Incident Numbers: nAPP2231658827 &

nAPP2511450571



Release Assessment and Reclamation Closure

Jackson Disposal Line

Section 28, Township 24 South, Range 33 East

API: 30-025-41230

County: Lea

Vertex File Number: 25A-02314

NMSLO Lease Number: LG41370001/VB174310001

Prepared for:

Jonah Energy

Prepared by:

Vertex Resource Services Inc.

Date:

July 2025

Release Assessment and Reclamation Closure
July 2025

Release Assessment and Reclamation Closure

Jackson Disposal Line

Section 21, Township 24 South, Range 33 East

API: 30-025-41230

County: Lea

Prepared for:

Jonah Energy

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Denver, Colorado 80202

New Mexico Oil Conservation Division - District 1 - Hobbs

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July 22, 2025

Date

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PROJECT MANAGER, REPORT REVIEW

July 22, 2025

Date

Release Assessment and Reclamation Closure July 2025

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1.0 Introduction

Tap Rock Resources (Tap Rock) retained Vertex Resource Services, Inc. (Vertex) to complete an inspection and Land Reclamation Plan for the Jackson Disposal Line, API 30-015-41230 (hereafter referred to as the "site")., release area for Incident ID number nAPP2231658827. The release occurred on November 11, 2022, due to a flow line leak from freezing weather, which led to the release of 32 barrels (bbl.) of produced water off pad. None of the free fluids were recovered. Remediation of the reportable release was completed by a past consultant with the Remediation Closure Report being approved by NMOCD on January 24, 2025. Please refer to that report to see details regarding the remedial activities. This site has since been transferred to Jonah Energy (Jonah). During backfill operations on April 24, 2025, an underground pipeline was accidentally struck resulting in produced water being released at the site. Jonah retained Vertex Resource Services Inc. (Vertex) to conduct a Release Assessment and Closure for this produced water release. Jonah submitted an initial C-141 Release Notification (Appendix A) to New Mexico Oil Conservation Division (NMOCD) District 1 on April 24, 2025. Incident ID number nAPP2511450571 was assigned to this incident.

This report is intended to seek remediation and reclamation closure approval of the incident nAPP2511450571 along with reclamation closure approval for incident nAPP2231658827. This report provides a description of the release assessment and remediation activities associated with the site. The information presented demonstrates that closure criteria established in Table I of 19.15.29.12 of the *New Mexico Administrative Code* (NMAC; New Mexico Oil Conservation Division, 2018) related to NMOCD has been met and all applicable regulations are being followed. This document is intended to serve as a final report to obtain approval from NMOCD for closure of this release nAPP2511450571 and nAPP2231658827, with the understanding that reclamation activities are completed as per NMAC 19.15.29.13.

2.0 Incident Description

The second release occurred on April 24, 2025, due to an accidental pipeline strike during backfill operations of the prior release. The incident was reported on April 24, 2025, and involved the release of approximately 147 (bbl.) of produced water into the pasture area that is parallel to the road. 142 bbl of free fluid was recovered during initial cleanup. Additional details relevant to the release are presented in the C-141 Report. Daily Field Report (DFRs) and site photographs are included in Appendix C.

3.0 Site Characteristics

The site is located approximately 42 miles southeast of Carlsbad, New Mexico. The legal location for the site is Section 28, Township 24 South and Range 33 East in Lea County, New Mexico. The release area is located on New Mexico state land. An aerial photograph and site schematic are presented on Figure 1.

The location is typical of oil and gas exploration and production sites in the Permian Basin and is currently used for oil and gas production and storage. The following sections specifically describe the impacted pasture parallel to the road between the well pad and the containment of the site (Figure 1).

The Geological Map of New Mexico (New Mexico Bureau of Geology and Mineral Resources, 2025) indicates the site's surface geology primarily comprises Qep — Eolian and Piedmont deposits (Holocene to middle Pleistocene), and is

Release Assessment and Reclamation Closure
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characterized as Pyote and Maljamar fine sands. Predominant soil texture on the site is Loamy Sand and is characterized as having a drainage class of well drained with a runoff class of negligible. The karst geology potential for the site is Low (United States Department of the Interior, Bureau of Land Management, 2018). The surrounding landscape is associated with Plains with elevations ranging between 3,000 and 3,900 feet. The climate is semiarid with average annual precipitation ranging between 10 and 12 inches. Using information from the United States Department of Agriculture, the dominant vegetation was determined to black grama (Bouteloua eriopoda), dropseeds (Sporobolus flexuosus, S. contractus, S. cryptandus) and bluestems (Schizachyrium scoparium and Adropogon hallii). Grasses with shrubs and half-shrubs Primarily, grasses dominate the historic plant community, but sub-shrubs, shrubs, and forbs populate the grassland (United States Department of Agriculture, Natural Resources Conservation Service, 2025). Limited to no vegetation is allowed to grow on the compacted production pad, right-of-way and access road.

4.0 Closure Criteria Determination

The nearest active well to the site is a New Mexico Office of the State Engineer (NMOSE) exploratory borehole located approximately 0.44 miles west of the site (New Mexico Office of the State Engineer, 2025). Data from 2023 shows the NMOSE borehole was recorded as a dry hole at 100 feet below ground surface (bgs). Information pertaining to the depth to ground water determination is included in Appendix B.

There is no surface water present at the site. The nearest significant watercourse, as defined in Subsection P of 19.15.17.7 NMAC, is an intermittent stream located approximately 1,667 feet east of the site (New Mexico Department of Surface Water Quality Bureau, 2025). At the site, there are no continuously flowing watercourses or significant watercourses, lakebeds, sinkholes, playa lakes or other critical water or community features as outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC.

