

# PERMIAN

## RESOURCES

**RANA SALADA PAD L CTB @ 0**

**Remediation/Reclamation Completion**

**NAPP2417936595**

**L-1-23S-28E**

**Land Owner: Federal**

**32.333978,-104.047825**



2525 NW County Rd  
Hobbs, NM 88240  
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## Introduction

This report represents the reclamation activities at the RANA SALADA PAD L CTB @ 0. On behalf of Permian Resources (Permian), Diamondback Disposal Services, Inc. (Diamondback) is tasked with the cleanup (remediation) and reclamation of release number NAPP2417936595. The release was caused by an overflowed pressure vessel, leading to the spill that necessitated remediation efforts. The site resides in Unit Letter L, Section 1, Township 23S, Range 28E at coordinates 32.333811, -104.0477216. The remediation and reclamation were performed in general accordance with the New Mexico Oil Conservation Division (NMOCD) and 19.15.29 and 19.2.100.67 of the New Mexico Administrative Code (NMAC) effective date August 14, 2018. Additional requirements detailed by BLM regulations were also adhered to.

The site is located approximately 4 miles Northeast of Loving, NM and resides in an area designated for oil and gas operation. Background information was gathered on the site. Web soil survey results (see Appendix A) indicated native site soil to be gravelly fine sandy loam from 0-19". The operation did not encroach outside of the permitted right away and no re-vegetation plan will be needed.

A review of the site characteristics and a search of the groundwater database maintained by the New Mexico Office of the State Engineer (NMOSE) were conducted to assess the depth to groundwater within a one (1) mile radius of the remediated site and to identify any registered water wells within a ½-mile radius of the release site. All wells within the 1-mile radius were exploratory, with no actual water data reported, but this indicates that groundwater is at a depth greater than 51 feet below ground surface (BGS). One exploratory well, located at the edge of the ½-mile radius and identified as C 04609 POD1, was advanced to a depth of 51 feet; a detailed summary of this well is provided in Appendix B. The nearest wetland was identified at 0.22 miles to the northeast of the site. Karst potential for the site is classified as medium, which under Bureau of Land Management (BLM) jurisdiction is treated equivalently to high. Consequently, the most stringent remediation criteria have been applied, and the site was evaluated using the closure criteria outlined in Table 1 of NMAC 19.15.29.12 for groundwater depths of less than 50 feet (see table below).

Table 1 NMAC 19.15.29.12 Closure Criteria for Soils Impacted by a Release		
<50 Feet	Chloride	600 mg/kg
	TPH (GRO+DRO+MRO)	100 mg/kg
	BTEX	50 mg/kg
	Benzene	10 mg/kg

### Remediation/Reclamation Activities

Between September 18<sup>th</sup>, 2024, and October 25<sup>th</sup>, 2024, Diamondback excavated approximately 720 cubic yards (cy) of impacted material. The first day of excavation involved hydro-excavation, during which four additional lines were discovered. Manual excavation was immediately halted, and hydro-excavators spent the next two weeks exposing all identified lines to ensure their safety and integrity before proceeding with further excavation. The material was stockpiled on a plastic barrier until November 22<sup>nd</sup>, 2024, when it was loaded onto 20-yard trucks and hauled to the Lea Land LLC Landfill for final disposal. During this period, the site was field-tested for chloride levels and TPH values.

The NMOCD was notified of the intent to begin confirmation sampling of the excavation on October 14<sup>th</sup>, 2024 and October 23<sup>rd</sup>, 2024. Subsequently the site was sampled to determine if the RRALs had been met. Five-point composite samples were collected from every 200 square feet of sidewall and floor area, packaged, and delivered to a third-party lab with a chain of custody for testing in accordance with regulatory standards. Upon review of the analytical results, several floor samples (see Appendix C) were found to exceed closure criteria. On October 22<sup>nd</sup>, 2024, additional excavation and sampling were conducted in the areas that failed to meet the RRALs. After reviewing the subsequent laboratory data, all floor and wall samples were confirmed to be below the Table 1 RRALs for site closure. Referring to Table 1 Closure Criteria for groundwater less than 50 feet BGS, all restoration and reclamation limits have been met.

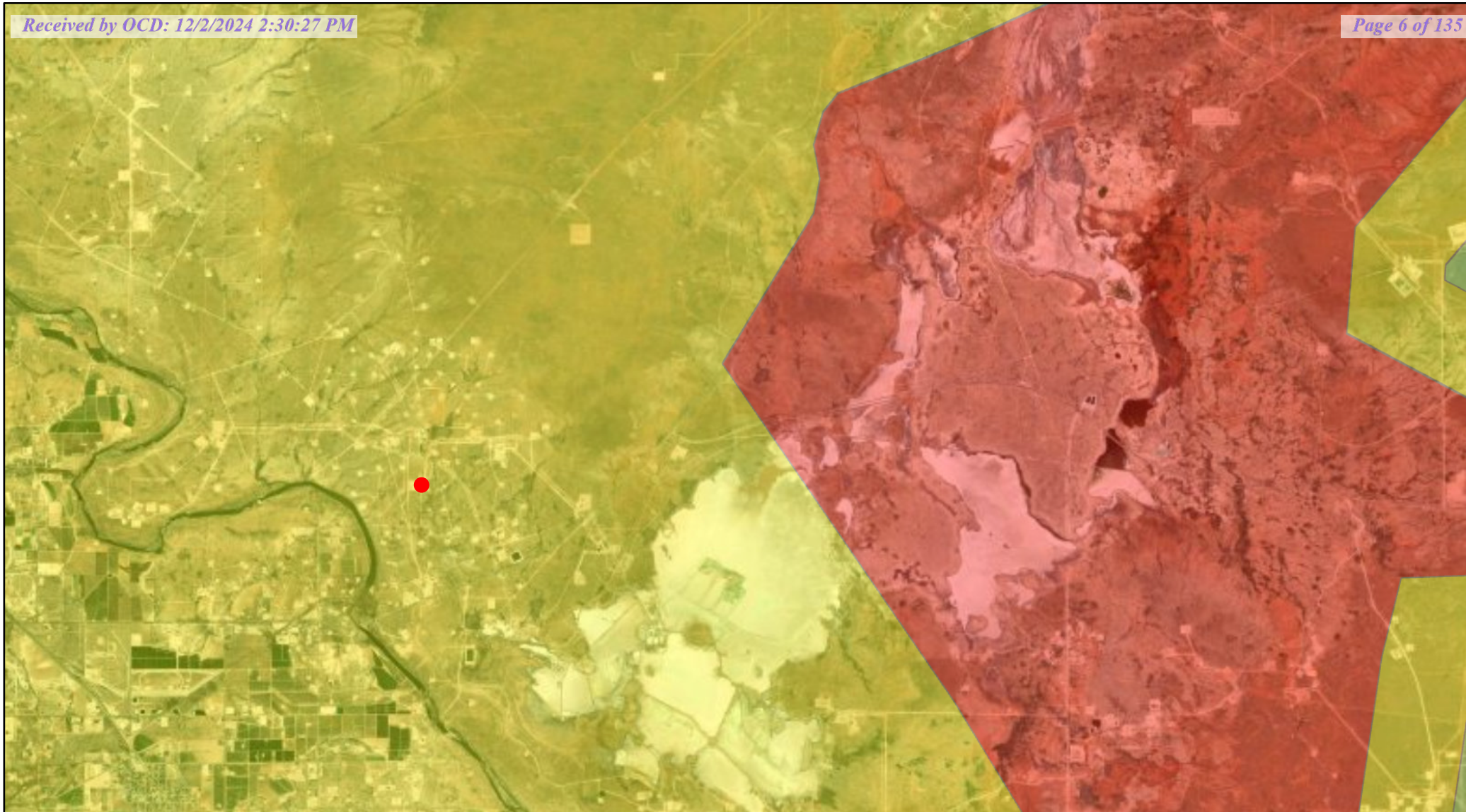
On October 24<sup>th</sup>, 2024, the on-pad area was back-filled with approximately 400 cubic yards of caliche obtained from Mo's Crushing. The material was carefully placed and compacted to restore the pad to full operational condition while preventing storm water runoff. Additionally, on November 20<sup>th</sup>, 2024, the right-of-way (ROW) was back-filled using locally sourced topsoil, which was graded and blended to match the surrounding terrain. This work was conducted to ensure proper drainage, minimize erosion, and maintain consistency with existing site conditions.

### Conclusion

Upon final review of all analytical data provided by the third-party independent lab, results indicated that all recommended remediation action levels restoration/reclamation criteria were met for all excavated areas. On behalf of Permian Resources, Diamondback Disposal Services respectfully requests that the NMOCD and BLM grant closure approval at RANA SALADA PAD L CTB @ 0 for release number NAPP2417936595. Thank you for your consideration.

# **Appendix A**

## **Site Characterization**



## Karst Potential

0 0.5 1 2  
mi



**New Mexico State Land Office**

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Data pertaining to New Mexico State Trust Lands are provisional and subject to revision, and do not constitute an official record of title. Official records may be reviewed at the New Mexico State Land Office in Santa Fe, New Mexico.

*Released to Imaging: 3/13/2025 4:41:15 PM*

Map Created: 10/22/2024

● User drawn points

Karst\_Potential\_NM

Potential



High



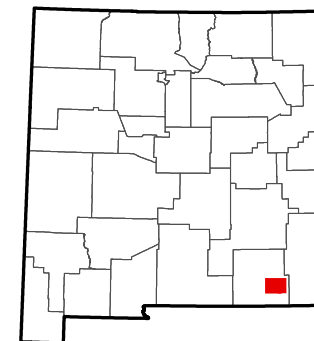
Medium



Low



Critical\_Karst\_Zone\_NM

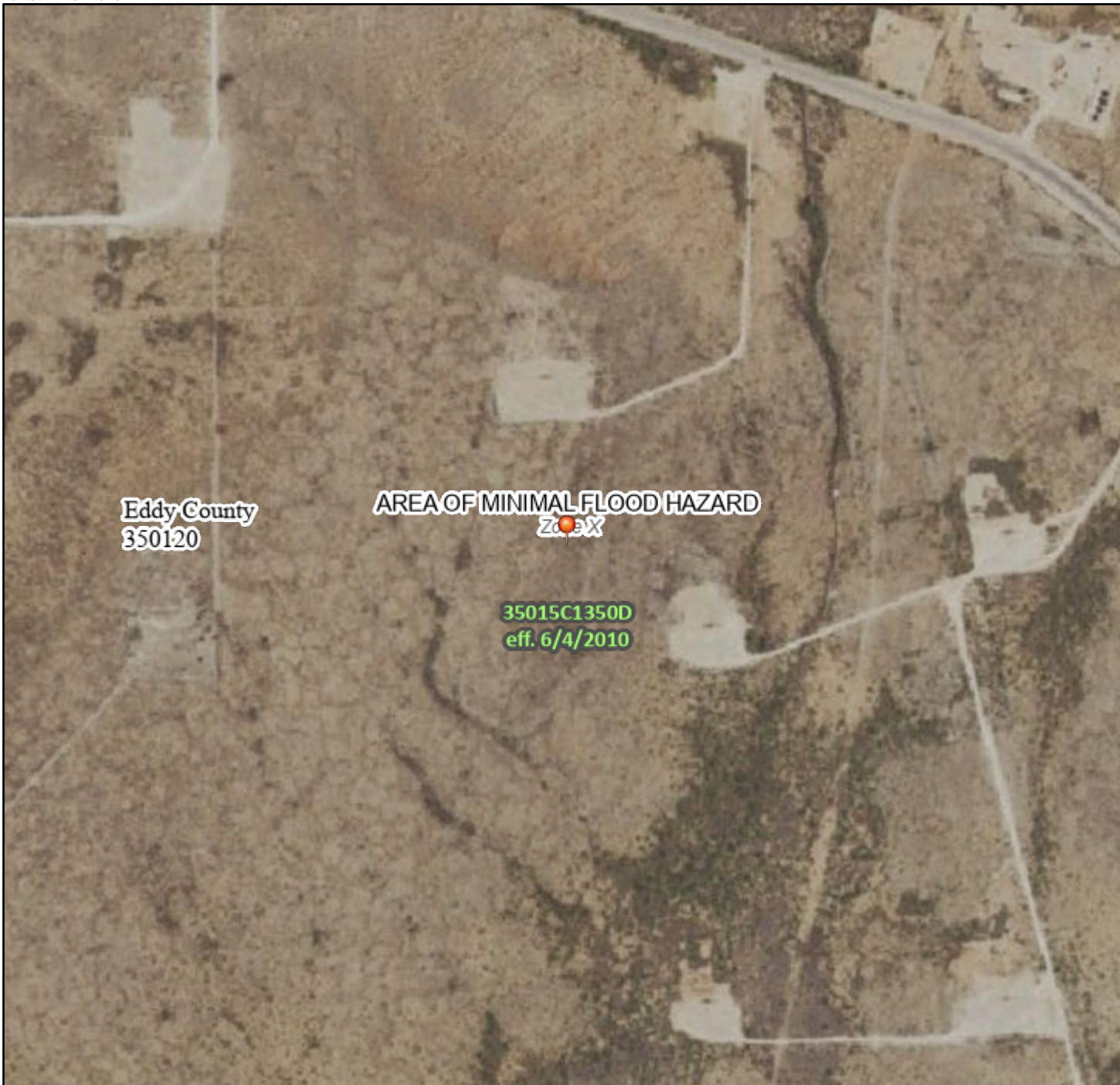




# National Flood Hazard Layer FIRMette



104°3'11"W 32°20'16"N



1:6,000

104°2'33"W 32°19'46"N

Basemap Imagery Source: USGS National Map 2023

## 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
OTHER AREAS OF FLOOD HAZARD		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
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		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 **10/22/2024 at 2:07 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.





