - 3 4'	H254023-49	Soil	03-Jul-25 00:00	03-Jul-25 13:38
NSW - 4 4'	H254023-50	Soil	03-Jul-25 00:00	03-Jul-25 13:38
ESW - 4 4'	H254023-51	Soil	03-Jul-25 00:00	03-Jul-25 13:38
ESW - 5 4'	H254023-52	Soil	03-Jul-25 00:00	03-Jul-25 13:38
SSW - 2 4'	H254023-53	Soil	03-Jul-25 00:00	03-Jul-25 13:38
SSW - 3 4'	H254023-54	Soil	03-Jul-25 00:00	03-Jul-25 13:38
WSW - 3 4'	H254023-55	Soil	03-Jul-25 00:00	03-Jul-25 13:38
WSW - 4 4'	H254023-56	Soil	03-Jul-25 00:00	03-Jul-25 13:38
WSW - 5 4'	H254023-57	Soil	03-Jul-25 00:00	03-Jul-25 13:38

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A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

S - 41 4'	H254023-58	Soil	03-Jul-25 00:00	03-Jul-25 13:38
S - 42 4'	H254023-59	Soil	03-Jul-25 00:00	03-Jul-25 13:38

07/17/25 - Client changed the project name (see COC). This is the revised report and will replace the one sent on 07/10/25.

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A handwritten signature in black ink that reads "Cely D. Keene".

Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

S - 1 2'

H254023-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	<b>880</b>	16.0	mg/kg	4	5070749	KH	07-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070705	JH	07-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070705	JH	07-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070705	JH	07-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070705	JH	07-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070705	JH	07-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	95.0 %	71.5-134	5070705	JH	07-Jul-25	8021B
---------------------------------------	--------	----------	---------	----	-----------	-------

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070733	MS	08-Jul-25	8015B
<b>DRO &gt;C10-C28*</b>	<b>28.7</b>	10.0	mg/kg	1	5070733	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070733	MS	08-Jul-25	8015B
Surrogate: 1-Chlorooctane		78.2 %	44.4-145		5070733	MS	08-Jul-25	8015B
Surrogate: 1-Chlorooctadecane		72.9 %	40.6-153		5070733	MS	08-Jul-25	8015B

Cardinal Laboratories

\*=Accredited Analyte

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A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

S - 2 2'

H254023-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories****Inorganic Compounds**

Chloride	<b>864</b>	16.0	mg/kg	4	5070745	AC	07-Jul-25	4500-Cl-B	QM-07
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070705	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070705	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070705	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070705	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070705	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 71.5-134 5070705 JH 08-Jul-25 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070733	MS	08-Jul-25	8015B
<b>DRO &gt;C10-C28*</b>	<b>28.9</b>	10.0	mg/kg	1	5070733	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070733	MS	08-Jul-25	8015B
Surrogate: 1-Chlorooctane		76.5 %	44.4-145		5070733	MS	08-Jul-25	8015B
Surrogate: 1-Chlorooctadecane		73.0 %	40.6-153		5070733	MS	08-Jul-25	8015B

Cardinal Laboratories

\*=Accredited Analyte

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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

S - 3 2'

H254023-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	<b>816</b>	16.0	mg/kg	4	5070745	AC	07-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070705	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070705	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070705	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070705	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070705	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	95.5 %	71.5-134	5070705	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070733	MS	08-Jul-25	8015B
<b>DRO &gt;C10-C28*</b>	<b>28.5</b>	10.0	mg/kg	1	5070733	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070733	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	83.3 %	44.4-145	5070733	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	79.2 %	40.6-153	5070733	MS	08-Jul-25	8015B
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Cardinal Laboratories

\*=Accredited Analyte

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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

**S - 4 2'****H254023-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	<b>672</b>	16.0	mg/kg	4	5070745	AC	07-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070705	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070705	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070705	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070705	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070705	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	94.2 %	71.5-134	5070705	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070733	MS	08-Jul-25	8015B
<b>DRO &gt;C10-C28*</b>	<b>24.8</b>	10.0	mg/kg	1	5070733	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070733	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	83.3 %	44.4-145	5070733	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	80.7 %	40.6-153	5070733	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

S - 5 2'

H254023-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	<b>544</b>	16.0	mg/kg	4	5070745	AC	07-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070705	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070705	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070705	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070705	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070705	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	95.0 %	71.5-134	5070705	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070733	MS	08-Jul-25	8015B
<b>DRO &gt;C10-C28*</b>	<b>20.6</b>	10.0	mg/kg	1	5070733	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070733	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	82.2 %	44.4-145	5070733	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	78.0 %	40.6-153	5070733	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

S - 6 2'

H254023-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	<b>624</b>	16.0	mg/kg	4	5070745	AC	07-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070706	JH	07-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070706	JH	07-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)		111 %	71.5-134	5070706	JH	07-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070733	MS	08-Jul-25	8015B
<b>DRO &gt;C10-C28*</b>	<b>20.0</b>	10.0	mg/kg	1	5070733	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070733	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane		86.1 %	44.4-145	5070733	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane		82.1 %	40.6-153	5070733	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

S - 7 2'

H254023-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	496	16.0	mg/kg	4	5070745	AC	07-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070706	JH	07-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070706	JH	07-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	110 %	71.5-134	5070706	JH	07-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070733	MS	08-Jul-25	8015B
DRO >C10-C28*	13.0	10.0	mg/kg	1	5070733	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070733	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	84.0 %	44.4-145	5070733	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	79.6 %	40.6-153	5070733	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

**S - 8 2'****H254023-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	<b>640</b>	16.0	mg/kg	4	5070745	AC	07-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070706	JH	07-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070706	JH	07-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)		112 %	71.5-134	5070706	JH	07-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
<b>DRO &gt;C10-C28*</b>	<b>13.2</b>	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane		95.3 %	44.4-145	5070734	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane		90.1 %	40.6-153	5070734	MS	08-Jul-25	8015B
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\*=Accredited Analyte

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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

**S - 9 2'****H254023-09 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	<b>560</b>	16.0	mg/kg	4	5070745	AC	07-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070706	JH	07-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070706	JH	07-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	112 %	71.5-134	5070706	JH	07-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
<b>DRO &gt;C10-C28*</b>	<b>21.5</b>	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	95.1 %	44.4-145	5070734	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	90.0 %	40.6-153	5070734	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

**S - 10 2'****H254023-10 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	<b>560</b>	16.0	mg/kg	4	5070745	AC	07-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070706	JH	07-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070706	JH	07-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	112 %	71.5-134	5070706	JH	07-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
<b>DRO &gt;C10-C28*</b>	<b>18.4</b>	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	94.1 %	44.4-145	5070734	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	88.2 %	40.6-153	5070734	MS	08-Jul-25	8015B
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A handwritten signature in black ink that reads "Cely D. Keene".

Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

S - 11 2'

H254023-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	<b>592</b>	16.0	mg/kg	4	5070745	AC	07-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070706	JH	07-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070706	JH	07-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	110 %	71.5-134	5070706	JH	07-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
<b>DRO &gt;C10-C28*</b>	<b>18.6</b>	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	92.9 %	44.4-145	5070734	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	87.6 %	40.6-153	5070734	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

S - 12 2'

H254023-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	240	16.0	mg/kg	4	5070745	AC	07-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070706	JH	07-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070706	JH	07-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	109 %	71.5-134	5070706	JH	07-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	92.6 %	44.4-145	5070734	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	85.4 %	40.6-153	5070734	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

S - 13 2'

H254023-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	240	16.0	mg/kg	4	5070745	AC	07-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070706	JH	07-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070706	JH	07-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	111 %	71.5-134	5070706	JH	07-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	94.1 %	44.4-145	5070734	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	87.1 %	40.6-153	5070734	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

**S - 14 2'****H254023-14 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	272	16.0	mg/kg	4	5070745	AC	07-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070706	JH	07-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070706	JH	07-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	111 %	71.5-134	5070706	JH	07-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	95.3 %	44.4-145	5070734	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	87.9 %	40.6-153	5070734	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

**S - 15 2'****H254023-15 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	<b>304</b>	16.0	mg/kg	4	5070745	AC	07-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070706	JH	07-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070706	JH	07-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	110 %	71.5-134	5070706	JH	07-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
<b>DRO &gt;C10-C28*</b>	<b>12.7</b>	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	95.9 %	44.4-145	5070734	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	88.9 %	40.6-153	5070734	MS	08-Jul-25	8015B
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A handwritten signature in black ink that reads "Cely D. Keene".

Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

**S - 16 2'****H254023-16 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	<b>304</b>	16.0	mg/kg	4	5070745	AC	07-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070706	JH	07-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070706	JH	07-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)		111 %	71.5-134	5070706	JH	07-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
<b>DRO &gt;C10-C28*</b>	<b>14.5</b>	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane		95.5 %	44.4-145	5070734	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane		88.1 %	40.6-153	5070734	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

S - 17 2'

H254023-17 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	416	16.0	mg/kg	4	5070745	AC	07-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070706	JH	07-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070706	JH	07-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	112 %	71.5-134	5070706	JH	07-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	101 %	44.4-145	5070734	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	94.7 %	40.6-153	5070734	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

**S - 18 2'****H254023-18 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	352	16.0	mg/kg	4	5070745	AC	07-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070706	JH	07-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070706	JH	07-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070706	JH	07-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	111 %	71.5-134	5070706	JH	07-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	94.8 %	44.4-145	5070734	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	87.8 %	40.6-153	5070734	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

S - 19 2'

H254023-19 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	320	16.0	mg/kg	4	5070745	AC	07-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070706	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070706	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070706	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070706	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070706	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	111 %	71.5-134	5070706	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
DRO >C10-C28*	21.9	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	91.1 %	44.4-145	5070734	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	84.1 %	40.6-153	5070734	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

S - 20 2'

H254023-20 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	352	16.0	mg/kg	4	5070745	AC	07-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070706	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070706	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070706	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070706	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070706	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	110 %	71.5-134	5070706	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
DRO >C10-C28*	15.4	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	96.4 %	44.4-145	5070734	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	89.3 %	40.6-153	5070734	MS	08-Jul-25	8015B
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A handwritten signature in black ink that reads "Cely D. Keene".

Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

S - 21 2'

H254023-21 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	<b>368</b>	16.0	mg/kg	4	5070745	AC	07-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070706	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070706	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070706	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070706	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070706	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	109 %	71.5-134	5070706	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
<b>DRO &gt;C10-C28*</b>	<b>11.1</b>	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	91.9 %	44.4-145	5070734	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	86.0 %	40.6-153	5070734	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

S - 22 2'

H254023-22 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	416	16.0	mg/kg	4	5070750	KH	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070706	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070706	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070706	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070706	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070706	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	111 %	71.5-134	5070706	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	96.8 %	44.4-145	5070734	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	91.7 %	40.6-153	5070734	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

S - 23 2'

H254023-23 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	432	16.0	mg/kg	4	5070750	KH	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070706	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070706	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070706	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070706	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070706	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	111 %	71.5-134	5070706	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	95.4 %	44.4-145	5070734	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	86.4 %	40.6-153	5070734	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

S - 24 2'

H254023-24 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	496	16.0	mg/kg	4	5070750	KH	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070706	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070706	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070706	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070706	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070706	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	108 %	71.5-134	5070706	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	97.6 %	44.4-145	5070734	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	87.8 %	40.6-153	5070734	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

S - 25 2'

H254023-25 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	464	16.0	mg/kg	4	5070750	KH	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070706	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070706	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070706	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070706	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070706	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	110 %	71.5-134	5070706	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	97.3 %	44.4-145	5070734	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	87.7 %	40.6-153	5070734	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

**S - 26 2'****H254023-26 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	192	16.0	mg/kg	4	5070750	KH	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070708	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	118 %	71.5-134	5070708	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	96.1 %	44.4-145	5070734	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	87.4 %	40.6-153	5070734	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

S - 27 2'

H254023-27 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	128	16.0	mg/kg	4	5070750	KH	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070708	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	119 %	71.5-134	5070708	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070734	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	100 %	44.4-145	5070734	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	91.2 %	40.6-153	5070734	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

**S - 28 2'****H254023-28 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	208	16.0	mg/kg	4	5070750	KH	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070708	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	118 %	71.5-134	5070708	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	74.9 %	44.4-145	5070735	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	71.5 %	40.6-153	5070735	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

S - 29 2'

H254023-29 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	144	16.0	mg/kg	4	5070750	KH	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070708	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	113 %	71.5-134	5070708	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	80.7 %	44.4-145	5070735	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	73.8 %	40.6-153	5070735	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

S - 30 2'

H254023-30 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	144	16.0	mg/kg	4	5070750	KH	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070708	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	108 %	71.5-134	5070708	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	84.3 %	44.4-145	5070735	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	76.5 %	40.6-153	5070735	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

S - 31 2'

H254023-31 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	96.0	16.0	mg/kg	4	5070750	KH	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070708	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	116 %	71.5-134	5070708	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	88.0 %	44.4-145	5070735	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	81.5 %	40.6-153	5070735	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

S - 32 2'

H254023-32 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	128	16.0	mg/kg	4	5070750	KH	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070708	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	111 %	71.5-134	5070708	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	82.4 %	44.4-145	5070735	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	75.2 %	40.6-153	5070735	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

S - 33 4'

H254023-33 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	144	16.0	mg/kg	4	5070750	KH	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070708	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	115 %	71.5-134	5070708	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	84.2 %	44.4-145	5070735	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	77.4 %	40.6-153	5070735	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

S - 34 4'

H254023-34 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	144	16.0	mg/kg	4	5070750	KH	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070708	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	114 %	71.5-134	5070708	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	85.2 %	44.4-145	5070735	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	78.4 %	40.6-153	5070735	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

S - 35 4'

H254023-35 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	112	16.0	mg/kg	4	5070750	KH	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070708	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	120 %	71.5-134	5070708	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	87.2 %	44.4-145	5070735	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	80.3 %	40.6-153	5070735	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

S - 36 4'

H254023-36 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	144	16.0	mg/kg	4	5070750	KH	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070708	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	117 %	71.5-134	5070708	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	85.9 %	44.4-145	5070735	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	78.7 %	40.6-153	5070735	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

S - 37 4'

H254023-37 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	144	16.0	mg/kg	4	5070750	KH	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070708	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	110 %	71.5-134	5070708	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	88.5 %	44.4-145	5070735	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	82.5 %	40.6-153	5070735	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

S - 38 4'

H254023-38 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	128	16.0	mg/kg	4	5070750	KH	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070708	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	117 %	71.5-134	5070708	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	86.5 %	44.4-145	5070735	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	82.1 %	40.6-153	5070735	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

S - 39 4'

H254023-39 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	176	16.0	mg/kg	4	5070750	KH	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070708	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	120 %	71.5-134	5070708	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	86.5 %	44.4-145	5070735	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	82.0 %	40.6-153	5070735	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

**S - 40 4'****H254023-40 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	<b>176</b>	16.0	mg/kg	4	5070750	KH	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070708	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	119 %	71.5-134	5070708	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
<b>DRO &gt;C10-C28*</b>	<b>23.5</b>	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	83.4 %	44.4-145	5070735	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	84.1 %	40.6-153	5070735	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

**NSW - 1 2'**  
**H254023-41 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	96.0	16.0	mg/kg	4	5070750	KH	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070708	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	116 %	71.5-134	5070708	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	73.5 %	44.4-145	5070735	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	67.6 %	40.6-153	5070735	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

**ESW - 1 2'****H254023-42 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	112	16.0	mg/kg	4	5070810	AC	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070708	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	119 %	71.5-134	5070708	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	83.1 %	44.4-145	5070735	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	78.6 %	40.6-153	5070735	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

**ESW - 2 2'****H254023-43 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	96.0	16.0	mg/kg	4	5070810	AC	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070708	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	120 %	71.5-134	5070708	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	87.4 %	44.4-145	5070735	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	81.2 %	40.6-153	5070735	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

**ESW - 3 2'****H254023-44 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	112	16.0	mg/kg	4	5070810	AC	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070708	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	116 %	71.5-134	5070708	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	72.4 %	44.4-145	5070735	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	68.3 %	40.6-153	5070735	MS	08-Jul-25	8015B
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\*=Accredited Analyte

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A handwritten signature in black ink that reads "Cely D. Keene".

Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

SSW - 1 2'

H254023-45 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	112	16.0	mg/kg	4	5070810	AC	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070708	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070708	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	117 %	71.5-134	5070708	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	83.7 %	44.4-145	5070735	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	77.3 %	40.6-153	5070735	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

**WSW - 1 2'****H254023-46 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	112	16.0	mg/kg	4	5070810	AC	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070709	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070709	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	105 %	71.5-134	5070709	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	75.6 %	44.4-145	5070735	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	69.5 %	40.6-153	5070735	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

**WSW - 2 2'****H254023-47 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	96.0	16.0	mg/kg	4	5070810	AC	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070709	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070709	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	108 %	71.5-134	5070709	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070735	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	88.7 %	44.4-145	5070735	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	82.0 %	40.6-153	5070735	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

**NSW - 2 4'**  
**H254023-48 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	144	16.0	mg/kg	4	5070810	AC	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070709	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070709	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	109 %	71.5-134	5070709	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	65.1 %	44.4-145	5070736	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	53.1 %	40.6-153	5070736	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

**NSW - 3 4'****H254023-49 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	1570	16.0	mg/kg	4	5070810	AC	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070709	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070709	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	111 %	71.5-134	5070709	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B
DRO >C10-C28*	179	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B
EXT DRO >C28-C36	33.7	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	77.4 %	44.4-145	5070736	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	75.3 %	40.6-153	5070736	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