:11 Caa	rdinates. 22.100000 102.07024	V. C247F7 27	V- 25C2041 42
	rdinates: 32.195859,-103.57034	X: 634757.27	Y: 3563041.43
te Spe	cific Conditions	Value	Unit
	Depth to Groundwater (nearest reference)	>100	feet
1	Distance between release and nearest DTGW	2,315	feet
	reference	0.44	miles
	Date of nearest DTGW reference measurement	Marc	ch 23, 2023
2	Within 300 feet of any continuously flowing	1,667	feet
	watercourse or any other significant watercourse	,	
3	Within 200 feet of any lakebed, sinkhole or playa	116,188	feet
	lake (measured from the ordinary high-water mark)	110,100	
4	Within 300 feet from an occupied residence, school,	30,683	feet
	hospital, institution or church	30,003	1000
	i) Within 500 feet of a spring or a private, domestic		
	fresh water well used by less than five households	7,094	feet
5	for domestic or stock watering purposes, or		
	ii) Within 1000 feet of any fresh water well or spring	7,094	feet
	Within incorporated municipal boundaries or		
	within a defined municipal fresh water field		
6	covered under a municipal ordinance adopted	No	feet
	pursuant to Section 3-27-3 NMSA 1978 as amended,		
	unless the municipality specifically approves		
7	Within 300 feet of a wetland	4,706	feet
	Within the area overlying a subsurface mine	No	feet
8	Distance between release and nearest registered		
	mine	9,555	feet
			Critical
			High
	Within an unstable area (Karst Map)	Low	Medium
9			Low
	Distance between release and nearest unstable		
	area	66,158	feet
	Within a 100-year Floodplain	undetermined	year
10	Distance between release and nearest FEMA Zone		,
	A (100-year Floodplain)	68,912	feet
11	Soil Type	PU - Pyote and	Maljamar fine sands
		lna	my Sand
12	Ecological Classification		BD003NM
13	Geology		d Piedmont deposits
			<50'
	NMAC 19.15.29.12 E (Table 1) Closure Criteria	>100'	51-100'
	THING ISLISIZSIZE E (TUDIC I) CIUSUIC CIITCIIA	× 100	>100'

The closure criteria determined for the site are associated with the following constituent concentration limits as presented in Table 2.

Table 2. Closure Criteria for Soils Impacted by a Release								
Minimum depth below any point within the horizontal boundary of the release to groundwater less than								
10,000 mg/l TDS	Constituent	Limit						
	Chloride	20,000 mg/kg						
	TPH (GRO+DRO+MRO)	2,500 mg/kg						
> 100 feet	GRO+DRO	1,000 mg/kg						
	BTEX	50 mg/kg						
	Benzene	10 mg/kg						

TDS - total dissolved solides

5.0 Remedial Actions Taken

Remediation efforts began on May 12, 2025 and were finalized on May 30, 2025. Vertex personnel supervised the excavation of impacted soils. Soils were removed to depths of 2.5 to 4 feet bgs. Field screening was completed on a total of 40 sample points and consisted of analysis using a Photo Ionization Detector (volatile hydrocarbons), Dexsil Petroflag using EPA SW-846 Method 9074 (extractable hydrocarbons) and silver nitrate titration (chlorides). Field screening results were used to identify areas requiring further remediation. Soils were removed to a depth of 2.5 to 4 feet bgs. Impacted soil was transported by a licensed waste hauler and disposed of at an approved waste management facility. A final DFR documenting the backfill and seeding of the excavation is presented in Appendix C.

Notification of confirmatory sampling was provided to the NMOCD before each sampling day and are located on the incident files of the release on OCD Permitting website. Five-point composite confirmatory samples were collected from the base and walls of the excavation in 200 square foot increments. A total of 40 samples were collected and used for confirmation and submitted for laboratory analysis following the NMOCD soil sampling procedures. Samples were submitted to Envirotech Laboratory under chain-of-custody protocols and analyzed for BTEX (EPA Method 8021B), total petroleum hydrocarbons (GRO, DRO, MRO – EPA Method 8015D) and total chlorides (EPA Method 300.0). Confirmatory laboratory results are presented in Table 4, and the laboratory data reports are included in Appendix D. All confirmatory samples collected and analyzed were below closure criteria for the site.

6.0 Remediation Closure Request

Vertex recommends no additional remediation action to address the impacted area at the site. Laboratory analyses of confirmation samples collected show final confirmatory values below NMOCD closure criteria for areas where depth to groundwater is greater than 100 feet bgs. There are no anticipated risks to human, ecological, or hydrological receptors at the site.

TPH - total petroleum hydrocarbons, GRO - gas range organics, DRO - diesel range organics, MRO - motor oil range organics

BTEX – benzene, toluene, ethylbenzene and xylenes

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The excavation was backfilled with non-waste-containing, uncontaminated, earthen material sourced locally and placed to meet the site's existing grade to prevent water ponding and erosion. Samples were collected from the caliche and topsoil material prior to backfill activities on May 13, 2025. Analytical data pertaining to the backfill samples is included in Table 4. The top layer of the backfill was seeded on July 21, 2025, with the New Mexico State Land Office loamy sites seed mixture. All ROE, CPP, and biological research requirements were fulfilled in accordance with the work plan approved by the SLO on April 17, 2025, for incident nAPP2231658827. Please refer to the approved Reclamation Plan for details.