# Rana Salada Pad L Wetlands Inventory



October 22, 2024

## Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.





United States  
Department of  
Agriculture

**NRCS**

Natural  
Resources  
Conservation  
Service

A product of the National  
Cooperative Soil Survey,  
a joint effort of the United  
States Department of  
Agriculture and other  
Federal agencies, State  
agencies including the  
Agricultural Experiment  
Stations, and local  
participants

# Custom Soil Resource Report for Eddy Area, New Mexico

**Rana Salada Pad L**



November 27, 2024

# Preface

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Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist ([http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2\\_053951](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951)).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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## How Soil Surveys Are Made

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Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

## Custom Soil Resource Report

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and



## Custom Soil Resource Report

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

## Soil Map

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The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

# Custom Soil Resource Report Soil Map






## Custom Soil Resource Report

## MAP LEGEND

## Area of Interest (AOI)

 Area of Interest (AOI)


## Soils


 Soil Map Unit Polygons


 Soil Map Unit Lines


 Soil Map Unit Points

## Special Point Features

 Blowout

 Borrow Pit


 Clay Spot

 Closed Depression

 Gravel Pit

 Gravelly Spot

 Landfill

 Lava Flow

 Marsh or swamp

 Mine or Quarry

 Miscellaneous Water

 Perennial Water

 Rock Outcrop

 Saline Spot

 Sandy Spot

 Severely Eroded Spot


 Sinkhole

 Slide or Slip


 Sodic Spot

 Spoil Area

 Stony Spot


 Very Stony Spot

 Wet Spot

 Other

 Special Line Features

## Water Features

 Streams and Canals

## Transportation

 Rails


 Interstate Highways

 US Routes

 Major Roads

 Local Roads

## Background

 Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service  
Web Soil Survey URL:  
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico  
Survey Area Data: Version 20, Sep 3, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 12, 2022—Dec 2, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

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## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
SM	Simona-Bippus complex, 0 to 5 percent slopes	2.3	100.0%
<b>Totals for Area of Interest</b>		<b>2.3</b>	<b>100.0%</b>

## Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

## Custom Soil Resource Report

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.



## Custom Soil Resource Report

**Eddy Area, New Mexico****SM—Simona-Bippus complex, 0 to 5 percent slopes****Map Unit Setting**

*National map unit symbol:* 1w5x  
*Elevation:* 1,800 to 5,000 feet  
*Mean annual precipitation:* 8 to 24 inches  
*Mean annual air temperature:* 57 to 70 degrees F  
*Frost-free period:* 180 to 230 days  
*Farmland classification:* Not prime farmland

**Map Unit Composition**

*Simona and similar soils:* 55 percent  
*Bippus and similar soils:* 30 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Simona****Setting**

*Landform:* Plains, alluvial fans  
*Landform position (three-dimensional):* Rise  
*Down-slope shape:* Convex, linear  
*Across-slope shape:* Linear  
*Parent material:* Mixed alluvium and/or eolian sands

**Typical profile**

*H1 - 0 to 19 inches:* gravelly fine sandy loam  
*H2 - 19 to 23 inches:* indurated

**Properties and qualities**

*Slope:* 0 to 3 percent  
*Depth to restrictive feature:* 7 to 20 inches to petrocalcic  
*Drainage class:* Well drained  
*Runoff class:* Very high  
*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.06 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 15 percent  
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum:* 1.0  
*Available water supply, 0 to 60 inches:* Very low (about 2.1 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 7e  
*Hydrologic Soil Group:* D  
*Ecological site:* R070BD002NM - Shallow Sandy  
*Hydric soil rating:* No

## Custom Soil Resource Report

**Description of Bippus****Setting**

*Landform:* Flood plains, alluvial fans  
*Landform position (three-dimensional):* Talf, rise  
*Down-slope shape:* Convex, linear  
*Across-slope shape:* Linear  
*Parent material:* Mixed alluvium

**Typical profile**

*H1 - 0 to 37 inches:* silty clay loam  
*H2 - 37 to 60 inches:* clay loam

**Properties and qualities**

*Slope:* 0 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Runoff class:* Very low  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high  
(0.60 to 2.00 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* Occasional  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 40 percent  
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum:* 1.0  
*Available water supply, 0 to 60 inches:* Moderate (about 8.7 inches)

**Interpretive groups**

*Land capability classification (irrigated):* 2e  
*Land capability classification (nonirrigated):* 3e  
*Hydrologic Soil Group:* B  
*Ecological site:* R070BC017NM - Bottomland  
*Hydric soil rating:* No

**Minor Components****Simona**

*Percent of map unit:* 8 percent  
*Ecological site:* R070BD002NM - Shallow Sandy  
*Hydric soil rating:* No

**Bippus**

*Percent of map unit:* 7 percent  
*Ecological site:* R070BC017NM - Bottomland  
*Hydric soil rating:* No

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## Custom Soil Resource Report

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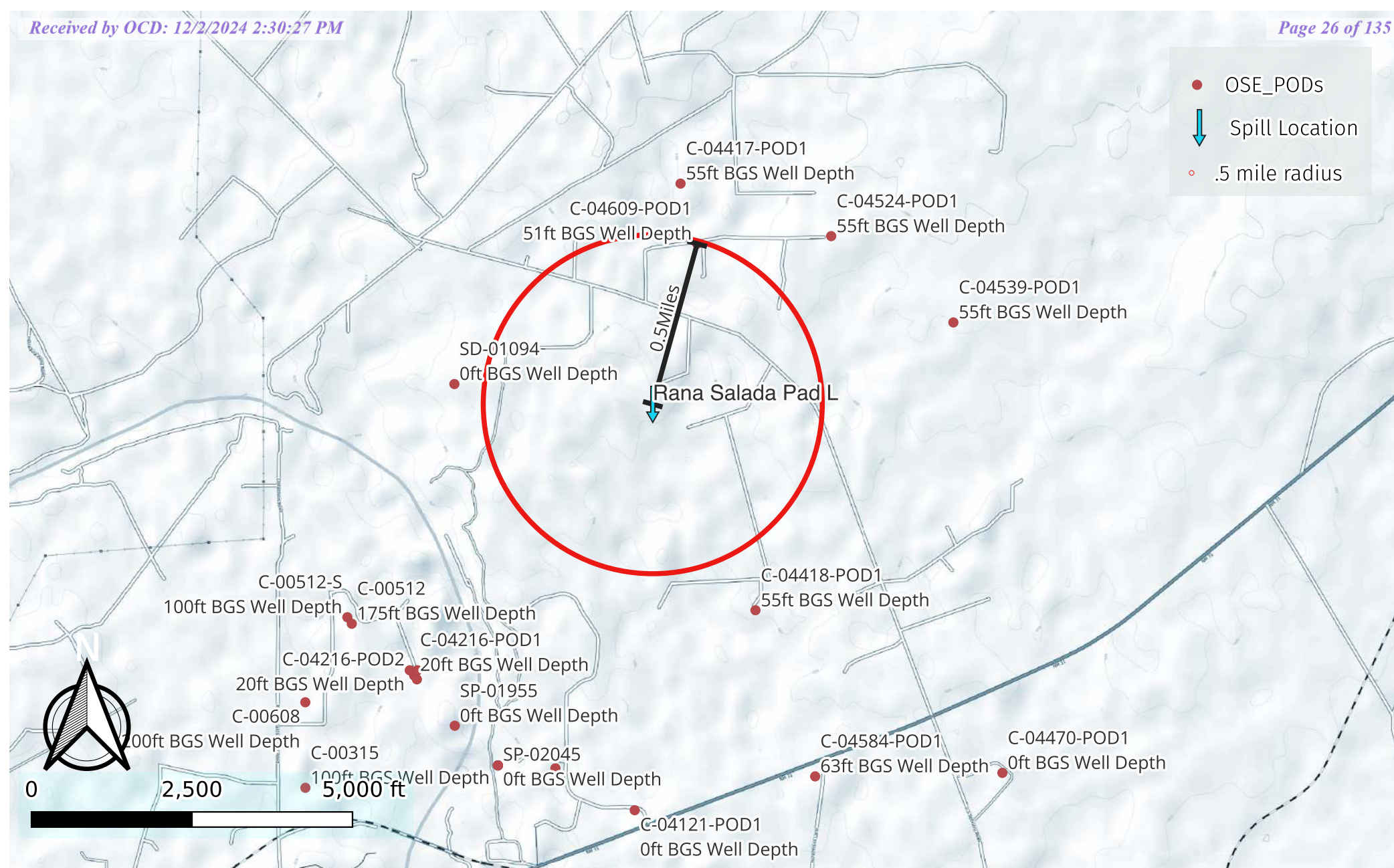
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# **Appendix B**

## **Depth to Groundwater**

### **Topographical Information**



Permian Resources -- OSE PODs  
 RANA SALADA PAD L CTB @ 0  
 NAPP2417936595  
 32.33367992,-104.04787334




Diamondback Disposal  
 Services, Inc  
 P.O. Box 2491  
 Hobbs, NM 88241  
 575-392-9996

# Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE  
quarters are smallest to largest

NAD83 UTM in meters

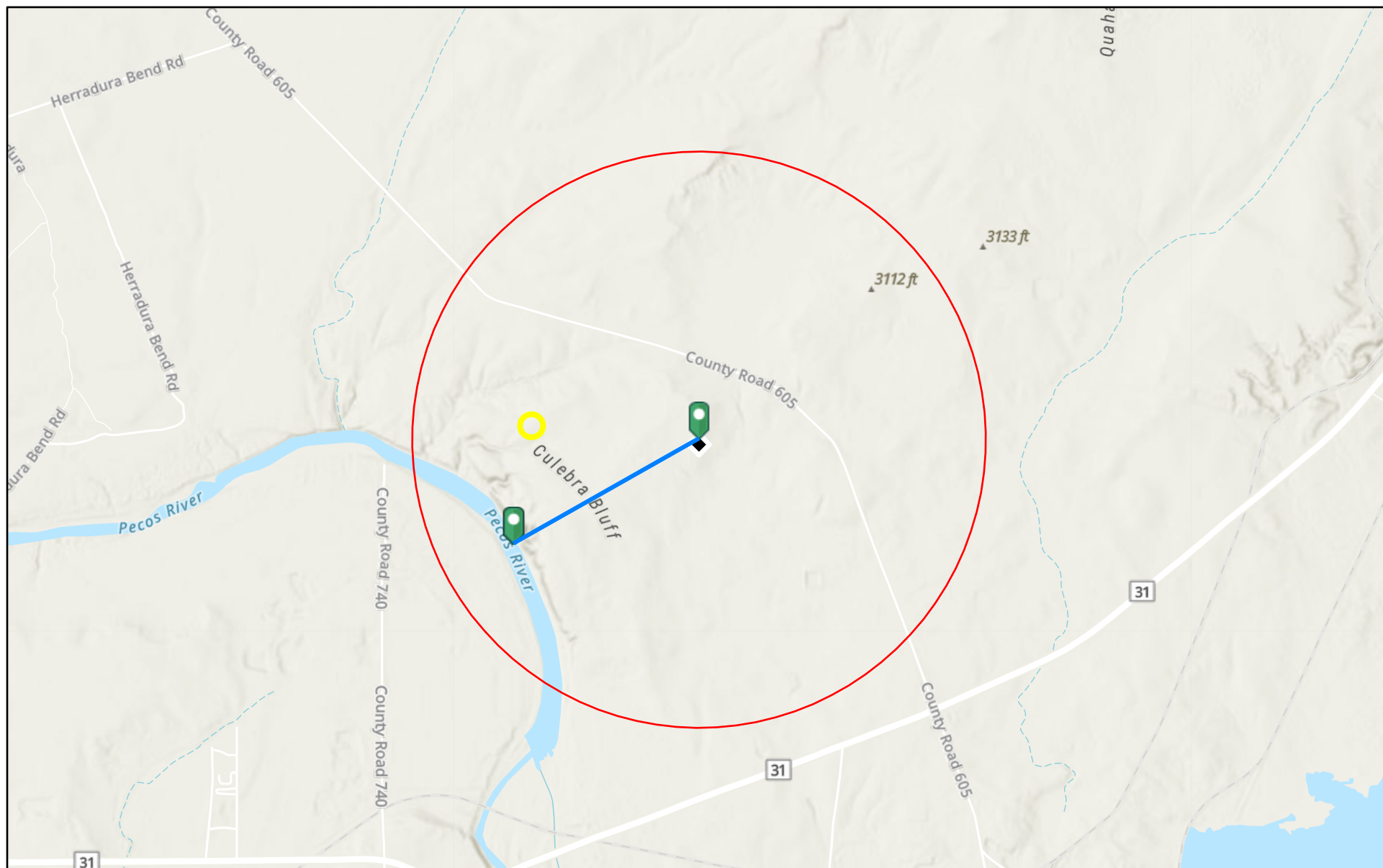
Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
NA	C 04609 POD1	NE	NW	NW	01	23S	28E	589816.4	3578589.2	

\* UTM location was derived from PLSS - see Help

Driller License:	1757	Driller Company:	ENVIROTECH DRILLING SERVICES LLC		
Driller Name:	DAVID DRAYBUCK				
Drill Start Date:	2022-04-26	Drill Finish Date:	2022-04-26	Plug Date:	2022-04-26
Log File Date:	2022-05-26	PCW Rcv Date:		Source:	
Pump Type:		Pipe Discharge Size:		Estimated Yield:	
Casing Size:		Depth Well:	51	Depth Water:	

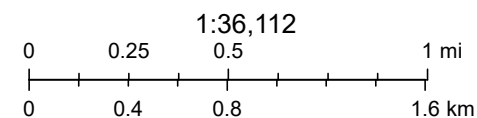
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# Rana Salada Pad L Water Proximity



10/22/2024, 10:38:58 AM

— Override 1





Esri, NASA, NGA, USGS, FEMA, Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS,

Online web user

This is an unofficial map from the OSE's online application.



# Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD has been replaced, O=orphaned, C=the file is closed)													
	(quarters are smallest to largest)													
	(NAD83 UTM in meters)													
	(In feet)													
POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Dept
<a href="#">C 04609 POD1</a>		CUB	ED	NE	NW	NW	01	23S	28E	589816.4	3578589.2		797	51
<a href="#">C 04417 POD1</a>		CUB	ED	SE	SW	SW	36	22S	28E	589735.5	3578874.3		1064	55
<a href="#">C 04418 POD1</a>		CUB	ED	SE	NE	NW	12	23S	28E	590103.6	3576851.2		1076	55
<a href="#">C 04524 POD1</a>		CUB	ED	NW	NW	NE	01	23S	28E	590451.9	3578629.4		1160	55
<a href="#">C 04539 POD1</a>		CUB	ED	NE	SE	NE	01	23S	28E	591034.4	3578223.2		1467	55

Average

Minimum

Maximum

Record Count: 5

UTM Filters (in meters):

Easting: 589624.234

Northing: 3577815.461

Radius: 1609

\* UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

11/27/24 10:03 AM MST

Water Column/Average Depth to Water

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# **Appendix C**

## **Site Delineation Mapping and Summary Report**

SAMPLE ID	LAB ID NUMBER	SAMPLE DEPTH	SAMPLE DATE	BENZENE	TOLUENE (mg/kg)	ETHYL-BENZENE ( mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C10 (mg/kg)	DRO C10-C28 (mg/kg)	EXT DRO C28-C36 (mg/kg)	TOTAL TPH C6-C36 (mg/kg)	CHLORIDE	SOIL STATUS
W1	H246373-01	0-4'	10-17-24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	288	In-Situ
W2	H246373-02	0-4'	10-17-24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	352	In-Situ
W3	H246373-03	0-4'	10-17-24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	592	In-Situ
W4	H246373-04	0-2'	10-17-24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	256	In-Situ
W5	H246373-05	0-2'	10-17-24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176	In-Situ
W6	H246373-06	0-2'	10-17-24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	560	In-Situ
W7	H246373-07	0-2'	10-17-24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64	In-Situ
W8	H246373-08	0-3'	10-17-24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176	In-Situ
W9	H246373-09	0-3'	10-17-24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	368	In-Situ
W10	H246373-10	0-3'	10-17-24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	240	In-Situ
W11	H246373-11	2-3'	10-17-24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	416	In-Situ
W12	H246373-12	2'	10-17-24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	528	In-Situ
W13	H246373-13	2-4'	10-17-24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	464	In-Situ

Rana Salada Pad L  
Horizontal Summary

SAMPLE ID	LAB ID NUMBER	SAMPLE DEPTH	SAMPLE DATE	BENZENE	TOLUENE (mg/kg)	ETHYL-BENZENE ( mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C10 (mg/kg)	DRO C10-C28 (mg/kg)	EXT DRO C28-C36 (mg/kg)	TOTAL TPH C6-C36 (mg/kg)	CHLORIDE	SOIL STATUS
H1	H244979-04	Surface	8/15/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112	In-Situ
H2	H244979-05	Surface	8/15/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64	In-Situ
H3	H244979-06	Surface	8/15/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96	In-Situ
H4	H244979-07	Surface	8/15/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112	In-Situ
H5	H244979-08	Surface	8/15/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160	In-Situ

Rana Salada Pad L  
Floor Summary

SAMPLE ID	LAB ID NUMBER	SAMPLE DEPTH	SAMPLE DATE	BENZENE	TOLUENE (mg/kg)	ETHYL-BENZENE ( mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C10 (mg/kg)	DRO C10-C28 (mg/kg)	EXT DRO C28-C36 (mg/kg)	TOTAL TPH C6-C36 (mg/kg)	CHLORIDE	SOIL STATUS
B1	H246375-01	4'	10/17/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160	In-Situ
B2	H246375-02	4'	10/17/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	560	In-Situ
B3	H246375-03	4'	10/17/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	528	In-Situ
B4	H246375-04	4'	10/17/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128	In-Situ
B5	H246375-05	3'	10/17/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	352	In-Situ
B6	H246375-06	2'	10/17/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	304	In-Situ
B7	H246375-07	3'	10/17/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80	In-Situ
B8	H246375-08	2'	10/17/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	240	In-Situ
B9	H246375-09	4'	10/17/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	240	In-Situ
B10	H246375-10	2'	10/17/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	208	In-Situ
B11	H246375-11	2'	10/17/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<del>752</del>	Excavated
B11	H246510-01	2'6"	10/25/24										368	In-Situ
B12	H246375-12	2'	10/17/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<del>656</del>	Excavated
B12	H246510-02	2'6"	10/25/24										400	In-Situ
B13	H246375-13	2'	10/17/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	336	In-Situ
B14	H246375-14	2'	10/17/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<del>1890</del>	Excavated
B14	H246510-03	3'	10/25/24										400	In-Situ
B15	H246375-15	3'	10/17/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400	In-Situ
B16	H246375-16	2'	10/17/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	304	In-Situ
B17	H246375-17	2'	10/17/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	224	In-Situ
B18	H246375-18	3'	10/17/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80	In-Situ
B19	H246375-19	3'	10/17/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	304	In-Situ
B20	H246375-20	3'	10/17/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	288	In-Situ
B21	H246375-21	3'	10/17/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	336	In-Situ
B22	H246375-22	3'	10/17/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176	In-Situ
B23	H246375-23	2'	10/17/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	432	In-Situ
B24	H246375-24	3'	10/17/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	528	In-Situ
B25	H246375-25	2'	10/17/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48	In-Situ
BACKFILL	H246374-01		10/17/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32	



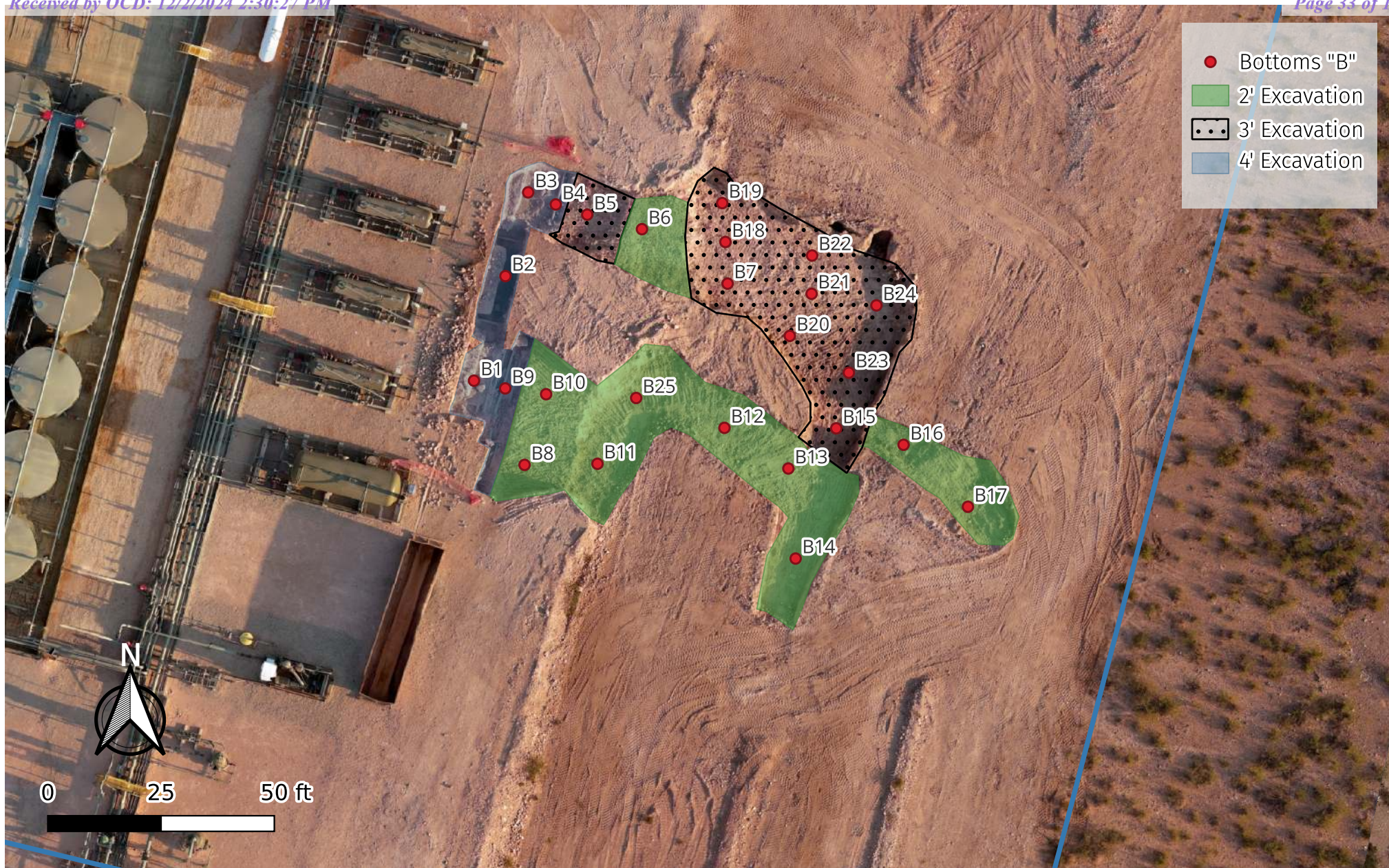


Permian Resources  
RANA SALADA PAD L CTB @ 0  
NAPP2417936595  
32.33367992,-104.04787334



Diamondback Disposal  
Services, Inc  
P.O. Box 2491  
Hobbs, NM 88241  
575-392-9996





Permian Resources  
RANA SALADA PAD L CTB @ 0  
NAPP2417936595  
32.33367992,-104.04787334



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## **Appendix D Site Photography And Field Notes**