**NSW - 4 4'****H254023-50 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	<b>768</b>	16.0	mg/kg	4	5070810	AC	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070709	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070709	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	108 %	71.5-134	5070709	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B
DRO >C10-C28*	<b>136</b>	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<b>21.3</b>	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	71.5 %	44.4-145	5070736	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	69.4 %	40.6-153	5070736	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

**ESW - 4 4'****H254023-51 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	<b>1090</b>	16.0	mg/kg	4	5070810	AC	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070709	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070709	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	108 %	71.5-134	5070709	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B
DRO >C10-C28*	<b>246</b>	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<b>59.2</b>	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	78.1 %	44.4-145	5070736	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	78.7 %	40.6-153	5070736	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

**ESW - 5 4'****H254023-52 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	<b>816</b>	16.0	mg/kg	4	5070810	AC	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070709	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070709	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	107 %	71.5-134	5070709	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B
DRO >C10-C28*	<b>115</b>	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<b>20.4</b>	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	73.1 %	44.4-145	5070736	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	70.8 %	40.6-153	5070736	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

SSW - 2 4'

H254023-53 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	832	16.0	mg/kg	4	5070810	AC	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070709	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070709	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	110 %	71.5-134	5070709	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B
DRO >C10-C28*	87.7	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B
EXT DRO >C28-C36	13.7	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	73.0 %	44.4-145	5070736	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	69.2 %	40.6-153	5070736	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

SSW - 3 4'

H254023-54 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	944	16.0	mg/kg	4	5070810	AC	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070709	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070709	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	104 %	71.5-134	5070709	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B
DRO >C10-C28*	96.9	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B
EXT DRO >C28-C36	13.8	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	76.8 %	44.4-145	5070736	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	72.6 %	40.6-153	5070736	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

**WSW - 3 4'****H254023-55 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	<b>1310</b>	16.0	mg/kg	4	5070810	AC	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070709	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070709	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	106 %	71.5-134	5070709	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B
DRO >C10-C28*	<b>157</b>	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<b>31.9</b>	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	79.7 %	44.4-145	5070736	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	78.8 %	40.6-153	5070736	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

**WSW - 4 4'****H254023-56 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	1390	16.0	mg/kg	4	5070810	AC	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070709	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070709	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	110 %	71.5-134	5070709	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B
DRO >C10-C28*	285	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B
EXT DRO >C28-C36	65.6	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	82.7 %	44.4-145	5070736	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	84.3 %	40.6-153	5070736	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

**WSW - 5 4'****H254023-57 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	1280	16.0	mg/kg	4	5070810	AC	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070709	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070709	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	110 %	71.5-134	5070709	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B
DRO >C10-C28*	120	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B
EXT DRO >C28-C36	20.5	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	80.8 %	44.4-145	5070736	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	78.5 %	40.6-153	5070736	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

S - 41 4'

H254023-58 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	160	16.0	mg/kg	4	5070810	AC	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070709	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070709	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	110 %	71.5-134	5070709	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	82.5 %	44.4-145	5070736	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	76.1 %	40.6-153	5070736	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

S - 42 4'

H254023-59 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	112	16.0	mg/kg	4	5070810	AC	08-Jul-25	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5070709	JH	08-Jul-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5070709	JH	08-Jul-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5070709	JH	08-Jul-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	111 %	71.5-134	5070709	JH	08-Jul-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5070736	MS	08-Jul-25	8015B

Surrogate: 1-Chlorooctane	85.8 %	44.4-145	5070736	MS	08-Jul-25	8015B
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Surrogate: 1-Chlorooctadecane	77.6 %	40.6-153	5070736	MS	08-Jul-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

**Inorganic Compounds - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch 5070745 - 1:4 DI Water**

<b>Blank (5070745-BLK1)</b>	Prepared & Analyzed: 07-Jul-25							
Chloride	ND	16.0	mg/kg					
<b>LCS (5070745-BS1)</b>	Prepared & Analyzed: 07-Jul-25							
Chloride	432	16.0	mg/kg	400	108	80-120		
<b>LCS Dup (5070745-BSD1)</b>	Prepared & Analyzed: 07-Jul-25							
Chloride	416	16.0	mg/kg	400	104	80-120	3.77	20

**Batch 5070749 - 1:4 DI Water**

<b>Blank (5070749-BLK1)</b>	Prepared & Analyzed: 07-Jul-25							
Chloride	ND	16.0	mg/kg					
<b>LCS (5070749-BS1)</b>	Prepared & Analyzed: 07-Jul-25							
Chloride	432	16.0	mg/kg	400	108	80-120		
<b>LCS Dup (5070749-BSD1)</b>	Prepared & Analyzed: 07-Jul-25							
Chloride	432	16.0	mg/kg	400	108	80-120	0.00	20

**Batch 5070750 - 1:4 DI Water**

<b>Blank (5070750-BLK1)</b>	Prepared: 07-Jul-25 Analyzed: 08-Jul-25							
Chloride	ND	16.0	mg/kg					
<b>LCS (5070750-BS1)</b>	Prepared: 07-Jul-25 Analyzed: 08-Jul-25							
Chloride	416	16.0	mg/kg	400	104	80-120		

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

**Inorganic Compounds - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch 5070750 - 1:4 DI Water**

LCS Dup (5070750-BSD1)		Prepared: 07-Jul-25 Analyzed: 08-Jul-25								
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	

**Batch 5070810 - 1:4 DI Water**

Blank (5070810-BLK1)		Prepared & Analyzed: 08-Jul-25								
Chloride	ND	16.0	mg/kg							

LCS (5070810-BS1)		Prepared & Analyzed: 08-Jul-25								
Chloride	416	16.0	mg/kg	400		104	80-120			

LCS Dup (5070810-BSD1)		Prepared & Analyzed: 08-Jul-25								
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	

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A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch 5070705 - Volatiles**

Blank (5070705-BLK1)				Prepared & Analyzed: 07-Jul-25			
Benzene	ND	0.050	mg/kg				
Toluene	ND	0.050	mg/kg				
Ethylbenzene	ND	0.050	mg/kg				
Total Xylenes	ND	0.150	mg/kg				
Total BTEX	ND	0.300	mg/kg				
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500	94.9	71.5-134	
LCS (5070705-BS1)				Prepared & Analyzed: 07-Jul-25			
Benzene	1.98	0.050	mg/kg	2.00	99.0	76.3-129	
Toluene	2.03	0.050	mg/kg	2.00	101	84.1-129	
Ethylbenzene	2.00	0.050	mg/kg	2.00	100	80.1-133	
m,p-Xylene	3.93	0.100	mg/kg	4.00	98.2	81.4-134	
o-Xylene	1.96	0.050	mg/kg	2.00	97.9	81.4-133	
Total Xylenes	5.89	0.150	mg/kg	6.00	98.1	81.5-134	
Surrogate: 4-Bromofluorobenzene (PID)	0.0461		mg/kg	0.0500	92.3	71.5-134	

LCS Dup (5070705-BSD1)				Prepared & Analyzed: 07-Jul-25			
Benzene	2.05	0.050	mg/kg	2.00	102	76.3-129	3.28
Toluene	2.10	0.050	mg/kg	2.00	105	84.1-129	3.57
Ethylbenzene	2.08	0.050	mg/kg	2.00	104	80.1-133	3.66
m,p-Xylene	4.08	0.100	mg/kg	4.00	102	81.4-134	3.81
o-Xylene	2.03	0.050	mg/kg	2.00	102	81.4-133	3.60
Total Xylenes	6.11	0.150	mg/kg	6.00	102	81.5-134	3.74
Surrogate: 4-Bromofluorobenzene (PID)	0.0463		mg/kg	0.0500	92.6	71.5-134	

**Batch 5070706 - Volatiles**

Blank (5070706-BLK1)				Prepared & Analyzed: 07-Jul-25			
Benzene	ND	0.050	mg/kg				
Toluene	ND	0.050	mg/kg				
Ethylbenzene	ND	0.050	mg/kg				
Total Xylenes	ND	0.150	mg/kg				

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch 5070706 - Volatiles****Blank (5070706-BLK1)**

Total BTEX	ND	0.300	mg/kg	Prepared & Analyzed: 07-Jul-25			
Surrogate: 4-Bromofluorobenzene (PID)	0.0557		mg/kg	0.0500	111	71.5-134	

**LCS (5070706-BS1)**

Benzene	2.15	0.050	mg/kg	2.00	107	76.3-129	Prepared & Analyzed: 07-Jul-25
Toluene	2.18	0.050	mg/kg	2.00	109	84.1-129	
Ethylbenzene	2.21	0.050	mg/kg	2.00	110	80.1-133	
m,p-Xylene	4.39	0.100	mg/kg	4.00	110	81.4-134	
o-Xylene	2.18	0.050	mg/kg	2.00	109	81.4-133	
Total Xylenes	6.57	0.150	mg/kg	6.00	110	81.5-134	
Surrogate: 4-Bromofluorobenzene (PID)	0.0498		mg/kg	0.0500	99.6	71.5-134	