Vertex requests that open incidents nAPP2511450571 and nAPP2231658827 be approved for closure as all requirements set forth in Subsection E of 19.15.29.12 NMAC have been met. Jonah and Tap Rock Resources certify that all information in this report and the appendices are correct and that they have complied with all applicable closure requirements and conditions specified in Division rules and directives to meet NMOCD requirements to obtain Remediation Closure Approval.

7.0 Land Reclamation

The land reclamation for the site (surface reclamation) is detailed below. This section outlines the principles that were used during the surface reclamation phase for the site. The DFR and site photographs obtained during reclamation procedures are included in Appendix C.

7.1 End Land Use and Capability

The land use surrounding the site is defined as natural; therefore, the end land use would be natural land. A natural area is described as: away from human habitation and activities, where the primary concern is the protection of ecological receptors. The site was reclaimed so that the capability of the land matches that of the areas immediately surrounding the site, which consists of rangeland.

7.2 Restoration of Drainage

Currently, the site consists of a mostly-level pasture area behind a tank battery. The site was contoured to match surrounding topography as near as practicable to restore natural drainage, which was generally in a west-to-east direction. Any compaction on-site was addressed by de-compaction to an approximate depth of 6 inches. All de-compaction activities were conducted post-backfill procedures and pre-seeding to maximize seed to soil contact and promote vegetation establishment.

7.3 Soil Replacement

Surface reclamation included determination of background topsoil depth as site conditions are required to meet pre-existing conditions. Reclamation of the location was completed after backfilling operations. Clean, locally sourced topsoil and caliche was imported to the site to backfill the excavation. The pasture areas were fenced with a 4-strand barbed wire fence.

7.4 Erosion Control

There are currently no erosion concerns on-site, and the use of erosion control devices at this location is not

Release Assessment and Reclamation Closure
July 2025

anticipated; however, erosion control devices will be installed at the discretion of the on-site environmental inspector.

7.5 Re-vegetation

7.5.1 Seeding

A seed mix suitable for the site and surrounding area was used and applied at appropriate rates. Seed establishment and re-vegetation will be monitored, bi-annually, to determine success. New Mexico State Land Office approved loamy seed mix consisting of Black grama -1.0 lb/acre, Blue gama -1.0 lb/acre, Sideoats grama -4.0 lb/acre, Sand dropseed -2.0 lb/acre, Alkali sacaton -1.0 lb/acre, Little bluestem -1.5 lb/acre, Firewheel -1.0 lb/acre, Fourwing saltbush -1.0 lb/acre, Common winterfat -0.5 lb/acre was obtained for the site and administered by Vertex personnel. Seeding was completed using a tractor with rotating discs and broadcasted on all areas under reclamation. Photo documentation of the excavation area after backfill and seeding is located in Appendix C.

7.6 Weed Management

The site will be monitored for vegetative growth throughout the year. Should noxious vegetation be identified onsite, a control program will be implemented and managed as required.

Weed management programs will identify weed species of concern and utilize effective control methods. These methods include but are not limited to: chemical (herbicide) control, mechanical (mowing) control or biological control as approved by governing regulatory agencies.

8.0 Monitoring Program

Bi-annual inspections will be conducted, during the growing season, to monitor site progression and assess the need for additional best management practices (BMPs). Inspections will include photographs of the site and BMPs implemented.

8.1 Final Assessment and Closure Request

During the bi-annual inspections, if site conditions are at or nearing background conditions, a final re-vegetation report will be completed. The report will provide a summary of the vegetation establishment, a summary and interpretation of monitoring data collected, interpretation of historical monitoring data, and suggested corrective actions if applicable.

Should you have any questions or concerns, please do not hesitate to contact Chance Dixon at 575.988.1472 or cdixon@vertexresource.com.

9.0 References

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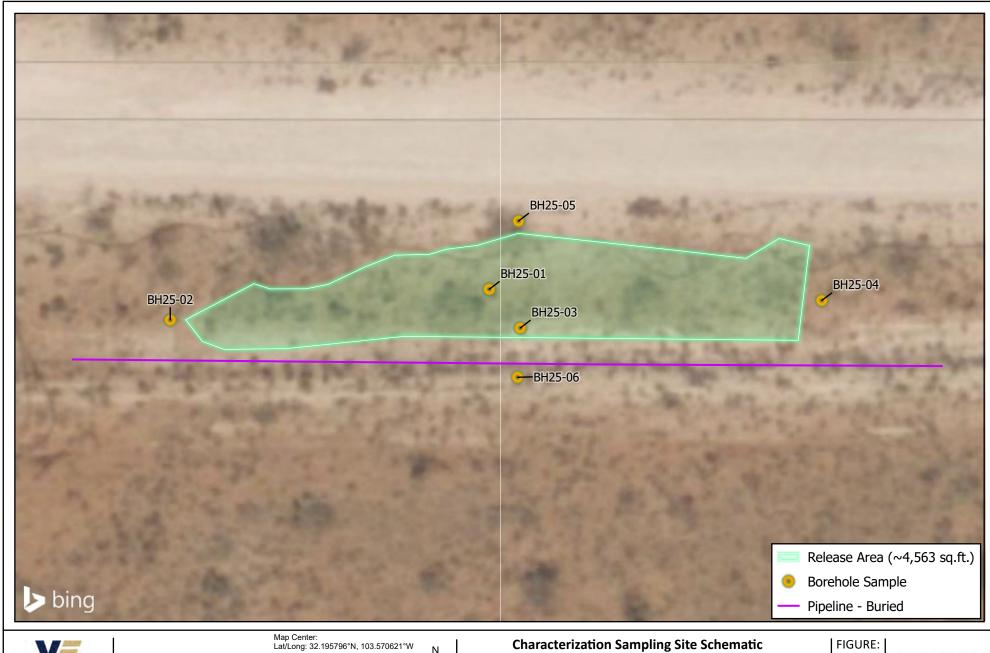
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10.0 Limitations

This report has been prepared for the sole benefit of Jonah Energy. This document may not be used by any other person or entity, with the exception of the New Mexico Oil Conservation Division and New Mexico State Land Office, without the express written consent of Vertex Resource Services Inc. (Vertex), Tap Rock Resources and Jonah Energy. Any use of this report by a third party, or any reliance on decisions made based on it, or damages suffered as a result of the use of this report are the sole responsibility of the user.