RANA SALADA PAD L CTB @ 0  
Final Excavation

<u>Sample ID</u>	<u>Soil</u>	<u>Water</u>	<u>Ratio</u>	<u>AgNO3</u>	<u>Cl Result</u>	<u>MR3000</u>	<u>Depth</u>
W1	11.5	27.84	2.42	0.92	2227		0-4'
W2	12.89	28.21	2.19	0.68	1488		0-4'
W3	12.4	29.8	2.40	0.50	1201		0-4'
W4	11.92	29.6	2.48	0.26	645		0-2'
W5	12.36	27.66	2.24	0.72	1611		0-2'
W6	11	28.72	2.61	0.10	261		0-2'
W7	12.47	31.46	2.52	0.90	2270		0-2'
W8	12.2	27.26	2.23	1.15	2569		0-3
W9	12.25	29.66	2.42	0.15	363		0-3
W10	12.91	28.92	2.24	0.10	224		0-3
W1	12.36	28.2	2.28	0.10	228		0-4'
W2	11.48	28.83	2.51	0.12	301		0-4'
W3	12.35	29.2	2.36	0.15	355		0-4'
W4	11.96	27.88	2.33	0.06	140		0-2'
W5	11.82	27.88	2.36	0.02	47		0-2'
W7	12.77	26.61	2.08	0.04	83		0-3
W8	12.81	27.77	2.17	0.20	433		0-2'
W11	12.75	30.13	2.36	0.15	354		2-3'
W12	12.54	28.3	2.26	0.13	293		2'
W13	12.44	31.3	2.52	0.10	252		2-3'
<u>Sample ID</u>	<u>Soil</u>	<u>Water</u>	<u>Ratio</u>	<u>AgNO3</u>	<u>Cl Result</u>	<u>MR3000</u>	<u>Depth</u>
B1	12.22	28.86	2.36	0.20	472		4'
B2	12.65	29.82	2.36	0.06	141		4'
B3	12.48	27.88	2.23	0.15	335		4'
B4	12.62	29.1	2.31	0.08	184		4'
B5	12.05	27.81	2.31	0.75	1730		2'
B6	12.18	29.21	2.40	1.10	2637		2'
B7	12.41	29.72	2.39	1.35	3232		2'
B8	12.61	27.88	2.21	0.10	221		2'
B9	12.16	29.1	2.39	0.15	359		4'
B10	12.48	27.75	2.22	0.12	267		2'
B11	12.62	28.39	2.25	0.18	405		2'
B12	12.39	28.85	2.33	0.18	419		2'
B13	11.55	29	2.51	0.15	377		2'
B14	12	30.63	2.55	0.42	1072		2'
B15	12.59	28.2	2.24	0.45	1008		2'
B16	12.57	28.83	2.29	0.10	229		2'
B17	12.6	29.2	2.32	0.06	139		2'
B18	12.36	27.39	2.22	1.30	2880		2'
B19	11.48	28.52	2.48	0.10	248		2'
B20	12.35	28.63	2.32	0.75	1738		2'
B21	12.51	26.29	2.10	0.68	1429		2'
B5	12.41	27.51	2.22	0.15	332		3'
B6	12.57	27.44	2.18	0.10	218		2'
B7	12.47	28.67	2.30	0.04	92		3'
B15	12.29	27.47	2.24	0.20	447		3'
B18	12.43	28.49	2.29	0.15	344		3'
B19	11.52	27.47	2.38	0.10	238		3'
B20	12.43	26.44	2.13	0.10	213		3'
B21	12.76	28.05	2.20	0.13	286		3'
B22	11.5	29	2.52	0.02	50		3'
B23	12.31	26.79	2.18	0.18	392		3'



B24	12.26	27.17	2.22	0.16	354		3'
<b><u>Sample ID</u></b>	<b><u>Soil</u></b>	<b><u>Water</u></b>	<b><u>Ratio</u></b>	<b><u>AgNO3</u></b>	<b><u>Cl Result</u></b>	<b><u>MR3000</u></b>	<b><u>Depth</u></b>
H1	11.3	31.75	2.81	0.36	1011		Surface
H2	10.41	30.74	2.95	0.01	30		Surface
H3	11.13	32.12	2.89	0.02	58		Surface
H4	10.86	32.75	3.02	0.02	60		Surface
H5	11.37	31.83	2.80	0.02	56		Surface
H1	11.55	31.59	2.74	0.40	1094		Surface
H1	11.79	31.54	2.68	0.26	695		Surface
H1	10.37	31.32	3.02	0.10	302		Surface

# **Appendix E**

## **Communications**



# FW: -EXTERNAL- The Oil Conservation Division (OCD) has accepted the application, Application ID: 395274

**From:** Matthew Taylor <Matthew.Taylor@permianres.com>

**To:** Jasono@diamondbacknm.com <jasono@diamondbacknm.com>

**Date:** Wed, 23 Oct 2024 20:33:08 +0000 (10/23/2024 02:33:08 PM)

---

**From:** OCDOnline@state.nm.us <OCDOnline@state.nm.us>

**Sent:** Wednesday, October 23, 2024 2:32 PM

**To:** Matthew Taylor <Matthew.Taylor@permianres.com>

**Subject:** -EXTERNAL- The Oil Conservation Division (OCD) has accepted the application, Application ID: 395274

**WARNING:** The sender of this email could not be validated and may not match the person in the "From" field.

To whom it may concern (c/o Matthew Taylor for Permian Resources Operating, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2417936595.

The sampling event is expected to take place:

**When:** 10/25/2024 @ 08:00

**Where:** L-01-23S-28E 0 FNL 0 FEL (32.333664,-104.047817)

**Additional Information:** Jason Owsley  
575.602.5998

**Additional Instructions:** 32.333978, -104.047825

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

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

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

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

**CAUTION:** This email originated from outside of the organization. If it appears to be internal, check directly with assumed source

# FW: -EXTERNAL- The Oil Conservation Division (OCD) has accepted the application, Application ID: 392533

**From:** Matthew Taylor <Matthew.Taylor@permianres.com>

**To:** Jasono@diamondbacknm.com <jasono@diamondbacknm.com>

**Date:** Tue, 15 Oct 2024 15:30:41 +0000 (10/15/2024 09:30:41 AM)

---

**From:** OCDOnline@state.nm.us <OCDOnline@state.nm.us>

**Sent:** Monday, October 14, 2024 3:01 PM

**To:** Matthew Taylor <Matthew.Taylor@permianres.com>

**Subject:** -EXTERNAL- The Oil Conservation Division (OCD) has accepted the application, Application ID: 392533

**WARNING:** The sender of this email could not be validated and may not match the person in the "From" field.

To whom it may concern (c/o Matthew Taylor for Permian Resources Operating, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2417936595.

The sampling event is expected to take place:

**When:** 10/17/2024 @ 08:00

**Where:** L-01-23S-28E 0 FNL 0 FEL (32.333664,-104.047817)

**Additional Information:** Jason Owsley  
575.602.5998

**Additional Instructions:** 32.333978,-104.047825

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

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

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

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

**CAUTION:** This email originated from outside of the organization. If it appears to be internal, check directly with assumed source

# FW: -EXTERNAL- The Oil Conservation Division (OCD) has accepted the application, Application ID: 392537

**From:** Matthew Taylor <Matthew.Taylor@permianres.com>

**To:** Jasono@diamondbacknm.com <jasono@diamondbacknm.com>

**Date:** Tue, 15 Oct 2024 15:30:45 +0000 (10/15/2024 09:30:45 AM)

---

**From:** OCDOnline@state.nm.us <OCDOnline@state.nm.us>

**Sent:** Monday, October 14, 2024 3:04 PM

**To:** Matthew Taylor <Matthew.Taylor@permianres.com>

**Subject:** -EXTERNAL- The Oil Conservation Division (OCD) has accepted the application, Application ID: 392537

**WARNING:** The sender of this email could not be validated and may not match the person in the "From" field.

To whom it may concern (c/o Matthew Taylor for Permian Resources Operating, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2417936595.

The sampling event is expected to take place:

**When:** 10/18/2024 @ 08:00

**Where:** L-01-23S-28E 0 FNL 0 FEL (32.333664,-104.047817)

**Additional Information:** Jason Owsley  
575.602.5998

**Additional Instructions:** 32.333978,-104.047825

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

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

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

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



**CAUTION:** This email originated from outside of the organization. If it appears to be internal, check directly with assumed source

# **Appendix F Lab Results Originals**



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

August 21, 2024

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: RANA SALADA PAD L

Enclosed are the results of analyses for samples received by the laboratory on 08/15/24 16:51.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.3337062-104.0478761		

**Sample ID: H 1 @ SURFACE (H244979-01)**

BTX 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	08/19/2024	ND	2.25	112	2.00	3.22	
Toluene*	<0.050	0.050	08/19/2024	ND	2.05	103	2.00	0.896	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.97	98.5	2.00	0.800	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.03	100	6.00	1.49	
Total BTX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/19/2024	ND	432	108	400	3.64	

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	08/19/2024	ND	213	106	200	1.31	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	194	97.0	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 65.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.4 % 49.1-148

Cardinal Laboratories

\*=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:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.3337062-104.0478761		

**Sample ID: H 2 @ SURFACE (H244979-02)**

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	08/19/2024	ND	2.25	112	2.00	3.22		
Toluene*	<0.050	0.050	08/19/2024	ND	2.05	103	2.00	0.896		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.97	98.5	2.00	0.800		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.03	100	6.00	1.49		
Total BTEX	<0.300	0.300	08/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/19/2024	ND	432	108	400	3.64		

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	08/19/2024	ND	213	106	200	1.31	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	194	97.0	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 59.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.5 % 49.1-148

Cardinal Laboratories

\*=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:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.3337062-104.0478761		

**Sample ID: H 3 @ SURFACE (H244979-03)**

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	08/19/2024	ND	2.25	112	2.00	3.22		
Toluene*	<0.050	0.050	08/19/2024	ND	2.05	103	2.00	0.896		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.97	98.5	2.00	0.800		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.03	100	6.00	1.49		
Total BTEx	<0.300	0.300	08/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/19/2024	ND	432	108	400	3.64		

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	08/19/2024	ND	213	106	200	1.31	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	194	97.0	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 50.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 52.5 % 49.1-148

Cardinal Laboratories

\*=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:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.3337062-104.0478761		

**Sample ID: H 4 @ SURFACE (H244979-04)**

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	08/19/2024	ND	2.25	112	2.00	3.22		
Toluene*	<0.050	0.050	08/19/2024	ND	2.05	103	2.00	0.896		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.97	98.5	2.00	0.800		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.03	100	6.00	1.49		
Total BTEX	<0.300	0.300	08/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	08/19/2024	ND	400	100	400	3.92		

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	08/19/2024	ND	213	106	200	1.31	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	194	97.0	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 64.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.1 % 49.1-148

Cardinal Laboratories

\*=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:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.3337062-104.0478761		

**Sample ID: H 5 @ SURFACE (H244979-05)**

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	08/19/2024	ND	2.25	112	2.00	3.22		
Toluene*	<0.050	0.050	08/19/2024	ND	2.05	103	2.00	0.896		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.97	98.5	2.00	0.800		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.03	100	6.00	1.49		
Total BTEX	<0.300	0.300	08/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/19/2024	ND	400	100	400	3.92		

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	08/19/2024	ND	213	106	200	1.31	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	194	97.0	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 58.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 61.7 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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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

---

Cardinal Laboratories

\*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "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

BILL TO

ANALYSIS REQUEST

Company Name: Diamond Back Disposals  
Project Manager: Justin Roberts  
Address: 2525 NW County RD  
City: Hobbs State: NM Zip: 88240  
Phone #: 575-392-4946 Fax #:   
Project #: PR5-104 Project Owner:   
Project Name: Rama Salada PADL  
Project Location: 32.3337662-104.0478761  
Sampler Name: Jeremy Marks

P.O. #:  Company:   
Attn:  Address:   
City:  State:  Zip:   
Phone #:  Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING	ANALYSIS REQUEST				
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE							
H244979	H1 @ Surface		1												
	H2 @ Surface		1												
	H3 @ Surface		1												
	H4 @ Surface		1												
	H5 @ Surface		1												

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Relinquished By:

Date: 8/5/24

Received By:

Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #:

All Results are emailed. Please provide Email address:

Relinquished By:

Date: 10/5/1

Received By:

REMARKS:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Observed Temp. °C: 41.2  
Corrected Temp. °C: 3.52

Sample Condition  
Cool Intact ☐ Yes ☐ No  
Cool Intact ☐ Yes ☐ No

CHECKED BY: AD (Initials)

Turnaround Time:   
Thermometer ID #140  
Correction Factor -0.6°C

Standard ☐ Rush ☒

Bacteria (only) Sample Condition  
Cool Intact ☐ Yes ☐ No  
Cool Intact ☐ Yes ☐ No

Observed Temp. °C:   
Corrected Temp. °C:

† Cardinal cannot accept verbatim air. Please email changes to caley.keene@cardinallabsnm





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

August 21, 2024

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: RANA SALADA PAD L

Enclosed are the results of analyses for samples received by the laboratory on 08/15/24 16:51.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.3337062-104.0478761		

**Sample ID: SP 1 @ SURFACE (H244980-01)**

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	08/19/2024	ND	2.25	112	2.00	3.22	
Toluene*	<0.050	0.050	08/19/2024	ND	2.05	103	2.00	0.896	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.97	98.5	2.00	0.800	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.03	100	6.00	1.49	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	21200	16.0	08/19/2024	ND	400	100	400	3.92	

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	08/19/2024	ND	201	100	200	0.414	
DRO >C10-C28*	10.6	10.0	08/19/2024	ND	194	96.9	200	0.726	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.2 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.3337062-104.0478761		

**Sample ID: SP 1 @ 1' (H244980-02)**

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	08/19/2024	ND	2.25	112	2.00	3.22		
Toluene*	<0.050	0.050	08/19/2024	ND	2.05	103	2.00	0.896		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.97	98.5	2.00	0.800		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.03	100	6.00	1.49		
Total BTEX	<0.300	0.300	08/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2000	16.0	08/19/2024	ND	400	100	400	3.92		

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	08/19/2024	ND	201	100	200	0.414	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	194	96.9	200	0.726	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.4 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.3337062-104.0478761		

**Sample ID: SP 1 @ 2' (H244980-03)**

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	08/19/2024	ND	2.25	112	2.00	3.22		
Toluene*	<0.050	0.050	08/19/2024	ND	2.05	103	2.00	0.896		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.97	98.5	2.00	0.800		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.03	100	6.00	1.49		
Total BTEX	<0.300	0.300	08/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	08/19/2024	ND	400	100	400	3.92		

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	08/19/2024	ND	201	100	200	0.414	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	194	96.9	200	0.726	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 75.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.3337062-104.0478761		