**LCS Dup (5070706-BSD1)**

Benzene	2.07	0.050	mg/kg	2.00	104	76.3-129	3.52	15.8	Prepared & Analyzed: 07-Jul-25
Toluene	2.11	0.050	mg/kg	2.00	106	84.1-129	3.10	15.9	
Ethylbenzene	2.12	0.050	mg/kg	2.00	106	80.1-133	3.93	16	
m,p-Xylene	4.20	0.100	mg/kg	4.00	105	81.4-134	4.35	16.2	
o-Xylene	2.10	0.050	mg/kg	2.00	105	81.4-133	4.02	16.7	
Total Xylenes	6.30	0.150	mg/kg	6.00	105	81.5-134	4.24	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0504		mg/kg	0.0500	101	71.5-134			

**Batch 5070708 - Volatiles****Blank (5070708-BLK1)**

Benzene	ND	0.050	mg/kg	Prepared: 07-Jul-25 Analyzed: 08-Jul-25			
Toluene	ND	0.050	mg/kg				
Ethylbenzene	ND	0.050	mg/kg				
Total Xylenes	ND	0.150	mg/kg				
Total BTEX	ND	0.300	mg/kg				
Surrogate: 4-Bromofluorobenzene (PID)	0.0579		mg/kg	0.0500	116	71.5-134	

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**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch 5070708 - Volatiles**

LCS (5070708-BS1)		Prepared: 07-Jul-25 Analyzed: 08-Jul-25								
Benzene	2.03	0.050	mg/kg	2.00		102	76.3-129			
Toluene	2.14	0.050	mg/kg	2.00		107	84.1-129			
Ethylbenzene	2.20	0.050	mg/kg	2.00		110	80.1-133			
m,p-Xylene	4.59	0.100	mg/kg	4.00		115	81.4-134			
o-Xylene	2.28	0.050	mg/kg	2.00		114	81.4-133			
Total Xylenes	6.87	0.150	mg/kg	6.00		114	81.5-134			
Surrogate: 4-Bromofluorobenzene (PID)	0.0544		mg/kg	0.0500		109	71.5-134			
LCS Dup (5070708-BSD1)		Prepared: 07-Jul-25 Analyzed: 08-Jul-25								
Benzene	1.96	0.050	mg/kg	2.00		98.0	76.3-129	3.58	15.8	
Toluene	2.05	0.050	mg/kg	2.00		102	84.1-129	4.71	15.9	
Ethylbenzene	2.10	0.050	mg/kg	2.00		105	80.1-133	4.69	16	
m,p-Xylene	4.36	0.100	mg/kg	4.00		109	81.4-134	5.13	16.2	
o-Xylene	2.16	0.050	mg/kg	2.00		108	81.4-133	5.31	16.7	
Total Xylenes	6.52	0.150	mg/kg	6.00		109	81.5-134	5.19	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0546		mg/kg	0.0500		109	71.5-134			

**Batch 5070709 - Volatiles**

Blank (5070709-BLK1)		Prepared: 07-Jul-25 Analyzed: 08-Jul-25								
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0560		mg/kg	0.0500		112	71.5-134			

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**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch 5070709 - Volatiles**

LCS (5070709-BS1)		Prepared: 07-Jul-25 Analyzed: 08-Jul-25								
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
Benzene	2.24	0.050	mg/kg	2.00	112	76.3-129				
Toluene	2.29	0.050	mg/kg	2.00	115	84.1-129				
Ethylbenzene	2.30	0.050	mg/kg	2.00	115	80.1-133				
m,p-Xylene	4.77	0.100	mg/kg	4.00	119	81.4-134				
o-Xylene	2.41	0.050	mg/kg	2.00	121	81.4-133				
Total Xylenes	7.18	0.150	mg/kg	6.00	120	81.5-134				
Surrogate: 4-Bromofluorobenzene (PID)	0.0502		mg/kg	0.0500	100	71.5-134				
LCS Dup (5070709-BSD1)		Prepared: 07-Jul-25 Analyzed: 08-Jul-25								
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
Benzene	2.17	0.050	mg/kg	2.00	108	76.3-129	3.20	15.8		
Toluene	2.22	0.050	mg/kg	2.00	111	84.1-129	3.25	15.9		
Ethylbenzene	2.23	0.050	mg/kg	2.00	112	80.1-133	2.95	16		
m,p-Xylene	4.64	0.100	mg/kg	4.00	116	81.4-134	2.73	16.2		
o-Xylene	2.34	0.050	mg/kg	2.00	117	81.4-133	2.91	16.7		
Total Xylenes	6.98	0.150	mg/kg	6.00	116	81.5-134	2.79	16.3		
Surrogate: 4-Bromofluorobenzene (PID)	0.0505		mg/kg	0.0500	101	71.5-134				

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

**Petroleum Hydrocarbons by GC FID - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Limit	Notes
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**Batch 5070733 - General Prep - Organics**

Blank (5070733-BLK1)				Prepared: 07-Jul-25 Analyzed: 08-Jul-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	38.9		mg/kg	50.0		77.8	44.4-145	
Surrogate: 1-Chlorooctadecane	35.2		mg/kg	50.0		70.5	40.6-153	

LCS (5070733-BS1)				Prepared: 07-Jul-25 Analyzed: 08-Jul-25				
GRO C6-C10	197	10.0	mg/kg	200		98.3	81.5-123	
DRO >C10-C28	200	10.0	mg/kg	200		99.9	77.7-122	
Total TPH C6-C28	396	10.0	mg/kg	400		99.1	80.9-121	
Surrogate: 1-Chlorooctane	43.6		mg/kg	50.0		87.1	44.4-145	
Surrogate: 1-Chlorooctadecane	41.3		mg/kg	50.0		82.7	40.6-153	

LCS Dup (5070733-BSD1)				Prepared: 07-Jul-25 Analyzed: 08-Jul-25				
GRO C6-C10	189	10.0	mg/kg	200		94.4	81.5-123	4.09
DRO >C10-C28	190	10.0	mg/kg	200		95.1	77.7-122	4.89
Total TPH C6-C28	379	10.0	mg/kg	400		94.8	80.9-121	4.49
Surrogate: 1-Chlorooctane	43.0		mg/kg	50.0		85.9	44.4-145	
Surrogate: 1-Chlorooctadecane	40.2		mg/kg	50.0		80.5	40.6-153	

Batch 5070734 - General Prep - Organics				Prepared: 07-Jul-25 Analyzed: 08-Jul-25				
Blank (5070734-BLK1)				Prepared: 07-Jul-25 Analyzed: 08-Jul-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	41.5		mg/kg	50.0		83.1	44.4-145	
Surrogate: 1-Chlorooctadecane	38.0		mg/kg	50.0		75.9	40.6-153	

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**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

**Petroleum Hydrocarbons by GC FID - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Limit	Notes
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**Batch 5070734 - General Prep - Organics**

LCS (5070734-BS1)		Prepared: 07-Jul-25 Analyzed: 08-Jul-25							
GRO C6-C10	186	10.0	mg/kg	200	93.1	81.5-123			
DRO >C10-C28	206	10.0	mg/kg	200	103	77.7-122			
Total TPH C6-C28	392	10.0	mg/kg	400	98.1	80.9-121			
Surrogate: 1-Chlorooctane	47.1		mg/kg	50.0	94.2	44.4-145			
Surrogate: 1-Chlorooctadecane	45.0		mg/kg	50.0	90.0	40.6-153			

LCS Dup (5070734-BSD1)		Prepared: 07-Jul-25 Analyzed: 08-Jul-25						
GRO C6-C10	182	10.0	mg/kg	200	90.9	81.5-123	2.41	13
DRO >C10-C28	205	10.0	mg/kg	200	102	77.7-122	0.614	15.6
Total TPH C6-C28	387	10.0	mg/kg	400	96.7	80.9-121	1.46	18.5
Surrogate: 1-Chlorooctane	47.4		mg/kg	50.0	94.9	44.4-145		
Surrogate: 1-Chlorooctadecane	45.5		mg/kg	50.0	90.9	40.6-153		

**Batch 5070735 - General Prep - Organics**

Blank (5070735-BLK1)		Prepared: 07-Jul-25 Analyzed: 08-Jul-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	38.0		mg/kg	50.0	75.9	44.4-145		
Surrogate: 1-Chlorooctadecane	34.3		mg/kg	50.0	68.5	40.6-153		

LCS (5070735-BS1)		Prepared: 07-Jul-25 Analyzed: 08-Jul-25						
GRO C6-C10	214	10.0	mg/kg	200	107	81.5-123		
DRO >C10-C28	203	10.0	mg/kg	200	101	77.7-122		
Total TPH C6-C28	417	10.0	mg/kg	400	104	80.9-121		
Surrogate: 1-Chlorooctane	44.4		mg/kg	50.0	88.8	44.4-145		
Surrogate: 1-Chlorooctadecane	42.2		mg/kg	50.0	84.3	40.6-153		

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240

Project: RED LAKE 32 2H  
Project Number: NOT GIVEN  
Project Manager: CHRIS JONES  
Fax To:

Reported:  
17-Jul-25 09:47

**Petroleum Hydrocarbons by GC FID - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch 5070735 - General Prep - Organics**

LCS Dup (5070735-BSD1)				Prepared: 07-Jul-25 Analyzed: 08-Jul-25				
GRO C6-C10	206	10.0	mg/kg	200	103	81.5-123	3.48	13
DRO >C10-C28	191	10.0	mg/kg	200	95.6	77.7-122	5.94	15.6
Total TPH C6-C28	398	10.0	mg/kg	400	99.4	80.9-121	4.67	18.5
Surrogate: 1-Chlorooctane	44.2		mg/kg	50.0	88.4	44.4-145		
Surrogate: 1-Chlorooctadecane	41.1		mg/kg	50.0	82.2	40.6-153		

**Batch 5070736 - General Prep - Organics**

Blank (5070736-BLK1)				Prepared: 07-Jul-25 Analyzed: 08-Jul-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	40.9		mg/kg	50.0	81.9	44.4-145		
Surrogate: 1-Chlorooctadecane	35.4		mg/kg	50.0	70.9	40.6-153		

**LCS (5070736-BS1)**

LCS (5070736-BS1)				Prepared: 07-Jul-25 Analyzed: 08-Jul-25				
GRO C6-C10	217	10.0	mg/kg	200	108	81.5-123		
DRO >C10-C28	211	10.0	mg/kg	200	106	77.7-122		
Total TPH C6-C28	428	10.0	mg/kg	400	107	80.9-121		
Surrogate: 1-Chlorooctane	47.3		mg/kg	50.0	94.6	44.4-145		
Surrogate: 1-Chlorooctadecane	43.3		mg/kg	50.0	86.6	40.6-153		

**LCS Dup (5070736-BSD1)**

LCS Dup (5070736-BSD1)				Prepared: 07-Jul-25 Analyzed: 08-Jul-25				
GRO C6-C10	209	10.0	mg/kg	200	105	81.5-123	3.64	13
DRO >C10-C28	201	10.0	mg/kg	200	101	77.7-122	4.83	15.6
Total TPH C6-C28	410	10.0	mg/kg	400	103	80.9-121	4.23	18.5
Surrogate: 1-Chlorooctane	46.3		mg/kg	50.0	92.6	44.4-145		
Surrogate: 1-Chlorooctadecane	42.1		mg/kg	50.0	84.2	40.6-153		

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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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A handwritten signature in black ink that appears to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager



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

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Paragon Environmental		BILL TO			ANALYSIS REQUEST										
Project Manager: Chris Jones		P.O. #:													
Address: 1601 N. Turner St., Ste 500		Company: <i>SLUR Energy</i>													
City: Hobbs		Attn: <i>Kathy Luis</i>													
Phone #: 575-964-7814		Address:													
Fax #: <i>871-425</i>		City:													
Project #: <i>Merak 7 Feb 8 TB Redlake 32</i>		State: Zip:													
Project Name: <i>Eddy County 2H</i>		Phone #:													
Project Location: <i>Francisco Robledo</i>		Fax #:													
FOR LAB USE ONLY		MATRIX			PRESERV.		SAMPLING								
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE	ICE / COOL	OTHER:	DATE	TIME	
<i>H254023</i>	<i>J-1 2'</i> <i>S-2 2'</i> <i>S-3 2'</i> <i>S-4 2'</i> <i>S-5 2'</i> <i>S-6 2'</i> <i>S-7 2'</i> <i>S-8 2'</i> <i>S-9 2'</i> <i>S-10 2'</i>	<input checked="" type="checkbox"/>											<i>7/3</i>		<i>TPH</i> <i>BTEX</i> <i>CHLORIDES</i>

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Relinquished By:	Date: <i>7/3/25</i>	Received By: <i>SRodriguez</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
<i>Fur</i>	Time: <i>1338</i>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		<i>NAPP2509228439</i>
Delivered By: (Circle One)	<i>9.10i CTO-3:</i>	Sample Condition	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	<i>-9.3: #140</i>	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> No	<i>SR</i>
<i>Project name corrected per client. SRodriguez</i>			

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental		BILL TO		ANALYSIS REQUEST					
Project Manager: Chris Jones		P.O. #:							
Address: 1601 N. Turner St., Ste 500		Company: "							
City: Hobbs State: NM zip: 88240		Attn: "							
Phone #: 575-964-7814 Fax #:		Address:							
Project #: Project Owner:		City:							
Project Name: "		State: Zip:							
Project Location: "		Phone #:							
Sampler Name: "		Fax #:							
FOR LAB USE ONLY									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	TPH	BTEX	CHLORIDES
11	S-11 2'	6	GROUNDWATER	SOIL	ACID/BASE:	ICE / COOL.	DATE	TIME	7/3
12	S-12 2'		WASTEWATER	OIL	OTHER :	OTHER :			
13	S-13 2'			SLUDGE					
14	S-14 2'								
15	S-15 2'								
16	S-16 2'								
17	S-17 2'								
18	S-18 2'								
19	S-19 2'								
20	S-20 2'								

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Relinquished By: <i>Fr G a</i>		Date: <u>7-3-25</u> Time: <u>1338</u>	Received By: <i>S. Rodriguez</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS:
Relinquished By:		Date: _____ Time: _____	Received By: _____	
Delivered By: (Circle One) <u>9.0: JCT 0-3:</u>		Sample Condition Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: (Initials) <i>SE</i>	
Sampler - UPS - Bus - Other: <u>9.3: #140</u>				

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

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Paragon Environmental		<b>BILL TO</b>			ANALYSIS REQUEST				
Project Manager: Chris Jones		P.O. #:							
Address: 1601 N. Turner St., Ste 500		Company: <sup>*</sup>							
City: Hobbs	State: NM Zip: 88240	Attn:							
Phone #: 575-964-7814	Fax #:	Address:							
Project #:	Project Owner:	City:							
Project Name: <sup>*</sup>		State: Zip:							
Project Location: <sup>*</sup>		Phone #:							
Sampler Name: <sup>*</sup>		Fax #:							
FOR LAB USE ONLY		Sample I.D.		SAMPLING					
Lab I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	DATE	TIME	CHLORIDES	
1254203				GROUNDWATER					
21	S-21	21		WASTEWATER					
22	S-22	21		SOIL					
23	S-23	21		OIL					
24	S-24	21		SLUDGE					
25	S-25	21		OTHER:					
26	S-26	21		ACID/BASE:					
27	S-27	21		ICE / COOL					
28	S-28	21		OTHER:					
29	S-29	21							
30	S-30	21							

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Relinquished By:	Date: 7325	Received By: <i>skodkigny</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
<i>Tr. m.</i>	Time: 1338		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:
Delivered By: (Circle One)	9-16-2003	Sample Condition	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	-9-3-#140	Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>SP</i>

<sup>\*</sup> Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

101 East Marland, Hobbs, NM 88240  
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Relinquished By:		Date: <i>7-3-25</i>	Received By: <i>Shad Rigney</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS:
Relinquished By:		Time: <i>1338</i>	Received By:	
Delivered By: (Circle One)		<i>-9-6/1 CTO-3-</i>	Sample Condition Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Checked By: (Initials) <i>SJF</i>
Sampler - UPS - Bus - Other:		<i>-9-3- #140</i>		

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

Company Name: Paragon Environmental		<b>BILL TO</b>		ANALYSIS REQUEST					
Project Manager: Chris Jones		P.O. #:							
Address: 1601 N. Turner St., Ste 500		Company: "							
City: Hobbs	State: NM zip: 88240	Attn:							
Phone #: 575-964-7814	Fax #:	Address:							
Project #:	Project Owner:	City:							
Project Name: "		State: Zip:							
Project Location: "		Phone #:							
Sampler Name: "		Fax #:							
FOR LAB USE ONLY									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING			
111	NSW-1 2'	1		GROUNDWATER					
42	ESW-1 2'			WASTEWATER					
43	ESW-2 2'			SOIL					
44	ESW-3 2'			OIL					
45	SSW-1 2'			SLUDGE	OTHER:	ACID/BASE:	DATE	TIME	
46	WSW-1 2'					ICE / COOL			
47	WSW-2 2'					OTHER:			
48	NSW-2 4'								
49	NSW-3 4'								
50	NSW-4 4'								

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Relinquished By:	Date: <u>73-25</u> Time: <u>1338</u>	Received By: <u>St. Rodriguez</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____
Relinquished By:	Date: _____	Received By: _____	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: _____
REMARKS: _____			
Delivered By: (Circle One) <u>9.61/cto-3:</u> Sampler - UPS - Bus - Other: <u>93-#140</u>	Sample Condition Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <u>SP</u>	