The information and conclusions contained in this report are based upon work undertaken by trained professional and technical staff in accordance with generally accepted scientific practices current at the time the work was performed. The conclusions and recommendations presented represent the best judgement of Vertex based on the data collected during the assessment. Due to the nature of the assessment and the data available, Vertex cannot warrant against undiscovered environmental liabilities. Conclusions and recommendations presented in this report should not be considered legal advice.

FIGURES



NAD 1983 StatePlane New Mexico East FIPS 3001 Feet

Date: May 20/25

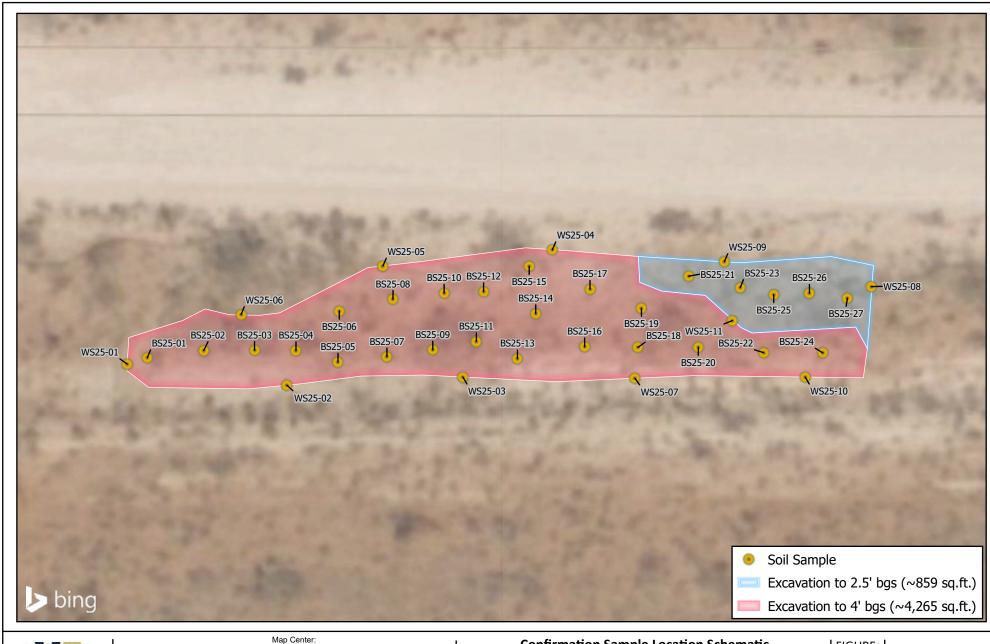
Incident ID nAPP2511450571 **Jackson Disposal Line 50571**

1



Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Georeferenced image from Esri, 2025. Site features from GPS, Vertex, 2025.







Map Center: Lat/Long: 32.195818°N, 103.570619°W

Date: May 20/25

w N N

Confirmation Sample Location Schematic Incident ID nAPP2511450571 Jackson Disposal Line 50571

FIGURE:

2



Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Georeferenced image from Esri, 2025. Site features from GPS, Vertex, 2025.

TABLES

Client Name: Jonah Energy

Site Name: Jackson Disposal Line 50571 NMOCD Tracking #: nAPP2511450571

Project #: 25A-02314

Lab Reports: E505047, E505079

	Table 3. Initial Characterization Sample Field Screen and Laboratory Results												
Sample Description Field Screen					ng	Petroleum Hydrocarbons							
			S			Vol	atile			Extractable	1		Inorganic
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
							Depth 1	to Groundy	vater >100				
	0.5	May 3, 2025	-	-	14,835	-	-	-	-	-	-	-	-
BH25-01	2	May 3, 2025	-	-	7,405	-	-	-	-	-	-	-	-
	3	May 3, 2025	-	33	695	ND	ND	ND	ND	ND	ND	ND	172
	4	May 3, 2025	-	11	298	ND	ND	ND	ND	ND	ND	ND	128
BH25-02	0.5	May 3, 2025	-	21	140	ND	ND	ND	ND	ND	ND	ND	ND
BH25-02	2	May 3, 2025	-	19	210	ND	ND	ND	ND	ND	ND	ND	120
BH25-03	0.5	May 3, 2025	-	-	345	-	-	-	-	-	-	-	-
BH25-03	2	May 3, 2025	-	-	1,888	-	-	-	-	-	-	-	-
BH25-04	0.5	May 3, 2025	-	25	83	ND	ND	ND	ND	ND	ND	ND	22.5
BH25-04	2	May 3, 2025	-	23	245	ND	ND	ND	ND	ND	ND	ND	168
BH25-05	0.5	May 3, 2025	-	39	133	ND	ND	ND	ND	ND	ND	ND	61.5
BH25-05	2	May 3, 2025	-	9	63	ND	ND	ND	ND	ND	ND	ND	28.1
BH25-06	0.5	May 6, 2025	-	11	278	ND	ND	ND	ND	ND	ND	ND	ND
BH25-06	2	May 6, 2025	-	21	145	ND	ND	ND	ND	ND	ND	ND	27.1