**Sample ID: SP 2 @ SURFACE (H244980-04)**

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	08/19/2024	ND	2.25	112	2.00	3.22		
Toluene*	<0.050	0.050	08/19/2024	ND	2.05	103	2.00	0.896		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.97	98.5	2.00	0.800		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.03	100	6.00	1.49		
Total BTEX	<0.300	0.300	08/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	17000	16.0	08/19/2024	ND	400	100	400	3.92		

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	08/19/2024	ND	201	100	200	0.414		
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	194	96.9	200	0.726		
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND						

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.3337062-104.0478761		

**Sample ID: SP 2 @ 3' (H244980-05)**

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	08/19/2024	ND	2.25	112	2.00	3.22		
Toluene*	<0.050	0.050	08/19/2024	ND	2.05	103	2.00	0.896		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.97	98.5	2.00	0.800		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.03	100	6.00	1.49		
Total BTEX	<0.300	0.300	08/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1070	16.0	08/19/2024	ND	400	100	400	3.92		

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	08/19/2024	ND	201	100	200	0.414	
DRO >C10-C28*	10.2	10.0	08/19/2024	ND	194	96.9	200	0.726	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 89.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.3337062-104.0478761		

**Sample ID: SP 2 @ 4' (H244980-06)**

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	08/19/2024	ND	2.25	112	2.00	3.22		
Toluene*	<0.050	0.050	08/19/2024	ND	2.05	103	2.00	0.896		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.97	98.5	2.00	0.800		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.03	100	6.00	1.49		
Total BTEX	<0.300	0.300	08/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	08/19/2024	ND	400	100	400	3.92		

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	08/19/2024	ND	201	100	200	0.414	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	194	96.9	200	0.726	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.0 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.3337062-104.0478761		

**Sample ID: SP 3 @ SURFACE (H244980-07)**

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	08/19/2024	ND	2.25	112	2.00	3.22		
Toluene*	<0.050	0.050	08/19/2024	ND	2.05	103	2.00	0.896		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.97	98.5	2.00	0.800		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.03	100	6.00	1.49		
Total BTEX	<0.300	0.300	08/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5680	16.0	08/19/2024	ND	400	100	400	3.92		

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	08/19/2024	ND	201	100	200	0.414	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	194	96.9	200	0.726	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.3337062-104.0478761		

**Sample ID: SP 3 @ 2' (H244980-08)**

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	08/19/2024	ND	2.25	112	2.00	3.22		
Toluene*	<0.050	0.050	08/19/2024	ND	2.05	103	2.00	0.896		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.97	98.5	2.00	0.800		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.03	100	6.00	1.49		
Total BTEx	<0.300	0.300	08/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3560	16.0	08/19/2024	ND	400	100	400	3.92		

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	08/19/2024	ND	201	100	200	0.414	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	194	96.9	200	0.726	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.7 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.3337062-104.0478761		

**Sample ID: SP 3 @ 3' (H244980-09)**

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	08/19/2024	ND	2.25	112	2.00	3.22		
Toluene*	<0.050	0.050	08/19/2024	ND	2.05	103	2.00	0.896		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.97	98.5	2.00	0.800		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.03	100	6.00	1.49		
Total BTEX	<0.300	0.300	08/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	08/19/2024	ND	400	100	400	3.92		

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	08/19/2024	ND	201	100	200	0.414	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	194	96.9	200	0.726	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 75.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.3337062-104.0478761		

**Sample ID: SP 4 @ SURFACE (H244980-10)**

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	08/19/2024	ND	2.25	112	2.00	3.22		
Toluene*	<0.050	0.050	08/19/2024	ND	2.05	103	2.00	0.896		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.97	98.5	2.00	0.800		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.03	100	6.00	1.49		
Total BTEX	<0.300	0.300	08/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12800	16.0	08/19/2024	ND	400	100	400	3.92		

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	08/19/2024	ND	201	100	200	0.414	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	194	96.9	200	0.726	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.3337062-104.0478761		

**Sample ID: SP 4 @ 2' (H244980-11)**

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	08/19/2024	ND	2.25	112	2.00	3.22		
Toluene*	<0.050	0.050	08/19/2024	ND	2.05	103	2.00	0.896		
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.97	98.5	2.00	0.800		
Total Xylenes*	<0.150	0.150	08/19/2024	ND	6.03	100	6.00	1.49		
Total BTEX	<0.300	0.300	08/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	08/19/2024	ND	400	100	400	3.92		

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	08/19/2024	ND	201	100	200	0.414	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	194	96.9	200	0.726	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 93.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.3337062-104.0478761		

**Sample ID: SP 4 @ 3' (H244980-12)**

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	08/20/2024	ND	2.07	103	2.00	0.920		
Toluene*	<0.050	0.050	08/20/2024	ND	1.99	99.4	2.00	0.869		
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	1.98	99.2	2.00	1.17		
Total Xylenes*	<0.150	0.150	08/20/2024	ND	5.90	98.3	6.00	1.15		
Total BTEX	<0.300	0.300	08/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	08/19/2024	ND	400	100	400	3.92		

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	08/19/2024	ND	201	100	200	0.414	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	194	96.9	200	0.726	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 78.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.3337062-104.0478761		

**Sample ID: SP 5 @ SURFACE (H244980-13)**

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	08/20/2024	ND	2.07	103	2.00	0.920		
Toluene*	<0.050	0.050	08/20/2024	ND	1.99	99.4	2.00	0.869		
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	1.98	99.2	2.00	1.17		
Total Xylenes*	<0.150	0.150	08/20/2024	ND	5.90	98.3	6.00	1.15		
Total BTEX	<0.300	0.300	08/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13600	16.0	08/19/2024	ND	400	100	400	3.92		

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	08/19/2024	ND	201	100	200	0.414	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	194	96.9	200	0.726	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.7 % 49.1-148

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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.3337062-104.0478761		

**Sample ID: SP 5 @ 2' (H244980-14)**

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	08/20/2024	ND	2.07	103	2.00	0.920		
Toluene*	<0.050	0.050	08/20/2024	ND	1.99	99.4	2.00	0.869		
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	1.98	99.2	2.00	1.17		
Total Xylenes*	<0.150	0.150	08/20/2024	ND	5.90	98.3	6.00	1.15		
Total BTEX	<0.300	0.300	08/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	08/19/2024	ND	400	100	400	3.92		

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	08/19/2024	ND	201	100	200	0.414	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	194	96.9	200	0.726	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.3337062-104.0478761		

**Sample ID: SP 5 @ 3' (H244980-15)**

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	08/20/2024	ND	2.07	103	2.00	0.920		
Toluene*	<0.050	0.050	08/20/2024	ND	1.99	99.4	2.00	0.869		
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	1.98	99.2	2.00	1.17		
Total Xylenes*	<0.150	0.150	08/20/2024	ND	5.90	98.3	6.00	1.15		
Total BTEX	<0.300	0.300	08/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	08/19/2024	ND	400	100	400	3.92		

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	08/19/2024	ND	201	100	200	0.414	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	194	96.9	200	0.726	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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### 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, appearing to read "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

<b>Company Name:</b> Diamond Data Disposal's		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>									
<b>Project Manager:</b> Justin Roberts		<b>P.O. #:</b>											
<b>Address:</b> 2525 NW County RD		<b>Company:</b>											
<b>City:</b> Hobbs		<b>Attn:</b>											
<b>State:</b> NM <b>Zip:</b> 88240		<b>Address:</b>											
<b>Phone #:</b> 575-392-9996 <b>Fax #:</b>		<b>City:</b>											
<b>Project #:</b> PRS-104 <b>Project Owner:</b>		<b>State:</b>											
<b>Project Name:</b> Rana Salceda PADL		<b>Zip:</b>											
<b>Project Location:</b> 32 333 7062 -104 04 78761		<b>Phone #:</b>											
<b>Sampler Name:</b> Jeremy meadows		<b>Fax #:</b>											
<b>FOR LAB USE ONLY</b>													
<b>Lab I.D.</b>		<b>Sample I.D.</b>		<b>(G)RAB OR (C)OMP.</b>		<b># CONTAINERS</b>		<b>MATRIX</b>		<b>PRESERV.</b>		<b>SAMPLING</b>	
								GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :		ACID/BASE: ICE / COOL OTHER :		DATE TIME	
H241480		SP1 @ Surface		G 1		1		X		X		6-15-24 2:00pm	
1		SP101		G 1		1		X		X		2:02pm	
2		SP2 @ Surface		G 1		1		X		X		2:04pm	
3		SP2 @ 3' Jm 8/15/24		G 1		1		X		X		2:08pm	
4		SP2 @ 4' Jm 8/15/24		G 1		1		X		X		2:10pm	
5		SP3 @ Surface		G 1		1		X		X		2:12pm	
6		SP3 @ 2'		G 1		1		X		X		2:14pm	
7		SP3 @ 3'		G 1		1		X		X		2:16pm	
8													
9													
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<b>Relinquished By:</b>		<b>Date:</b> 8/15/24		<b>Received By:</b>		<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Add'l Phone #:</b>		<b>All Results are emailed. Please provide Email address:</b>			
<b>Relinquished By:</b>		<b>Time:</b> 1:51		<b>Received By:</b>		<b>REMARKS:</b>							
<b>Delivered By:</b> (Circle One)		<b>Observed Temp. °C:</b> 4.1		<b>Sample Condition:</b> <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact		<b>CHECKED BY:</b> (Initials)		<b>Turnaround Time:</b>		<b>Standard</b> <input type="checkbox"/> <b>Rush</b> <input type="checkbox"/>			
<b>Sampler - UPS - Bus - Other:</b>		<b>Corrected Temp. °C:</b> 3.5		<input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Thermometer ID #140</b>		<b>Bacteria (only) Sample Condition:</b> <input type="checkbox"/> Cool <input type="checkbox"/> Intact		<b>Observed Temp. °C:</b>			
								<input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Corrected Temp. °C:</b>			

Cardinal cannot accept verbal changes. Please email [jv.keene@cardinallabsnm.com](mailto:jv.keene@cardinallabsnm.com)





CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <b>Demond Boac Disposal</b>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>									
Project Manager: <b>Justin Roberts</b>		P.O. #:											
Address: <b>2525 NW County RD</b>		Company:											
City: <b>Hobbs</b>		Attn:											
State: <b>NM</b> Zip: <b>88240</b>		Address:											
Phone #: <b>575-392-9996</b> Fax #:		City:											
Project #: <b>PR5-104</b> Project Owner:		State:											
Project Name: <b>Ram Salceda ROL</b>		Zip:											
Project Location: <b>30.333 7062 - 104.0478 761</b>		Phone #:											
Sampler Name: <b>Jeremy Morales</b>		Fax #:											
FOR LAB USE ONLY													
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV		SAMPLING	
								GROUNDWATER					
								WASTEWATER					
								SOIL					
								OIL					
								SLUDGE					
								OTHER :					
								ACID/BASE:					
								ICE / COOL					
								OTHER :					
								DATE					
								TIME					
1124080		SP4 @ Surface		G 1		1		8-15-24		2:18 PM		CL	
11		SP4 @ 2		G 1		1				2:20 PM		+ EXT	
12		SP4 @ 3		G 1		1				2:22 PM		+ TPH	
13		SP5 @ Surface		G 1		1				2:24 PM		+ BTEX	
14		SP5 @ 2		G 1		1				2:26 PM			
15		SP5 @ 3		G 1		1				2:28 PM			
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Relinquished By:		Date: <b>8/15/24</b>		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:		All Results are emailed. Please provide Email address:			
Relinquished By: <b>Justin Roberts</b>		Time: <b>10:51</b>		Received By: <b>ADP</b>		REMARKS:							
Date:		Time:		Date:		Time:							
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY: (Initials)		Turnaround Time: <b>Standard</b> <input type="checkbox"/> <b>Rush</b> <input type="checkbox"/>					
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool <input type="checkbox"/> Intact <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>		Thermometer ID #140 <input type="checkbox"/> Bacteria (only) Sample Condition					
FORM 000-R-3-00000124		35		Cool <input type="checkbox"/> Intact <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>		Corrected Temp. °C					



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

October 23, 2024

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: RANA SALADA PAD L

Enclosed are the results of analyses for samples received by the laboratory on 10/17/24 15:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	10/17/2024	Sampling Date:	10/17/2024
Reported:	10/23/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.33367992-104.04787334		

**Sample ID: W 1 @ 0-4' (H246373-01)**

BTX 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	10/19/2024	ND	1.60	80.0	2.00	21.8		
Toluene*	<0.050	0.050	10/19/2024	ND	1.69	84.7	2.00	19.4		
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	1.78	88.8	2.00	16.4		
Total Xylenes*	<0.150	0.150	10/19/2024	ND	5.33	88.8	6.00	15.9		
Total BTX	<0.300	0.300	10/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	10/21/2024	ND	416	104	400	0.00		

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	10/18/2024	ND	215	108	200	3.81	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	204	102	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 71.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.4 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	10/17/2024	Sampling Date:	10/17/2024
Reported:	10/23/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.33367992-104.04787334		