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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: Paragon Environmental		BILL TO			ANALYSIS REQUEST						
Project Manager: Chris Jones		P.O. #:									
Address: 1601 N. Turner St., Ste 500		Company: "u"									
City: Hobbs		Attn:									
State: NM Zip: 88240		Address:									
Phone #: 575-964-7814		City:									
Fax #:		State: Zip:									
Project #: Project Owner:		Phone #:									
Project Name: "u"		Fax #:									
Project Location: "u"											
Sampler Name: "u"											
FOR LAB USE ONLY											
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	TPH	BTEX	CHLORINE DSS
10254023	S1 ESW-4 4' S2 ESW-5 4' S3 SSW-2 4' S4 SSW-3 4' S5 WSW-3 4' S6 WSW-4 4' S7 WSW-5 4' S8 S-41 4' S9 S-42 4'	5	GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE: ICE / COOL OTHER :			7/3				

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Relinquished By:	Date: 7-3-25	Received By: Rodriguez	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Time: 1338		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:
Delivered By: (Circle One)	9-6-10-3: -9-3-#140	Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: (Initials) SR
Sampler - UPS - Bus - Other:			

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July 24, 2025

CHRIS JONES  
PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS, NM 88240

RE: RED LAKE 32 2H TB

Enclosed are the results of analyses for samples received by the laboratory on 07/18/25 15:08.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited 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)

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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene  
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
 CHRIS JONES  
 1601 N TURNER ST., STE 500  
 HOBBS NM, 88240  
 Fax To:

Received: 07/18/2025 Sampling Date: 07/18/2025  
 Reported: 07/24/2025 Sampling Type: Soil  
 Project Name: RED LAKE 32 2H TB Sampling Condition: Cool & Intact  
 Project Number: SPUR Sample Received By: Alyssa Parras  
 Project Location: EDDY COUNTY

**Sample ID: S - 1 2' (H254340-01)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2025	ND	2.05	102	2.00	13.6		
Toluene*	<0.050	0.050	07/22/2025	ND	2.02	101	2.00	8.78		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.03	102	2.00	5.49		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.18	103	6.00	5.37		
Total BTEX	<0.300	0.300	07/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/22/2025	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/21/2025	ND	196	97.9	200	0.737		
DRO >C10-C28*	<10.0	10.0	07/21/2025	ND	193	96.7	200	1.37		
EXT DRO >C28-C36	<10.0	10.0	07/21/2025	ND						

Surrogate: 1-Chlorooctane 77.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
 CHRIS JONES  
 1601 N TURNER ST., STE 500  
 HOBBS NM, 88240  
 Fax To:

Received: 07/18/2025 Sampling Date: 07/18/2025  
 Reported: 07/24/2025 Sampling Type: Soil  
 Project Name: RED LAKE 32 2H TB Sampling Condition: Cool & Intact  
 Project Number: SPUR Sample Received By: Alyssa Parras  
 Project Location: EDDY COUNTY

**Sample ID: S - 2 2' (H254340-02)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2025	ND	2.05	102	2.00	13.6		
Toluene*	<0.050	0.050	07/22/2025	ND	2.02	101	2.00	8.78		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.03	102	2.00	5.49		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.18	103	6.00	5.37		
Total BTEX	<0.300	0.300	07/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/22/2025	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/21/2025	ND	196	97.9	200	0.737		
DRO >C10-C28*	<10.0	10.0	07/21/2025	ND	193	96.7	200	1.37		
EXT DRO >C28-C36	<10.0	10.0	07/21/2025	ND						

Surrogate: 1-Chlorooctane 78.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
 CHRIS JONES  
 1601 N TURNER ST., STE 500  
 HOBBS NM, 88240  
 Fax To:

Received: 07/18/2025 Sampling Date: 07/18/2025  
 Reported: 07/24/2025 Sampling Type: Soil  
 Project Name: RED LAKE 32 2H TB Sampling Condition: Cool & Intact  
 Project Number: SPUR Sample Received By: Alyssa Parras  
 Project Location: EDDY COUNTY

**Sample ID: S - 3 2' (H254340-03)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2025	ND	2.05	102	2.00	13.6		
Toluene*	<0.050	0.050	07/22/2025	ND	2.02	101	2.00	8.78		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.03	102	2.00	5.49		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.18	103	6.00	5.37		
Total BTEX	<0.300	0.300	07/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/22/2025	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/21/2025	ND	196	97.9	200	0.737		
DRO >C10-C28*	<10.0	10.0	07/21/2025	ND	193	96.7	200	1.37		
EXT DRO >C28-C36	<10.0	10.0	07/21/2025	ND						

Surrogate: 1-Chlorooctane 79.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
 CHRIS JONES  
 1601 N TURNER ST., STE 500  
 HOBBS NM, 88240  
 Fax To:

Received: 07/18/2025 Sampling Date: 07/18/2025  
 Reported: 07/24/2025 Sampling Type: Soil  
 Project Name: RED LAKE 32 2H TB Sampling Condition: Cool & Intact  
 Project Number: SPUR Sample Received By: Alyssa Parras  
 Project Location: EDDY COUNTY

**Sample ID: S - 4 2' (H254340-04)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2025	ND	2.05	102	2.00	13.6		
Toluene*	<0.050	0.050	07/22/2025	ND	2.02	101	2.00	8.78		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.03	102	2.00	5.49		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.18	103	6.00	5.37		
Total BTEX	<0.300	0.300	07/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/22/2025	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/21/2025	ND	196	97.9	200	0.737		
DRO >C10-C28*	<10.0	10.0	07/21/2025	ND	193	96.7	200	1.37		
EXT DRO >C28-C36	<10.0	10.0	07/21/2025	ND						

Surrogate: 1-Chlorooctane 77.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
 CHRIS JONES  
 1601 N TURNER ST., STE 500  
 HOBBS NM, 88240  
 Fax To:

Received: 07/18/2025 Sampling Date: 07/18/2025  
 Reported: 07/24/2025 Sampling Type: Soil  
 Project Name: RED LAKE 32 2H TB Sampling Condition: Cool & Intact  
 Project Number: SPUR Sample Received By: Alyssa Parras  
 Project Location: EDDY COUNTY

**Sample ID: S - 6 2' (H254340-05)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2025	ND	2.05	102	2.00	13.6		
Toluene*	<0.050	0.050	07/22/2025	ND	2.02	101	2.00	8.78		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.03	102	2.00	5.49		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.18	103	6.00	5.37		
Total BTEX	<0.300	0.300	07/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/22/2025	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/21/2025	ND	196	97.9	200	0.737		
DRO >C10-C28*	<10.0	10.0	07/21/2025	ND	193	96.7	200	1.37		
EXT DRO >C28-C36	<10.0	10.0	07/21/2025	ND						

Surrogate: 1-Chlorooctane 79.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

PARAGON ENVIRONMENTAL  
 CHRIS JONES  
 1601 N TURNER ST., STE 500  
 HOBBS NM, 88240  
 Fax To:

Received: 07/18/2025 Sampling Date: 07/18/2025  
 Reported: 07/24/2025 Sampling Type: Soil  
 Project Name: RED LAKE 32 2H TB Sampling Condition: Cool & Intact  
 Project Number: SPUR Sample Received By: Alyssa Parras  
 Project Location: EDDY COUNTY

**Sample ID: S - 8 2' (H254340-06)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2025	ND	2.05	102	2.00	13.6		
Toluene*	<0.050	0.050	07/22/2025	ND	2.02	101	2.00	8.78		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.03	102	2.00	5.49		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.18	103	6.00	5.37		
Total BTEX	<0.300	0.300	07/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	07/22/2025	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/21/2025	ND	196	97.9	200	0.737		
DRO >C10-C28*	<10.0	10.0	07/21/2025	ND	193	96.7	200	1.37		
EXT DRO >C28-C36	<10.0	10.0	07/21/2025	ND						

Surrogate: 1-Chlorooctane 79.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

PARAGON ENVIRONMENTAL  
 CHRIS JONES  
 1601 N TURNER ST., STE 500  
 HOBBS NM, 88240  
 Fax To:

Received: 07/18/2025 Sampling Date: 07/18/2025  
 Reported: 07/24/2025 Sampling Type: Soil  
 Project Name: RED LAKE 32 2H TB Sampling Condition: Cool & Intact  
 Project Number: SPUR Sample Received By: Alyssa Parras  
 Project Location: EDDY COUNTY

**Sample ID: NSW - 3 4' (H254340-07)**

<b>BTEX 8021B</b>		<b>mg/kg</b>		<b>Analyzed By: JH</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2025	ND	2.05	102	2.00	13.6		
Toluene*	<0.050	0.050	07/22/2025	ND	2.02	101	2.00	8.78		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.03	102	2.00	5.49		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.18	103	6.00	5.37		
Total BTEX	<0.300	0.300	07/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

<b>Chloride, SM4500Cl-B</b>		<b>mg/kg</b>		<b>Analyzed By: AC</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>96.0</b>	16.0	07/22/2025	ND	464	116	400	3.39		

<b>TPH 8015M</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/21/2025	ND	196	97.9	200	0.737		
DRO >C10-C28*	<10.0	10.0	07/21/2025	ND	193	96.7	200	1.37		
EXT DRO >C28-C36	<10.0	10.0	07/21/2025	ND						