[&]quot;ND" Not Detected at the Reporting Limit

Bold and green shaded indicates exceedance outside of NMOCD Reclamation Criteria (off-pad)



[&]quot;-" indicates not analyzed/assessed

Client Name: Jonah Energy

Site Name: Jackson Disposal Line 50571 NMOCD Tracking #: nAPP2511450571

Project #: 25A-02314

Lab Reports: E505162, E505179, E505198, E505234, E506006

		Table 4. Confi	matory Sa	mple Fiel	d Screen a	nd Labora	tory Resu	lts			
S	Sample Descrip	otion		Petroleum Hydrocarbons							
			Vol	atile		•	Extractable	•		Inorganic	
Sample ID	Depth (ft)	Sample Date	Benzene	BTEX (Total)	জিল Gasoline Range Organics সি (GRO)	Diesel Range Organics (DRO)	স্ত্র Motor Oil Range Organics স্ত্র (MRO)	(gkO + DRO)	ত্ত্ৰ Total Petroleum সূত্ৰ Hydrocarbons (TPH)	3 දී Chloride Concentration කි	
			(IIIg/ Kg/	(IIIg/ Kg)		epth to Gro			(1118/18)	(IIIg/ kg/	
BS25-01	4	May 14, 2025	ND	ND	ND	ND	ND	ND	ND	1580	
BS25-02	4	May 14, 2025	ND	ND	ND	ND	ND	ND	ND	2050	
BS25-03	4	May 14, 2025	ND	ND	ND	ND	ND	ND	ND	5290	
BS25-04	4	May 14, 2025	ND	ND	ND	ND	ND	ND	ND	3250	
BS25-05	4	May 14, 2025	ND	ND	ND	ND	ND	ND	ND	1530	
BS25-06	4	May 14, 2025	ND	ND	ND	ND	ND	ND	ND	1480	
BS25-07	4	May 14, 2025	ND	ND	ND	ND	ND	ND	ND	3700	
BS25-08	4	May 14, 2025	ND	ND	ND	ND	ND	ND	ND	1900	
BS25-09	4	May 13, 2025	ND	ND	ND	ND	ND	ND	ND	3770	
BS25-10	4	May 13, 2025	ND	ND	ND	ND	ND	ND	ND	2120	
BS25-11	4	May 13, 2025	ND	ND	ND	ND	ND	ND	ND	2560	
BS25-12	4	May 13, 2025	ND	ND	ND	ND	ND	ND	ND	1920	
BS25-13	4	May 13, 2025	ND	ND	ND	358	203	358	561	2200	
BS25-14	4	May 13, 2025	ND	ND	ND	ND	ND	ND	ND	748	
BS25-15	4	May 13, 2025	ND	ND	ND	ND	ND	ND	ND	4650	
BS25-16	4	May 13, 2025	ND	ND	ND	ND	ND	ND	ND	107	
BS25-17	4	May 13, 2025	ND	ND	ND	ND	ND	ND	ND	540	
BS25-18	4	May 13, 2025	ND	ND	ND	ND	ND	ND	ND	435	
BS25-19	4	May 13, 2025	ND	ND	ND	ND	ND	ND	ND	161	
BS25-20	4	May 13, 2025	ND	ND	ND	ND	ND	ND	ND	252	
BS25-21	2.5	May 15, 2025	ND	ND	ND	ND	ND	ND	ND	239	
BS25-22	4	May 13, 2025	ND	ND	ND	ND	ND	ND	ND	236	
BS25-23	2.5	May 15, 2025	ND	ND	ND	98.9	211	98.9	309.9	232	
0323-23	2.75	May 30, 2025	ND	ND	ND	ND	ND	ND	ND	42.2	
BS25-24	4	May 13, 2025	ND	ND	ND	ND	ND	ND	ND	313	
BS25-25	2.5	May 15, 2025	ND	ND	ND	ND	ND	ND	ND	245	
BS25-26	2.5	May 15, 2025	ND	ND	ND	105	230	105	335	234	
	2.75	May 30, 2025	ND	ND	ND	ND	ND	ND	ND	ND	
BS25-27	2.5	May 15, 2025	ND	ND	ND	ND	62	ND	62	236	



9	Sample Descrip	otion			Petrole	um Hydrod	arbons			
	Vol	Volatile Extractable						Inorganic		
Sample ID	Depth (ft)	Sample Date	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	, Chloride Concentration
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg) epth to Gro	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
WS25-01	0-4	May 14, 2025	ND	ND	ND	ND	ND	ND	ND	433
WS25-02	0-4	May 15, 2025	ND	ND	ND	ND	ND	ND	ND	149
WS25-03	0-4	May 14, 2025	ND	ND	ND	33.2	ND	ND	ND	190
WS25-04	0-4	May 14, 2025	ND	ND	ND	ND	ND	ND	ND	165
WS25-05	0-4	May 14, 2025	ND	ND	ND	ND	ND	ND	ND	104
WS25-06	0-4	May 14, 2025	ND	ND	ND	ND	ND	ND	ND	195
WS25-07	0-4	May 15, 2025	ND	ND	ND	ND	ND	ND	ND	83
WS25-08	0-2.5	May 15, 2025	ND	ND	ND	ND	ND	ND	ND	308
WS25-09	0-2.5	May 15, 2025	ND	ND	ND	ND	ND	ND	ND	49.1
WS25-10	0-4	May 15, 2025	ND	ND	ND	ND	ND	ND	ND	73.3
WS25-11	2.5-4	May 15, 2025	ND	ND	ND	ND	ND	ND	ND	86.8
Backfill-1	0	May 13, 2025	ND	ND	ND	ND	ND	ND	ND	ND
Backfill-2	0	May 13, 2025	ND	ND	ND	ND	ND	ND	ND	54.6
Topsoil-1	0	May 13, 2025	ND	ND	ND	ND	ND	ND	ND	ND
Topsoil-2	0	May 13, 2025	ND	ND	ND	ND	ND	ND	ND	ND