**Sample ID: W 2 @ 0-4' (H246373-02)**

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	10/19/2024	ND	1.60	80.0	2.00	21.8	
Toluene*	<0.050	0.050	10/19/2024	ND	1.69	84.7	2.00	19.4	
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	1.78	88.8	2.00	16.4	
Total Xylenes*	<0.150	0.150	10/19/2024	ND	5.33	88.8	6.00	15.9	
Total BTEX	<0.300	0.300	10/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	10/21/2024	ND	416	104	400	0.00		

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	10/19/2024	ND	215	108	200	3.81	
DRO >C10-C28*	<10.0	10.0	10/19/2024	ND	204	102	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	10/19/2024	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.5 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	10/17/2024	Sampling Date:	10/17/2024
Reported:	10/23/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.33367992-104.04787334		

**Sample ID: W 3 @ 0-4' (H246373-03)**

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	10/19/2024	ND	1.60	80.0	2.00	21.8	
Toluene*	<0.050	0.050	10/19/2024	ND	1.69	84.7	2.00	19.4	
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	1.78	88.8	2.00	16.4	
Total Xylenes*	<0.150	0.150	10/19/2024	ND	5.33	88.8	6.00	15.9	
Total BTEX	<0.300	0.300	10/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	10/21/2024	ND	416	104	400	0.00	

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	10/19/2024	ND	215	108	200	3.81	
DRO >C10-C28*	<10.0	10.0	10/19/2024	ND	204	102	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	10/19/2024	ND					

Surrogate: 1-Chlorooctane 95.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	10/17/2024	Sampling Date:	10/17/2024
Reported:	10/23/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.33367992-104.04787334		

**Sample ID: W 4 @ 0-2' (H246373-04)**

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	10/19/2024	ND	1.60	80.0	2.00	21.8	
Toluene*	<0.050	0.050	10/19/2024	ND	1.69	84.7	2.00	19.4	
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	1.78	88.8	2.00	16.4	
Total Xylenes*	<0.150	0.150	10/19/2024	ND	5.33	88.8	6.00	15.9	
Total BTEX	<0.300	0.300	10/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/21/2024	ND	416	104	400	0.00	

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	10/19/2024	ND	215	108	200	3.81	
DRO >C10-C28*	<10.0	10.0	10/19/2024	ND	204	102	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	10/19/2024	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	10/17/2024	Sampling Date:	10/17/2024
Reported:	10/23/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.33367992-104.04787334		

**Sample ID: W 5 @ 0-2' (H246373-05)**

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	10/19/2024	ND	1.60	80.0	2.00	21.8	
Toluene*	<0.050	0.050	10/19/2024	ND	1.69	84.7	2.00	19.4	
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	1.78	88.8	2.00	16.4	
Total Xylenes*	<0.150	0.150	10/19/2024	ND	5.33	88.8	6.00	15.9	
Total BTEX	<0.300	0.300	10/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/21/2024	ND	416	104	400	0.00	

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	10/18/2024	ND	203	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	205	102	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 73.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.5 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	10/17/2024	Sampling Date:	10/17/2024
Reported:	10/23/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.33367992-104.04787334		

**Sample ID: W 6 @ 0-2' (H246373-06)**

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	10/19/2024	ND	1.60	80.0	2.00	21.8		
Toluene*	<0.050	0.050	10/19/2024	ND	1.69	84.7	2.00	19.4		
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	1.78	88.8	2.00	16.4		
Total Xylenes*	<0.150	0.150	10/19/2024	ND	5.33	88.8	6.00	15.9		
Total BTEX	<0.300	0.300	10/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	10/21/2024	ND	416	104	400	0.00		

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	10/18/2024	ND	203	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	205	102	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.3 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	10/17/2024	Sampling Date:	10/17/2024
Reported:	10/23/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.33367992-104.04787334		

**Sample ID: W 7 @ 0-2' (H246373-07)**

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	10/19/2024	ND	1.60	80.0	2.00	21.8		
Toluene*	<0.050	0.050	10/19/2024	ND	1.69	84.7	2.00	19.4		
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	1.78	88.8	2.00	16.4		
Total Xylenes*	<0.150	0.150	10/19/2024	ND	5.33	88.8	6.00	15.9		
Total BTEX	<0.300	0.300	10/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/21/2024	ND	416	104	400	0.00		

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	10/18/2024	ND	203	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	205	102	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
JUSTIN ROBERTS  
P. O. BOX 2491  
HOBBS NM, 88241  
Fax To: (575) 392-9376

Received:	10/17/2024	Sampling Date:	10/17/2024
Reported:	10/23/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.33367992-104.04787334		

**Sample ID: W 8 @ 0-3' (H246373-08)**

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	10/19/2024	ND	1.60	80.0	2.00	21.8	
Toluene*	<0.050	0.050	10/19/2024	ND	1.69	84.7	2.00	19.4	
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	1.78	88.8	2.00	16.4	
Total Xylenes*	<0.150	0.150	10/19/2024	ND	5.33	88.8	6.00	15.9	
Total BTEX	<0.300	0.300	10/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	10/21/2024	ND	416	104	400	0.00		

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	10/18/2024	ND	203	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	205	102	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 95.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	10/17/2024	Sampling Date:	10/17/2024
Reported:	10/23/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.33367992-104.04787334		

**Sample ID: W 9 @ 0-3' (H246373-09)**

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	10/19/2024	ND	1.60	80.0	2.00	21.8		
Toluene*	<0.050	0.050	10/19/2024	ND	1.69	84.7	2.00	19.4		
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	1.78	88.8	2.00	16.4		
Total Xylenes*	<0.150	0.150	10/19/2024	ND	5.33	88.8	6.00	15.9		
Total BTEX	<0.300	0.300	10/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	10/21/2024	ND	416	104	400	0.00		

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	10/18/2024	ND	203	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	205	102	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.2 % 49.1-148

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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	10/17/2024	Sampling Date:	10/17/2024
Reported:	10/23/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.33367992-104.04787334		

**Sample ID: W 10 @ 0-3' (H246373-10)**

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	10/19/2024	ND	1.60	80.0	2.00	21.8		
Toluene*	<0.050	0.050	10/19/2024	ND	1.69	84.7	2.00	19.4		
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	1.78	88.8	2.00	16.4		
Total Xylenes*	<0.150	0.150	10/19/2024	ND	5.33	88.8	6.00	15.9		
Total BTEX	<0.300	0.300	10/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	10/21/2024	ND	416	104	400	0.00		

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	10/18/2024	ND	203	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	205	102	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	10/17/2024	Sampling Date:	10/17/2024
Reported:	10/23/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.33367992-104.04787334		

**Sample ID: W 11 @ 2-3' (H246373-11)**

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	10/19/2024	ND	1.60	80.0	2.00	21.8		
Toluene*	<0.050	0.050	10/19/2024	ND	1.69	84.7	2.00	19.4		
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	1.78	88.8	2.00	16.4		
Total Xylenes*	<0.150	0.150	10/19/2024	ND	5.33	88.8	6.00	15.9		
Total BTEX	<0.300	0.300	10/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	10/21/2024	ND	416	104	400	0.00		

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	10/18/2024	ND	203	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	205	102	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.8 % 49.1-148

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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	10/17/2024	Sampling Date:	10/17/2024
Reported:	10/23/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.33367992-104.04787334		

**Sample ID: W 12 @ 2' (H246373-12)**

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	10/19/2024	ND	1.60	80.0	2.00	21.8		
Toluene*	<0.050	0.050	10/19/2024	ND	1.69	84.7	2.00	19.4		
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	1.78	88.8	2.00	16.4		
Total Xylenes*	<0.150	0.150	10/19/2024	ND	5.33	88.8	6.00	15.9		
Total BTEX	<0.300	0.300	10/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	10/21/2024	ND	416	104	400	0.00		

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	10/18/2024	ND	203	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	205	102	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.3 % 49.1-148

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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	10/17/2024	Sampling Date:	10/17/2024
Reported:	10/23/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.33367992-104.04787334		

**Sample ID: W 13 @ 2-4' (H246373-13)**

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	10/19/2024	ND	1.60	80.0	2.00	21.8		
Toluene*	<0.050	0.050	10/19/2024	ND	1.69	84.7	2.00	19.4		
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	1.78	88.8	2.00	16.4		
Total Xylenes*	<0.150	0.150	10/19/2024	ND	5.33	88.8	6.00	15.9		
Total BTEX	<0.300	0.300	10/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	10/21/2024	ND	416	104	400	0.00		

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	10/18/2024	ND	203	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	205	102	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 49.1-148

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### Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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A handwritten signature in black ink, appearing to read "C. D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager

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

[illegible]



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(575) 393-2326 FAX (575) 393-2476

[illegible]





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

October 23, 2024

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: RANA SALADA PAD L

Enclosed are the results of analyses for samples received by the laboratory on 10/17/24 15:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	10/17/2024	Sampling Date:	10/17/2024
Reported:	10/23/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN 32.33367992-104.04787334		

**Sample ID: BACKFILL (H246374-01)**

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	10/19/2024	ND	2.25	113	2.00	8.75		
Toluene*	<0.050	0.050	10/19/2024	ND	2.38	119	2.00	7.72		
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	2.41	121	2.00	7.25		
Total Xylenes*	<0.150	0.150	10/19/2024	ND	7.25	121	6.00	7.49		
Total BTEx	<0.300	0.300	10/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/21/2024	ND	416	104	400	0.00		

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	10/18/2024	ND	203	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	205	102	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



---

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---

### 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, appearing to read "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

Company Name: DiamondBack Disposals

BILL TO

ANALYSIS REQUEST

Project Manager: Justin Roberts

P.O. #:  
Company: Permian Resources

Address: 2525 NW County RD

Attn: Montgomery Floyd

City: Hobbs State: NM ZIP: 88240

Address:

Phone #: (575)-392-9996

City:

Project #:

State:

Project Name: Rana Salada Pad L

Zip:

Project Location: 32.33367992,-104.04787334

Phone #:

Sample Name: Jason Owsley

Fax #:

FOR LAB USE ONLY  
Lab I.D.

Sample I.D.

H240374

Backfill

(G)RAB OR (C)OMP.  
# CONTAINERS  
GROUNDWATER  
WASTEWATER  
SOIL  
OIL  
SLUDGE  
OTHER :  
ACID/BASE:  
ICE / COOL  
OTHER :

DATE

TIME

CL

EXT

TPH

BTEX

P

I

L

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N

O

R

M

RELEASE NOTE: Liability and damages. Cardinal's liability and client's exclusions remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Date: 10-17-24

Time: 1550

Received By:

Signature

Verbal Result: ☐ Yes ☐ No

Add'l Phone #:

Relinquished By:

Date:

Time:

Received By:

Signature

REMARKS:

Remarks

Delivered By: (Circle One)

Observed Temp. °C

Corrected Temp. °C

Sample Condition

Cool Intact

Turnaround Time:

Standard

Bacteria (only) Sample Condition

Observed Temp. °C

Thermometer ID #140

Correction Factor

Corrected Temp. °C

Yes ☐ No ☐

Yes ☐ No ☐

Sampler - UPS - Bus - Other:

Observed Temp. °C

Corrected Temp. °C

Sample Condition

Cool Intact

Turnaround Time:

Standard

Bacteria (only) Sample Condition

Observed Temp. °C

Thermometer ID #140

Correction Factor

Corrected Temp. °C

Yes ☐ No ☐

Yes ☐ No ☐

FORM-006 R 3.2 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to cefey.keene@cardinallabsnm.com



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

October 23, 2024

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: RANA SALADA PAD L

Enclosed are the results of analyses for samples received by the laboratory on 10/17/24 15:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	10/17/2024	Sampling Date:	10/17/2024
Reported:	10/23/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN 32.33367992-104.04787334		

**Sample ID: B1 @ 4' (H246375-01)**

BTX 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	10/19/2024	ND	2.25	113	2.00	8.75	
Toluene*	<0.050	0.050	10/19/2024	ND	2.38	119	2.00	7.72	
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	2.41	121	2.00	7.25	
Total Xylenes*	<0.150	0.150	10/19/2024	ND	7.25	121	6.00	7.49	
Total BTX	<0.300	0.300	10/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	10/21/2024	ND	416	104	400	0.00		

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	10/18/2024	ND	203	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	205	102	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 64.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 61.4 % 49.1-148

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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:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received: 10/17/2024  
 Reported: 10/23/2024  
 Project Name: RANA SALADA PAD L  
 Project Number: PRS - 104  
 Project Location: PERMIAN 32.33367992-104.04787334

Sampling Date: 10/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: B2 @ 4' (H246375-02)**

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	10/19/2024	ND	2.25	113	2.00	8.75		
Toluene*	<0.050	0.050	10/19/2024	ND	2.38	119	2.00	7.72		
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	2.41	121	2.00	7.25		
Total Xylenes*	<0.150	0.150	10/19/2024	ND	7.25	121	6.00	7.49		
Total BTEx	<0.300	0.300	10/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	10/21/2024	ND	416	104	400	0.00		

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	10/18/2024	ND	203	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	205	102	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 80.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.0 % 49.1-148