Surrogate: 1-Chlorooctane 76.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
 CHRIS JONES  
 1601 N TURNER ST., STE 500  
 HOBBS NM, 88240  
 Fax To:

Received: 07/18/2025 Sampling Date: 07/18/2025  
 Reported: 07/24/2025 Sampling Type: Soil  
 Project Name: RED LAKE 32 2H TB Sampling Condition: Cool & Intact  
 Project Number: SPUR Sample Received By: Alyssa Parras  
 Project Location: EDDY COUNTY

**Sample ID: NSW - 4 4' (H254340-08)**

<b>BTEX 8021B</b>		<b>mg/kg</b>		<b>Analyzed By: JH</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2025	ND	2.05	102	2.00	13.6		
Toluene*	<0.050	0.050	07/22/2025	ND	2.02	101	2.00	8.78		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.03	102	2.00	5.49		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.18	103	6.00	5.37		
Total BTEX	<0.300	0.300	07/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

<b>Chloride, SM4500Cl-B</b>		<b>mg/kg</b>		<b>Analyzed By: AC</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>64.0</b>	16.0	07/22/2025	ND	464	116	400	3.39		

<b>TPH 8015M</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/21/2025	ND	196	97.9	200	0.737		
DRO >C10-C28*	<10.0	10.0	07/21/2025	ND	193	96.7	200	1.37		
EXT DRO >C28-C36	<10.0	10.0	07/21/2025	ND						

Surrogate: 1-Chlorooctane 76.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
 CHRIS JONES  
 1601 N TURNER ST., STE 500  
 HOBBS NM, 88240  
 Fax To:

Received: 07/18/2025 Sampling Date: 07/18/2025  
 Reported: 07/24/2025 Sampling Type: Soil  
 Project Name: RED LAKE 32 2H TB Sampling Condition: Cool & Intact  
 Project Number: SPUR Sample Received By: Alyssa Parras  
 Project Location: EDDY COUNTY

**Sample ID: ESW - 4 4' (H254340-09)**

<b>BTEX 8021B</b>		<b>mg/kg</b>		<b>Analyzed By: JH</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2025	ND	2.05	102	2.00	13.6		
Toluene*	<0.050	0.050	07/22/2025	ND	2.02	101	2.00	8.78		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.03	102	2.00	5.49		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.18	103	6.00	5.37		
Total BTEX	<0.300	0.300	07/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

<b>Chloride, SM4500Cl-B</b>		<b>mg/kg</b>		<b>Analyzed By: AC</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>112</b>	16.0	07/22/2025	ND	464	116	400	3.39		

<b>TPH 8015M</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/21/2025	ND	189	94.5	200	4.41		
DRO >C10-C28*	<10.0	10.0	07/21/2025	ND	193	96.4	200	3.71		
EXT DRO >C28-C36	<10.0	10.0	07/21/2025	ND						

Surrogate: 1-Chlorooctane 83.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
 CHRIS JONES  
 1601 N TURNER ST., STE 500  
 HOBBS NM, 88240  
 Fax To:

Received: 07/18/2025 Sampling Date: 07/18/2025  
 Reported: 07/24/2025 Sampling Type: Soil  
 Project Name: RED LAKE 32 2H TB Sampling Condition: Cool & Intact  
 Project Number: SPUR Sample Received By: Alyssa Parras  
 Project Location: EDDY COUNTY

**Sample ID: ESW - 5 4' (H254340-10)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2025	ND	2.05	102	2.00	13.6		
Toluene*	<0.050	0.050	07/22/2025	ND	2.02	101	2.00	8.78		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.03	102	2.00	5.49		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.18	103	6.00	5.37		
Total BTEX	<0.300	0.300	07/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/22/2025	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/21/2025	ND	189	94.5	200	4.41		
DRO >C10-C28*	<10.0	10.0	07/21/2025	ND	193	96.4	200	3.71		
EXT DRO >C28-C36	<10.0	10.0	07/21/2025	ND						

Surrogate: 1-Chlorooctane 86.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.1 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
 CHRIS JONES  
 1601 N TURNER ST., STE 500  
 HOBBS NM, 88240  
 Fax To:

Received:	07/18/2025	Sampling Date:	07/18/2025
Reported:	07/24/2025	Sampling Type:	Soil
Project Name:	RED LAKE 32 2H TB	Sampling Condition:	Cool & Intact
Project Number:	SPUR	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY		

**Sample ID: SSW - 2 4' (H254340-11)**

<b>BTEX 8021B</b>		<b>mg/kg</b>		<b>Analyzed By: JH</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2025	ND	2.05	102	2.00	13.6		
Toluene*	<0.050	0.050	07/22/2025	ND	2.02	101	2.00	8.78		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.03	102	2.00	5.49		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.18	103	6.00	5.37		
Total BTEX	<0.300	0.300	07/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

<b>Chloride, SM4500Cl-B</b>		<b>mg/kg</b>		<b>Analyzed By: AC</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>64.0</b>	16.0	07/22/2025	ND	464	116	400	3.39		

<b>TPH 8015M</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/21/2025	ND	189	94.5	200	4.41		
DRO >C10-C28*	<10.0	10.0	07/21/2025	ND	193	96.4	200	3.71		
EXT DRO >C28-C36	<10.0	10.0	07/21/2025	ND						

Surrogate: 1-Chlorooctane 84.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
 CHRIS JONES  
 1601 N TURNER ST., STE 500  
 HOBBS NM, 88240  
 Fax To:

Received:	07/18/2025	Sampling Date:	07/18/2025
Reported:	07/24/2025	Sampling Type:	Soil
Project Name:	RED LAKE 32 2H TB	Sampling Condition:	Cool & Intact
Project Number:	SPUR	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY		

**Sample ID: SSW - 3 4' (H254340-12)**

<b>BTEX 8021B</b>		<b>mg/kg</b>		<b>Analyzed By: JH</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2025	ND	2.05	102	2.00	13.6		
Toluene*	<0.050	0.050	07/22/2025	ND	2.02	101	2.00	8.78		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.03	102	2.00	5.49		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.18	103	6.00	5.37		
Total BTEX	<0.300	0.300	07/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

<b>Chloride, SM4500Cl-B</b>		<b>mg/kg</b>		<b>Analyzed By: AC</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>80.0</b>	16.0	07/22/2025	ND	464	116	400	3.39		

<b>TPH 8015M</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/21/2025	ND	189	94.5	200	4.41		
DRO >C10-C28*	<10.0	10.0	07/21/2025	ND	193	96.4	200	3.71		
EXT DRO >C28-C36	<10.0	10.0	07/21/2025	ND						

Surrogate: 1-Chlorooctane 82.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
 CHRIS JONES  
 1601 N TURNER ST., STE 500  
 HOBBS NM, 88240  
 Fax To:

Received: 07/18/2025 Sampling Date: 07/18/2025  
 Reported: 07/24/2025 Sampling Type: Soil  
 Project Name: RED LAKE 32 2H TB Sampling Condition: Cool & Intact  
 Project Number: SPUR Sample Received By: Alyssa Parras  
 Project Location: EDDY COUNTY

**Sample ID: WSW - 3 4' (H254340-13)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2025	ND	2.05	102	2.00	13.6		
Toluene*	<0.050	0.050	07/22/2025	ND	2.02	101	2.00	8.78		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.03	102	2.00	5.49		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.18	103	6.00	5.37		
Total BTEX	<0.300	0.300	07/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/22/2025	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/21/2025	ND	189	94.5	200	4.41		
DRO >C10-C28*	<10.0	10.0	07/21/2025	ND	193	96.4	200	3.71		
EXT DRO >C28-C36	<10.0	10.0	07/21/2025	ND						

Surrogate: 1-Chlorooctane 84.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
 CHRIS JONES  
 1601 N TURNER ST., STE 500  
 HOBBS NM, 88240  
 Fax To:

Received: 07/18/2025 Sampling Date: 07/18/2025  
 Reported: 07/24/2025 Sampling Type: Soil  
 Project Name: RED LAKE 32 2H TB Sampling Condition: Cool & Intact  
 Project Number: SPUR Sample Received By: Alyssa Parras  
 Project Location: EDDY COUNTY

**Sample ID: WSW - 4 4' (H254340-14)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2025	ND	2.01	100	2.00	11.8		
Toluene*	<0.050	0.050	07/22/2025	ND	2.08	104	2.00	7.56		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.06	103	2.00	5.42		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.05	101	6.00	5.32		
Total BTEX	<0.300	0.300	07/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/22/2025	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/21/2025	ND	189	94.5	200	4.41		
DRO >C10-C28*	<10.0	10.0	07/21/2025	ND	193	96.4	200	3.71		
EXT DRO >C28-C36	<10.0	10.0	07/21/2025	ND						

Surrogate: 1-Chlorooctane 85.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
 CHRIS JONES  
 1601 N TURNER ST., STE 500  
 HOBBS NM, 88240  
 Fax To:

Received: 07/18/2025 Sampling Date: 07/18/2025  
 Reported: 07/24/2025 Sampling Type: Soil  
 Project Name: RED LAKE 32 2H TB Sampling Condition: Cool & Intact  
 Project Number: SPUR Sample Received By: Alyssa Parras  
 Project Location: EDDY COUNTY

**Sample ID: WSW - 5 4' (H254340-15)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2025	ND	2.01	100	2.00	11.8		
Toluene*	<0.050	0.050	07/22/2025	ND	2.08	104	2.00	7.56		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.06	103	2.00	5.42		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.05	101	6.00	5.32		
Total BTEX	<0.300	0.300	07/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/22/2025	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/21/2025	ND	189	94.5	200	4.41		
DRO >C10-C28*	<10.0	10.0	07/21/2025	ND	193	96.4	200	3.71		
EXT DRO >C28-C36	<10.0	10.0	07/21/2025	ND						

Surrogate: 1-Chlorooctane 83.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

### Notes and Definitions

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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A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

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

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Relinquished By:		Date: <u>7-18-25</u> Time: <u>1508</u>	Received By: <u>Asanas</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:		Date: _____ Time: _____	Received By: _____	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Delivered By: (Circle One) <u>4.25</u> / <u>4.23</u>		Sample Condition Copl. Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: (Initials) <u>PP</u>	REMARKS: <u>1APP2509728439</u>
Sampler - UPS - Bus - Other: <u>4.75</u> / <u>#145</u>				



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental		<b>BILL TO</b>			<b>ANALYSIS REQUEST</b>															
Project Manager: Chris Jones		P.O. #:																		
Address: 1601 N. Turner St., Ste 500		Company: #																		
City: Hobbs		Attn: #																		
Phone #: 575-964-7814		Address:																		
Project #: #		City:																		
Project Name: #		State: Zip:																		
Project Location: #		Phone #:																		
Sampler Name: #		Fax #:																		
FOR LAB USE ONLY																				
Lab I.D.		Sample I.D.																		
HOB 34		11	SSW-2	4'	C	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	TPH	BTEX	CHLORIDES						
12		SSW-3	4'																	
13		W3W-3	4'																	
14		W3W-4	4'																	
15		W3W-5	4'																	

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Relinquished By:	Date: <u>7-18-25</u>	Received By: <u>Paragon</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
<u>Chris Jones</u>	Time: <u>1508</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:	
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One)		Sample Condition	CHECKED BY:	
4-46 / 40-3		Cool Intact	(Initials)	
4-70 / 4145		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Yes	<u>AP</u>	
Sampler - UPS - Bus - Other:		<input type="checkbox"/> No <input type="checkbox"/> No		



---

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

August 20, 2025

CHRIS JONES  
PARAGON ENVIRONMENTAL  
1601 N TURNER ST., STE 500  
HOBBS, NM 88240

RE: RED LAKE 32 2H

Enclosed are the results of analyses for samples received by the laboratory on 08/14/25 15:56.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited 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)

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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene  
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PARAGON ENVIRONMENTAL  
 CHRIS JONES  
 1601 N TURNER ST., STE 500  
 HOBBS NM, 88240  
 Fax To:

Received:	08/14/2025	Sampling Date:	08/11/2025
Reported:	08/20/2025	Sampling Type:	Soil
Project Name:	RED LAKE 32 2H	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	SPUR-EDDY CO		

**Sample ID: BACKFILL - 1 (H255059-01)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2025	ND	1.92	95.8	2.00	3.73		
Toluene*	<0.050	0.050	08/15/2025	ND	1.99	99.3	2.00	5.12		
Ethylbenzene*	<0.050	0.050	08/15/2025	ND	1.98	98.8	2.00	5.64		
Total Xylenes*	<0.150	0.150	08/15/2025	ND	6.06	101	6.00	5.23		
Total BTEX	<0.300	0.300	08/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/18/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/15/2025	ND	187	93.3	200	0.889		
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	203	102	200	1.42		
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND						

Surrogate: 1-Chlorooctane 80.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

S-04      The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

QR-03     The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

QM-07     The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

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

Cardinal Laboratories

\*=Accredited Analyte

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A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

101 East Marland, Hobbs, NM 88240  
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Relinquished By:		Date: <u>8-14-25</u>	Received By: <u>Adams</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
		Time: <u>1550</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Relinquished By:		Date: <u></u>	Received By: <u></u>	REMARKS: <u>NAPP 25097 28439</u>
		Time: <u></u>		
Delivered By: (Circle One)		<u>4.3L</u>   <u>403-</u>	Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> <u>Y</u> es <input type="checkbox"/> Yes <u>N</u> o <input type="checkbox"/> No	CHECKED BY: (Initials) <u>AP</u>
Sampler - UPS - Bus - Other:		<u>4.6-</u> # <u>140</u>		

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QUESTIONS

Action 521054

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

## QUESTIONS

Operator:  Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 521054
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

## QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2509728439
Incident Name	NAPP2509728439 RED LAKE 32 STATE 2H @ 30-015-44948
Incident Type	Release Other
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-44948] RED LAKE 32 STATE #002H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	RED LAKE 32 STATE 2H
Date Release Discovered	04/03/2025
Surface Owner	State

Incident Details	
Please answer all the questions in this group.	
Incident Type	Release 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	Cause: Equipment Failure   Well   Crude Oil   Released: 2 BBL   Recovered: 1 BBL   Lost: 1 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Well   Produced Water   Released: 22 BBL   Recovered: 21 BBL   Lost: 1 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	PACKING FAILED ON THE WELLHEAD RELEASING AN OIL AND PW MIX ON TO THE LOCATION PAD

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QUESTIONS, Page 2

Action 521054

**QUESTIONS (continued)**

Operator:  Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 521054
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.

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

<b>Initial Response</b>	
<i>The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.</i>	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	N/A

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

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

I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: <a href="mailto:katherine.purvis@spurenergy.com">katherine.purvis@spurenergy.com</a> Date: 10/29/2025
--	---

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QUESTIONS, Page 3

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
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Action 521054

**QUESTIONS (continued)**

Operator:  Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 521054
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS****Site Characterization**

*Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1/2 and 1 (mi.)
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**Remediation Plan**

*Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	1570
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	350.6
GRO+DRO (EPA SW-846 Method 8015M)	285
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	05/27/2025
On what date will (or did) the final sampling or liner inspection occur	07/18/2025
On what date will (or was) the remediation complete(d)	07/30/2025
What is the estimated surface area (in square feet) that will be reclaimed	7800
What is the estimated volume (in cubic yards) that will be reclaimed	736
What is the estimated surface area (in square feet) that will be remediated	7800
What is the estimated volume (in cubic yards) that will be remediated	736

*These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.*

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

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Action 521054

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
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**QUESTIONS (continued)**

Operator:  Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 521054
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

**Remediation Plan (continued)**

*Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

**This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:**

*(Select all answers below that apply.)*

(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	fEEM0112342028 LEA LAND LANDFILL
OR which OCD approved well (API) will be used for <b>off-site</b> disposal	<i>Not answered.</i>
OR is the <b>off-site</b> disposal site, to be used, out-of-state	<i>Not answered.</i>
OR is the <b>off-site</b> disposal site, to be used, an NMED facility	<i>Not answered.</i>
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	<i>Not answered.</i>
(In Situ) Soil Vapor Extraction	<i>Not answered.</i>
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<i>Not answered.</i>
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<i>Not answered.</i>
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<i>Not answered.</i>
Ground Water Abatement pursuant to 19.15.30 NMAC	<i>Not answered.</i>
OTHER (Non-listed remedial process)	<i>Not answered.</i>

*Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.*

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

I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 10/29/2025
--	--

*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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Action 521054

**State of New Mexico**  
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**QUESTIONS (continued)**

Operator:  Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 521054
	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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Action 521054

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
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**QUESTIONS (continued)**

Operator:  Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:  328947
	Action Number:  521054
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	492822
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/11/2025
What was the (estimated) number of samples that were to be gathered	1
What was the sampling surface area in square feet	200

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	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	7800
What was the total volume (cubic yards) remediated	736
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	7800
What was the total volume (in cubic yards) reclaimed	736
Summarize any additional remediation activities not included by answers (above)	SOIL CONTAMINANTS WERE REMOVED IN ACCORDANCE WITH THE MOST STRINGENT STANDARDS SET FORTH BY NMOCD

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

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

I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: <a href="mailto:katherine.purvis@spurenergy.com">katherine.purvis@spurenergy.com</a> Date: 10/29/2025
--	---

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Action 521054

**QUESTIONS (continued)**

Operator:  Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 521054
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

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

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CONDITIONS

Action 521054

**CONDITIONS**

Operator:  Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 521054
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**CONDITIONS**

Created By	Condition	Condition Date
nvelez	Remediation closure report approved, release resolved. Significant watercourse and riverine wetlands are both 300-500 feet from the closest edge of the release. Lab Chain-of-Custody Record (COCR) is a legally binding document and must be furnished with completed information [e.g. time sample(s) collected]. In all the future submittals, Spur must list all site characterization distances accurately and complete lab COCR completely.	12/23/2025