[&]quot;ND" Not Detected at the Reporting Limit

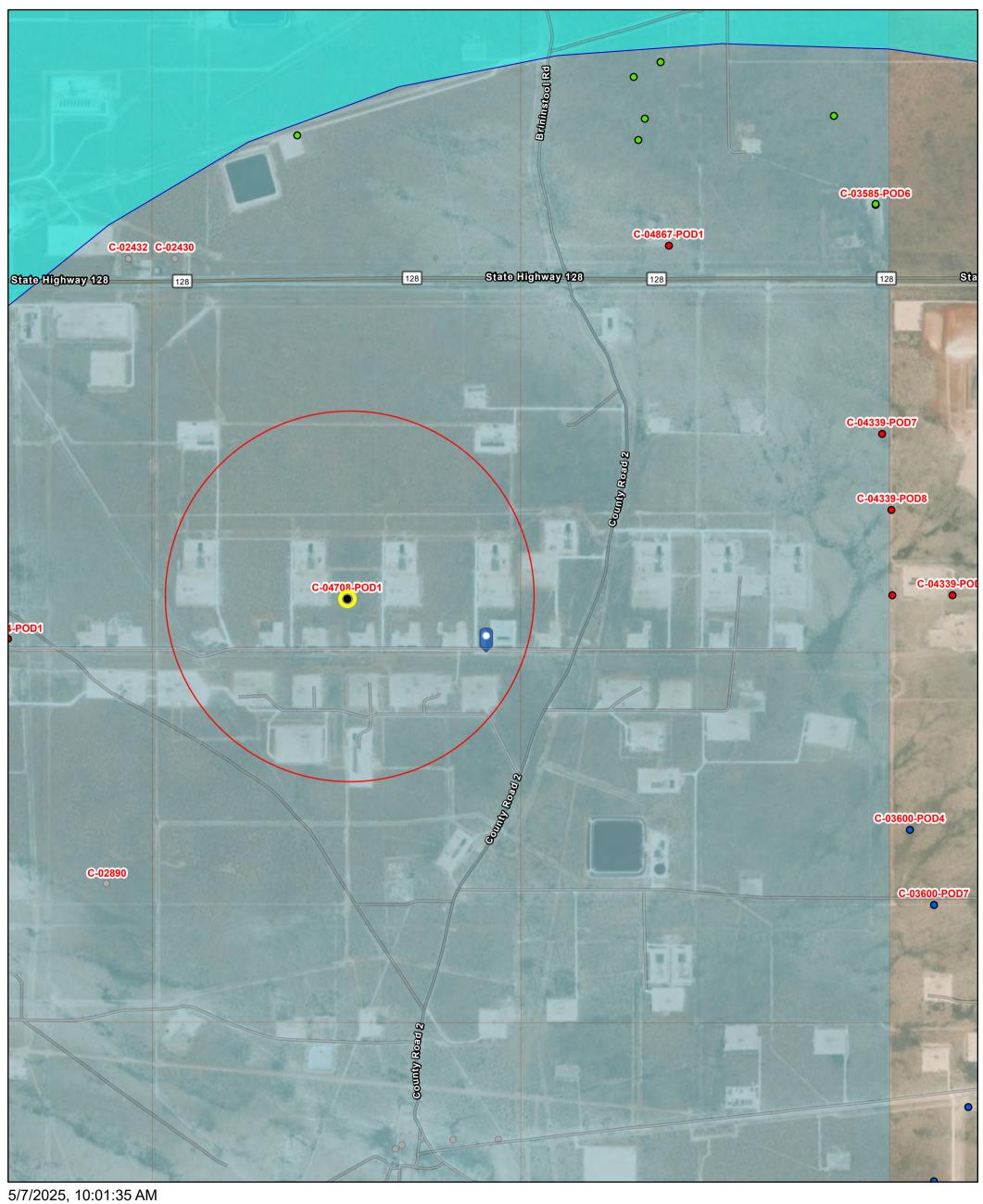
Bold and green shaded indicates exceedance outside of NMOCD Reclamation Criteria (off-pad)



[&]quot;-" indicates not analyzed/assessed

APPENDIX A – Closure Criteria Research Documentation

OSE POD Location Map



GIS WATERS PODs

Plugged

Active

Pending

OSE District Boundary

Inactive

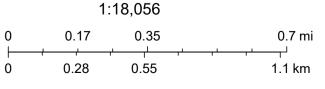
Closure Area

Artesian Plan Area

New Mexico State Trust Lands

Both Estates

Closure Area



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Maxar

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	Υ	Мар
NA	C 04708 POD1	NW	SW	SE	21	24S	33E	634149.2	3563262.8	•

* UTM location was derived from PLSS - see Help

Driller License:	1453	Driller Company:	HYDROTECH DRILLING	
Driller Name:	JOE SKAGGS			
Drill Start Date:	2023-03-23	Drill Finish Date:	2023-03-27	Plug Date:
Log File Date:	2023-06-23	PCW Rcv Date:		Source:
Pump Type:		Pipe Discharge Size:		Estimated Yield:
Casing Size:	3.00	Depth Well:	100	Depth Water:

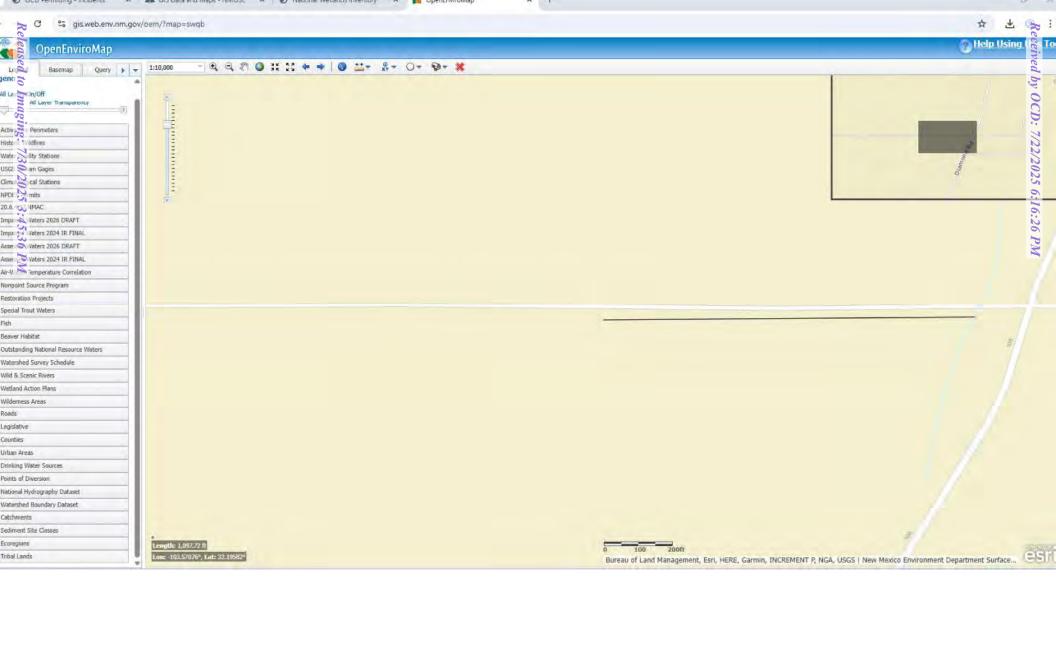
Casing Perforations:

Тор	Bottom
80	100

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, or suitability for any particular purpose of the data.

5/7/25 10:13 AM MST Point of Diversion Summary

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Jackson Disposal Line_Lake_116,188 ft



May 30, 2025

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

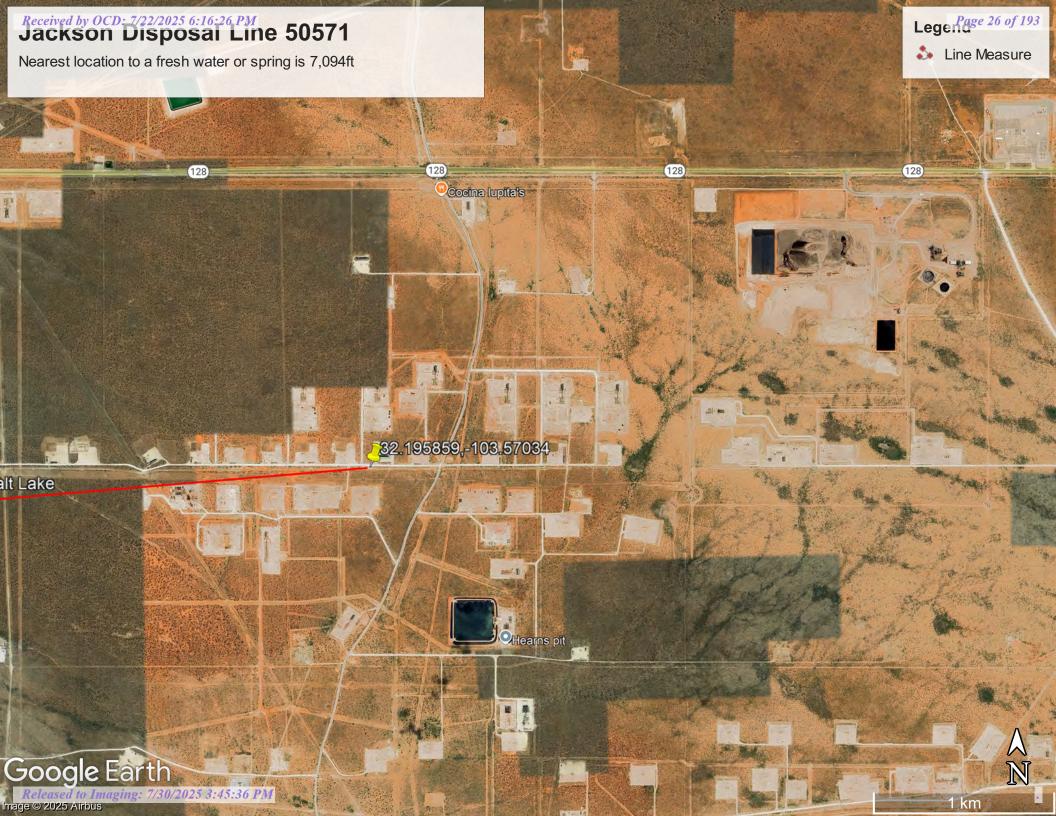
Riverine

Other

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.