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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:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received: 10/17/2024  
 Reported: 10/23/2024  
 Project Name: RANA SALADA PAD L  
 Project Number: PRS - 104  
 Project Location: PERMIAN 32.33367992-104.04787334

Sampling Date: 10/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: B3 @ 4' (H246375-03)**

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	10/19/2024	ND	2.25	113	2.00	8.75		
Toluene*	<0.050	0.050	10/19/2024	ND	2.38	119	2.00	7.72		
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	2.41	121	2.00	7.25		
Total Xylenes*	<0.150	0.150	10/19/2024	ND	7.25	121	6.00	7.49		
Total BTEX	<0.300	0.300	10/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	10/21/2024	ND	416	104	400	0.00		

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	10/18/2024	ND	203	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	205	102	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.4 % 49.1-148

Cardinal Laboratories

\*=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:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received: 10/17/2024  
 Reported: 10/23/2024  
 Project Name: RANA SALADA PAD L  
 Project Number: PRS - 104  
 Project Location: PERMIAN 32.33367992-104.04787334

Sampling Date: 10/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: B4 @ 4' (H246375-04)**

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	10/19/2024	ND	2.25	113	2.00	8.75		
Toluene*	<0.050	0.050	10/19/2024	ND	2.38	119	2.00	7.72		
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	2.41	121	2.00	7.25		
Total Xylenes*	<0.150	0.150	10/19/2024	ND	7.25	121	6.00	7.49		
Total BTEx	<0.300	0.300	10/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/21/2024	ND	416	104	400	0.00		

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	10/18/2024	ND	203	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	205	102	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.2 % 49.1-148

Cardinal Laboratories

\*=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:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received: 10/17/2024  
 Reported: 10/23/2024  
 Project Name: RANA SALADA PAD L  
 Project Number: PRS - 104  
 Project Location: PERMIAN 32.33367992-104.04787334

Sampling Date: 10/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: B5 @ 3' (H246375-05)**

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	10/19/2024	ND	2.25	113	2.00	8.75		
Toluene*	<0.050	0.050	10/19/2024	ND	2.38	119	2.00	7.72		
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	2.41	121	2.00	7.25		
Total Xylenes*	<0.150	0.150	10/19/2024	ND	7.25	121	6.00	7.49		
Total BTEx	<0.300	0.300	10/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	10/21/2024	ND	432	108	400	7.69		

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	10/18/2024	ND	203	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	205	102	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.4 % 49.1-148

Cardinal Laboratories

\*=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:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	10/17/2024	Sampling Date:	10/17/2024
Reported:	10/23/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN 32.33367992-104.04787334		

**Sample ID: B6 @ 2' (H246375-06)**

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	10/19/2024	ND	2.25	113	2.00	8.75		
Toluene*	<0.050	0.050	10/19/2024	ND	2.38	119	2.00	7.72		
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	2.41	121	2.00	7.25		
Total Xylenes*	<0.150	0.150	10/19/2024	ND	7.25	121	6.00	7.49		
Total BTEX	<0.300	0.300	10/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	10/21/2024	ND	432	108	400	7.69		

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	10/18/2024	ND	203	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	205	102	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received: 10/17/2024  
 Reported: 10/23/2024  
 Project Name: RANA SALADA PAD L  
 Project Number: PRS - 104  
 Project Location: PERMIAN 32.33367992-104.04787334

Sampling Date: 10/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: B7 @ 3' (H246375-07)**

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	10/19/2024	ND	2.25	113	2.00	8.75		
Toluene*	<0.050	0.050	10/19/2024	ND	2.38	119	2.00	7.72		
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	2.41	121	2.00	7.25		
Total Xylenes*	<0.150	0.150	10/19/2024	ND	7.25	121	6.00	7.49		
Total BTEX	<0.300	0.300	10/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/21/2024	ND	432	108	400	7.69		

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	10/18/2024	ND	203	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	205	102	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.7 % 49.1-148

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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received: 10/17/2024  
 Reported: 10/23/2024  
 Project Name: RANA SALADA PAD L  
 Project Number: PRS - 104  
 Project Location: PERMIAN 32.33367992-104.04787334

Sampling Date: 10/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: B8 @ 2' (H246375-08)**

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	10/19/2024	ND	2.25	113	2.00	8.75		
Toluene*	<0.050	0.050	10/19/2024	ND	2.38	119	2.00	7.72		
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	2.41	121	2.00	7.25		
Total Xylenes*	<0.150	0.150	10/19/2024	ND	7.25	121	6.00	7.49		
Total BTEX	<0.300	0.300	10/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	10/21/2024	ND	432	108	400	7.69		

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	10/18/2024	ND	203	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	205	102	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.1 % 49.1-148

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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received: 10/17/2024  
 Reported: 10/23/2024  
 Project Name: RANA SALADA PAD L  
 Project Number: PRS - 104  
 Project Location: PERMIAN 32.33367992-104.04787334

Sampling Date: 10/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: B9 @ 4' (H246375-09)**

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	10/19/2024	ND	2.25	113	2.00	8.75		
Toluene*	<0.050	0.050	10/19/2024	ND	2.38	119	2.00	7.72		
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	2.41	121	2.00	7.25		
Total Xylenes*	<0.150	0.150	10/19/2024	ND	7.25	121	6.00	7.49		
Total BTEX	<0.300	0.300	10/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	10/21/2024	ND	432	108	400	7.69		

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	10/18/2024	ND	203	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	205	102	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 90.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.5 % 49.1-148

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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received: 10/17/2024  
 Reported: 10/23/2024  
 Project Name: RANA SALADA PAD L  
 Project Number: PRS - 104  
 Project Location: PERMIAN 32.33367992-104.04787334

Sampling Date: 10/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: B10 @ 2' (H246375-10)**

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	10/19/2024	ND	2.25	113	2.00	8.75		
Toluene*	<0.050	0.050	10/19/2024	ND	2.38	119	2.00	7.72		
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	2.41	121	2.00	7.25		
Total Xylenes*	<0.150	0.150	10/19/2024	ND	7.25	121	6.00	7.49		
Total BTEX	<0.300	0.300	10/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	10/21/2024	ND	432	108	400	7.69		

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	10/19/2024	ND	203	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	10/19/2024	ND	205	102	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	10/19/2024	ND					

Surrogate: 1-Chlorooctane 84.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.8 % 49.1-148

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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received: 10/17/2024  
 Reported: 10/23/2024  
 Project Name: RANA SALADA PAD L  
 Project Number: PRS - 104  
 Project Location: PERMIAN 32.33367992-104.04787334

Sampling Date: 10/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: B11 @ 2' (H246375-11)**

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	10/19/2024	ND	2.25	113	2.00	8.75		
Toluene*	<0.050	0.050	10/19/2024	ND	2.38	119	2.00	7.72		
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	2.41	121	2.00	7.25		
Total Xylenes*	<0.150	0.150	10/19/2024	ND	7.25	121	6.00	7.49		
Total BTEX	<0.300	0.300	10/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	752	16.0	10/21/2024	ND	432	108	400	7.69		

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	10/18/2024	ND	214	107	200	0.169	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	217	108	200	0.326	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	10/17/2024	Sampling Date:	10/17/2024
Reported:	10/23/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN 32.33367992-104.04787334		

**Sample ID: B12 @ 2' (H246375-12)**

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	10/19/2024	ND	2.25	113	2.00	8.75		
Toluene*	<0.050	0.050	10/19/2024	ND	2.38	119	2.00	7.72		
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	2.41	121	2.00	7.25		
Total Xylenes*	<0.150	0.150	10/19/2024	ND	7.25	121	6.00	7.49		
Total BTEX	<0.300	0.300	10/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	656	16.0	10/21/2024	ND	432	108	400	7.69		

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	10/18/2024	ND	214	107	200	0.169	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	217	108	200	0.326	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 73.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.2 % 49.1-148

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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received: 10/17/2024  
 Reported: 10/23/2024  
 Project Name: RANA SALADA PAD L  
 Project Number: PRS - 104  
 Project Location: PERMIAN 32.33367992-104.04787334

Sampling Date: 10/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: B13 @ 2' (H246375-13)**

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	10/19/2024	ND	2.25	113	2.00	8.75	
Toluene*	<0.050	0.050	10/19/2024	ND	2.38	119	2.00	7.72	
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	2.41	121	2.00	7.25	
Total Xylenes*	<0.150	0.150	10/19/2024	ND	7.25	121	6.00	7.49	
Total BTEX	<0.300	0.300	10/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	10/21/2024	ND	432	108	400	7.69		

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	10/18/2024	ND	214	107	200	0.169	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	217	108	200	0.326	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 69.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.9 % 49.1-148

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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	10/17/2024	Sampling Date:	10/17/2024
Reported:	10/23/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN 32.33367992-104.04787334		

**Sample ID: B14 @ 2' (H246375-14)**

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	10/19/2024	ND	2.25	113	2.00	8.75		
Toluene*	<0.050	0.050	10/19/2024	ND	2.38	119	2.00	7.72		
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	2.41	121	2.00	7.25		
Total Xylenes*	<0.150	0.150	10/19/2024	ND	7.25	121	6.00	7.49		
Total BTEX	<0.300	0.300	10/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1890	16.0	10/21/2024	ND	432	108	400	7.69		

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	10/18/2024	ND	214	107	200	0.169	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	217	108	200	0.326	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.2 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received: 10/17/2024  
 Reported: 10/23/2024  
 Project Name: RANA SALADA PAD L  
 Project Number: PRS - 104  
 Project Location: PERMIAN 32.33367992-104.04787334

Sampling Date: 10/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: B15 @ 3' (H246375-15)**

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	10/19/2024	ND	2.25	113	2.00	8.75		
Toluene*	<0.050	0.050	10/19/2024	ND	2.38	119	2.00	7.72		
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	2.41	121	2.00	7.25		
Total Xylenes*	<0.150	0.150	10/19/2024	ND	7.25	121	6.00	7.49		
Total BTEX	<0.300	0.300	10/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	10/21/2024	ND	432	108	400	7.69		

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	10/18/2024	ND	214	107	200	0.169	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	217	108	200	0.326	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received: 10/17/2024  
 Reported: 10/23/2024  
 Project Name: RANA SALADA PAD L  
 Project Number: PRS - 104  
 Project Location: PERMIAN 32.33367992-104.04787334

Sampling Date: 10/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: B16 @ 2' (H246375-16)**

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	10/19/2024	ND	2.25	113	2.00	8.75		
Toluene*	<0.050	0.050	10/19/2024	ND	2.38	119	2.00	7.72		
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	2.41	121	2.00	7.25		
Total Xylenes*	<0.150	0.150	10/19/2024	ND	7.25	121	6.00	7.49		
Total BTEX	<0.300	0.300	10/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	10/21/2024	ND	432	108	400	7.69		

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	10/18/2024	ND	214	107	200	0.169	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	217	108	200	0.326	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received: 10/17/2024  
 Reported: 10/23/2024  
 Project Name: RANA SALADA PAD L  
 Project Number: PRS - 104  
 Project Location: PERMIAN 32.33367992-104.04787334

Sampling Date: 10/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: B17 @ 2' (H246375-17)**

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	10/20/2024	ND	2.25	113	2.00	8.75		
Toluene*	<0.050	0.050	10/20/2024	ND	2.38	119	2.00	7.72		
Ethylbenzene*	<0.050	0.050	10/20/2024	ND	2.41	121	2.00	7.25		
Total Xylenes*	<0.150	0.150	10/20/2024	ND	7.25	121	6.00	7.49		
Total BTEX	<0.300	0.300	10/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	10/21/2024	ND	432	108	400	7.69		

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	10/18/2024	ND	214	107	200	0.169	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	217	108	200	0.326	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received: 10/17/2024  
 Reported: 10/23/2024  
 Project Name: RANA SALADA PAD L  
 Project Number: PRS - 104  
 Project Location: PERMIAN 32.33367992-104.04787334

Sampling Date: 10/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: B18 @ 3' (H246375-18)**

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	10/20/2024	ND	2.25	113	2.00	8.75	
Toluene*	<0.050	0.050	10/20/2024	ND	2.38	119	2.00	7.72	
Ethylbenzene*	<0.050	0.050	10/20/2024	ND	2.41	121	2.00	7.25	
Total Xylenes*	<0.150	0.150	10/20/2024	ND	7.25	121	6.00	7.49	
Total BTEX	<0.300	0.300	10/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/21/2024	ND	432	108	400	7.69		

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	10/18/2024	ND	214	107	200	0.169	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	217	108	200	0.326	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received: 10/17/2024  
 Reported: 10/23/2024  
 Project Name: RANA SALADA PAD L  
 Project Number: PRS - 104  
 Project Location: PERMIAN 32.33367992-104.04787334

Sampling Date: 10/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: B19 @ 3' (H246375-19)**

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	10/20/2024	ND	2.25	113	2.00	8.75	
Toluene*	<0.050	0.050	10/20/2024	ND	2.38	119	2.00	7.72	
Ethylbenzene*	<0.050	0.050	10/20/2024	ND	2.41	121	2.00	7.25	
Total Xylenes*	<0.150	0.150	10/20/2024	ND	7.25	121	6.00	7.49	
Total BTEX	<0.300	0.300	10/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	10/21/2024	ND	432	108	400	7.69		

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	10/18/2024	ND	214	107	200	0.169	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	217	108	200	0.326	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	10/17/2024	Sampling Date:	10/17/2024
Reported:	10/23/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN 32.33367992-104.04787334		

**Sample ID: B20 @ 3' (H246375-20)**

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	10/19/2024	ND	2.22	111	2.00	1.95		
Toluene*	<0.050	0.050	10/19/2024	ND	2.15	107	2.00	1.51		
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	2.16	108	2.00	0.823		
Total Xylenes*	<0.150	0.150	10/19/2024	ND	6.47	108	6.00	1.26		
Total BTEX	<0.300	0.300	10/19/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	10/21/2024	ND	432	108	400	7.69		

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	10/18/2024	ND	214	107	200	0.169	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	217	108	200	0.326	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received: 10/17/2024  
 Reported: 10/23/2024  
 Project Name: RANA SALADA PAD L  
 Project Number: PRS - 104  
 Project Location: PERMIAN 32.33367992-104.04787334

Sampling Date: 10/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: B21 @ 3' (H246375-21)**

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	10/19/2024	ND	2.22	111	2.00	1.95	
Toluene*	<0.050	0.050	10/19/2024	ND	2.15	107	2.00	1.51	
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	2.16	108	2.00	0.823	
Total Xylenes*	<0.150	0.150	10/19/2024	ND	6.47	108	6.00	1.26	
Total BTEX	<0.300	0.300	10/19/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	10/21/2024	ND	432	108	400	7.69		

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	10/18/2024	ND	214	107	200	0.169	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	217	108	200	0.326	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 49.1-148

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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	10/17/2024	Sampling Date:	10/17/2024
Reported:	10/23/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN 32.33367992-104.04787334		

**Sample ID: B22 @ 3' (H246375-22)**

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	10/19/2024	ND	2.22	111	2.00	1.95		
Toluene*	<0.050	0.050	10/19/2024	ND	2.15	107	2.00	1.51		
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	2.16	108	2.00	0.823		
Total Xylenes*	<0.150	0.150	10/19/2024	ND	6.47	108	6.00	1.26		
Total BTEX	<0.300	0.300	10/19/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	10/21/2024	ND	432	108	400	7.69		

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	10/18/2024	ND	214	107	200	0.169	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	217	108	200	0.326	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 81.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.7 % 49.1-148

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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:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received: 10/17/2024  
 Reported: 10/23/2024  
 Project Name: RANA SALADA PAD L  
 Project Number: PRS - 104  
 Project Location: PERMIAN 32.33367992-104.04787334

Sampling Date: 10/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: B23 @ 2' (H246375-23)**

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	10/19/2024	ND	2.22	111	2.00	1.95		
Toluene*	<0.050	0.050	10/19/2024	ND	2.15	107	2.00	1.51		
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	2.16	108	2.00	0.823		
Total Xylenes*	<0.150	0.150	10/19/2024	ND	6.47	108	6.00	1.26		
Total BTEx	<0.300	0.300	10/19/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	10/21/2024	ND	432	108	400	7.69		

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	10/18/2024	ND	214	107	200	0.169	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	217	108	200	0.326	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
JUSTIN ROBERTS  
P. O. BOX 2491  
HOBBS NM, 88241  
Fax To: (575) 392-9376

Received:	10/17/2024	Sampling Date:	10/17/2024
Reported:	10/23/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN 32.33367992-104.04787334		

**Sample ID: B24 @ 3' (H246375-24)**

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	10/19/2024	ND	2.22	111	2.00	1.95		
Toluene*	<0.050	0.050	10/19/2024	ND	2.15	107	2.00	1.51		
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	2.16	108	2.00	0.823		
Total Xylenes*	<0.150	0.150	10/19/2024	ND	6.47	108	6.00	1.26		
Total BTEx	<0.300	0.300	10/19/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	10/21/2024	ND	432	108	400	7.69		

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	10/19/2024	ND	214	107	200	0.169	
DRO >C10-C28*	<10.0	10.0	10/19/2024	ND	217	108	200	0.326	
EXT DRO >C28-C36	<10.0	10.0	10/19/2024	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received: 10/17/2024  
 Reported: 10/23/2024  
 Project Name: RANA SALADA PAD L  
 Project Number: PRS - 104  
 Project Location: PERMIAN 32.33367992-104.04787334

Sampling Date: 10/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: B25 @ 2' (H246375-25)**

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	10/19/2024	ND	2.22	111	2.00	1.95		
Toluene*	<0.050	0.050	10/19/2024	ND	2.15	107	2.00	1.51		
Ethylbenzene*	<0.050	0.050	10/19/2024	ND	2.16	108	2.00	0.823		
Total Xylenes*	<0.150	0.150	10/19/2024	ND	6.47	108	6.00	1.26		
Total BTEX	<0.300	0.300	10/19/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	10/21/2024	ND	416	104	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	10/19/2024	ND	214	107	200	0.169	
DRO >C10-C28*	<10.0	10.0	10/19/2024	ND	217	108	200	0.326	
EXT DRO >C28-C36	<10.0	10.0	10/19/2024	ND					

Surrogate: 1-Chlorooctane 83.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





---

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---

### 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, appearing to read "Celey D. Keene".

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Celey D. Keene, Lab Director/Quality Manager

## Page 28 of 30

*A*

ges to cell

FORM-006

Released to Imaging: 3/13/2025 4:41:15 PM



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: DiamondBack Disposals

BILL TO

ANALYSIS REQUEST

Project Manager: Justin Roberts

P.O. #: Company: Permian Resources

Address: 2525 NW County RD

Attn: Montgomery Floyd

City: Hobbs

State: NM ZIP: 88240

Phone #: (575)-392-9996

Address:

Project #: PRS-104

City:

Project Name: Rana Salada Pad L

State:

Project Location: 32.33367992,-104.04787334

Phone #:

Sample Name: Jason Owsley

Fax #:

Lab I.D.

Sample I.D.

Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					DATE	TIME	CL	EXT	TPH	BTEX	T	C	L	I	P	N	O	R	M
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE															
B11 @ 2'	C	1						10-17-24	10:00 AM	X	X	X	X									
B12 @ 2'	C	1						10-17-24	10:02 AM	X	X	X	X									
B13 @ 2'	C	1						10-17-24	10:04 AM	X	X	X	X									
B14 @ 2'	C	1						10-17-24	10:06 AM	X	X	X	X									
B15 @ 3'	C	1						10-17-24	10:08 AM	X	X	X	X									
B16 @ 2'	C	1						10-17-24	10:10 AM	X	X	X	X									
B17 @ 2'	C	1						10-17-24	10:12 AM	X	X	X	X									
B18 @ 3'	C	1						10-17-24	10:14 AM	X	X	X	X									
B19 @ 3'	C	1						10-17-24	10:16 AM	X	X	X	X									
B20 @ 3'	C	1						10-17-24	10:18 AM	X	X	X	X									

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Relinquished By:

Date: 10-17-24

Time: 1550

Received By: [Signature]

Relinquished By:

Date:

Time:

Received By:

Delivered By: (Circle One)  
Sampler - UPS - Bus - Other:

Observed Temp. °C  
Corrected Temp. °C

Sample Condition  
Cool Intact  
☐ Yes ☒ No

CHECKED BY: (Initials)

Turnaround Time: Standard ☒ Rush ☐  
Cool Intact ☐ Observed Temp. °C

Thermometer ID #140  
Correction Factor -0.4  
☐ Yes ☒ No







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

---

October 31, 2024

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: RANA SALADA PAD L

Enclosed are the results of analyses for samples received by the laboratory on 10/25/24 11:53.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

DIAMONDBACK DISPOSAL SERVICE INC.  
 JUSTIN ROBERTS  
 P. O. BOX 2491  
 HOBBS NM, 88241  
 Fax To: (575) 392-9376

Received:	10/25/2024	Sampling Date:	10/25/2024
Reported:	10/31/2024	Sampling Type:	Soil
Project Name:	RANA SALADA PAD L	Sampling Condition:	Cool & Intact
Project Number:	PRS - 104	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.33367992-104.04787334		

**Sample ID: B 11 @ 2'6" (H246510-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	10/28/2024	ND	400	100	400	7.69	

**Sample ID: B 12 @ 2'6" (H246510-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	10/28/2024	ND	400	100	400	7.69	

**Sample ID: B 14 @ 3' (H246510-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	10/28/2024	ND	400	100	400	7.69	

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Celey D. Keene, Lab Director/Quality Manager





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---

### 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, appearing to read "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

Company Name: DiamondBack Disposals

BILL TO

ANALYSIS REQUEST

Project Manager: Justin Roberts

P.O. #:

Company: Permian Resources

Address: 2525 NW County RD

Attn: Montgomery Floyd

City: Hobbs

State: NM ZIP: 88240

Address:

Phone #: (575)-392-9996

City:

Project #:

State:

Zip:

Project Name: Rana Salada Pad L

Phone #:

Project Location: 32.33367992,-104.04787334

Fax #:

Sampler Name: Jason Owsley

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H34458

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

CL

EXT

TPH

BTEX

F

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Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Verbal Result: ☐ Yes ☐ No

Add'l Phone #:

Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Verbal Result: ☐ Yes ☐ No

Add'l Phone #:

Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Verbal Result: ☐ Yes ☐ No

Add'l Phone #:

Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Verbal Result: ☐ Yes ☐ No

Add'l Phone #:

Delivered By: (Circle One)

Observed Temp. °C

Corrected Temp. °C

Sample Condition

CHECKED BY: (Initials)

Turnaround Time: Standard ☒ Backlog (only) Sample Condition

Thermometer ID #140

Correction Factor -0.6°C

Yes ☐ No ☐

Yes ☐ No ☐

Yes ☐ No ☐

Yes ☐ No ☐

Yes ☐ No ☐

Yes ☐ No ☐

Yes ☐ No ☐

Yes ☐ No ☐

Yes ☐ No ☐

Yes ☐ No ☐

Yes ☐ No ☐

Yes ☐ No ☐

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS

Action 407690

QUESTIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 407690
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2417936595
Incident Name	NAPP2417936595 RANA SALADA PAD L CTB @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2207532618] Rana Salada Pad L CTB

Location of Release Source	
Please answer all the questions in this group.	
Site Name	RANA SALADA PAD L CTB
Date Release Discovered	06/27/2024
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Normal Operations   Tank (Any)   Produced Water   Released: 25 BBL   Recovered: 10 BBL   Lost: 15 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 407690

**QUESTIONS (continued)**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 407690
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Matthew Taylor Title: Environmental Coordinator Email: matthew.taylor@permianres.com Date: 06/28/2024
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QUESTIONS, Page 3

Action 407690

**QUESTIONS (continued)**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID:
	372165
	Action Number:
	407690
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

**QUESTIONS****Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
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 ½ and 1 (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	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**Remediation Plan**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	1890
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1
GRO+DRO (EPA SW-846 Method 8015M)	1
BTEX (EPA SW-846 Method 8021B or 8260B)	0.3
Benzene (EPA SW-846 Method 8021B or 8260B)	0.1

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	09/18/2024
On what date will (or did) the final sampling or liner inspection occur	10/25/2024
On what date will (or was) the remediation complete(d)	10/25/2024
What is the estimated surface area (in square feet) that will be reclaimed	5200
What is the estimated volume (in cubic yards) that will be reclaimed	592
What is the estimated surface area (in square feet) that will be remediated	5200
What is the estimated volume (in cubic yards) that will be remediated	720

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

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

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QUESTIONS, Page 4

Action 407690

**QUESTIONS (continued)**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 407690
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
(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	LEA LAND LANDFILL [fEEM0112342028]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Matthew Taylor Title: Environmental Coordinator Email: <a href="mailto:matthew.taylor@permianres.com">matthew.taylor@permianres.com</a> Date: 12/02/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	



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QUESTIONS, Page 5  
  
Action 407690

QUESTIONS (continued)

Operator:  Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID:  372165
	Action Number:  407690
	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 407690

**QUESTIONS (continued)**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 407690
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	395274
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/25/2024
What was the (estimated) number of samples that were to be gathered	3
What was the sampling surface area in square feet	600

**Remediation Closure Request**

*Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.*

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	5200
What was the total volume (cubic yards) remediated	592
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	5200
What was the total volume (in cubic yards) reclaimed	592
Summarize any additional remediation activities not included by answers (above)	Remediation has been completed at site.

*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: Matthew Taylor Title: Environmental Coordinator Email: matthew.taylor@permianres.com Date: 12/02/2024
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QUESTIONS, Page 7  
  
Action 407690

QUESTIONS (continued)

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	Action Number:  407690
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 407690

**CONDITIONS**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 407690
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**CONDITIONS**

Created By	Condition	Condition Date
michael.buchanan	The Remediation Closure is approved.	3/13/2025
michael.buchanan	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	3/13/2025
michael.buchanan	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	3/13/2025
michael.buchanan	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	3/13/2025