Service is not responsible for the accuracy or currentness of the







Wetland Map



May 7, 2025

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

eshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

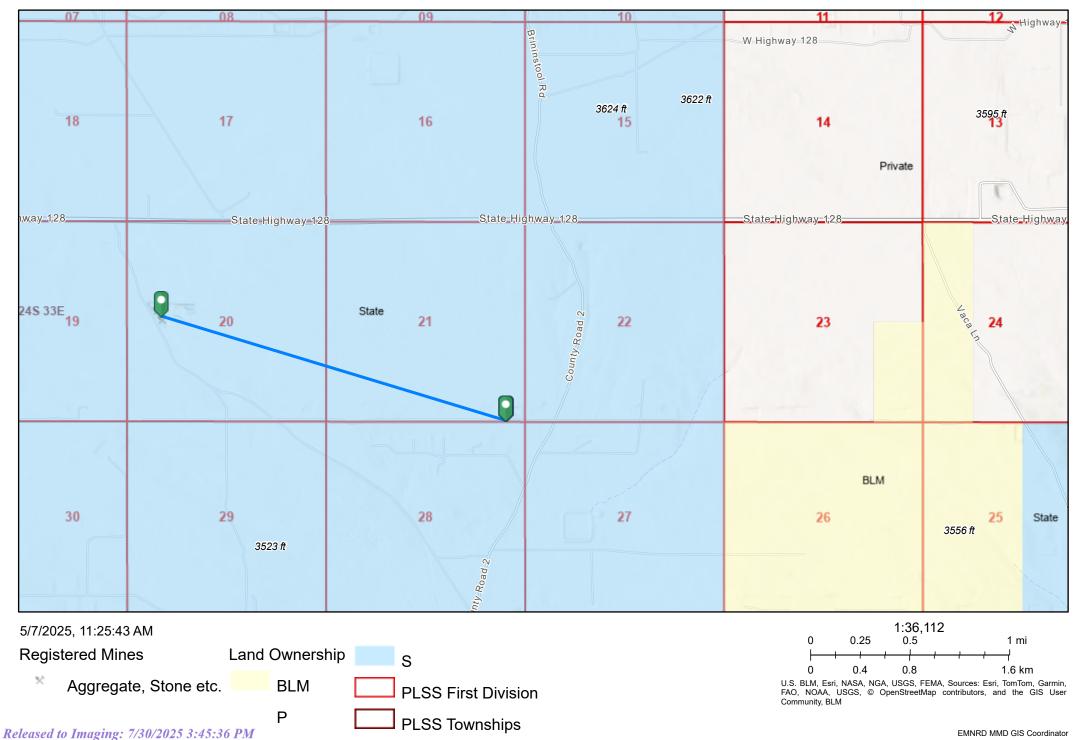
Lake

Other

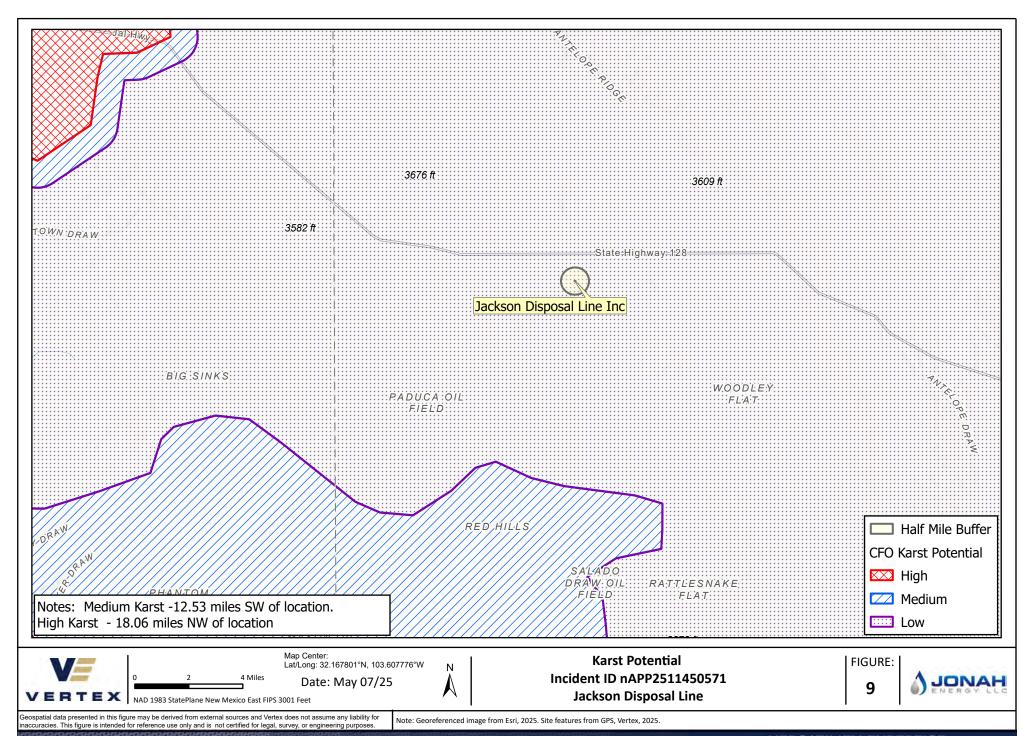
Riverine

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.

Active Mines in New Mexico



Released to Imaging: 7/30/2025 3:45:36 PM



OReleas 250 Im 5 9 Ang: 7/30/2025 \$995:36 PM

National Flood Hazard Layer FIRMette



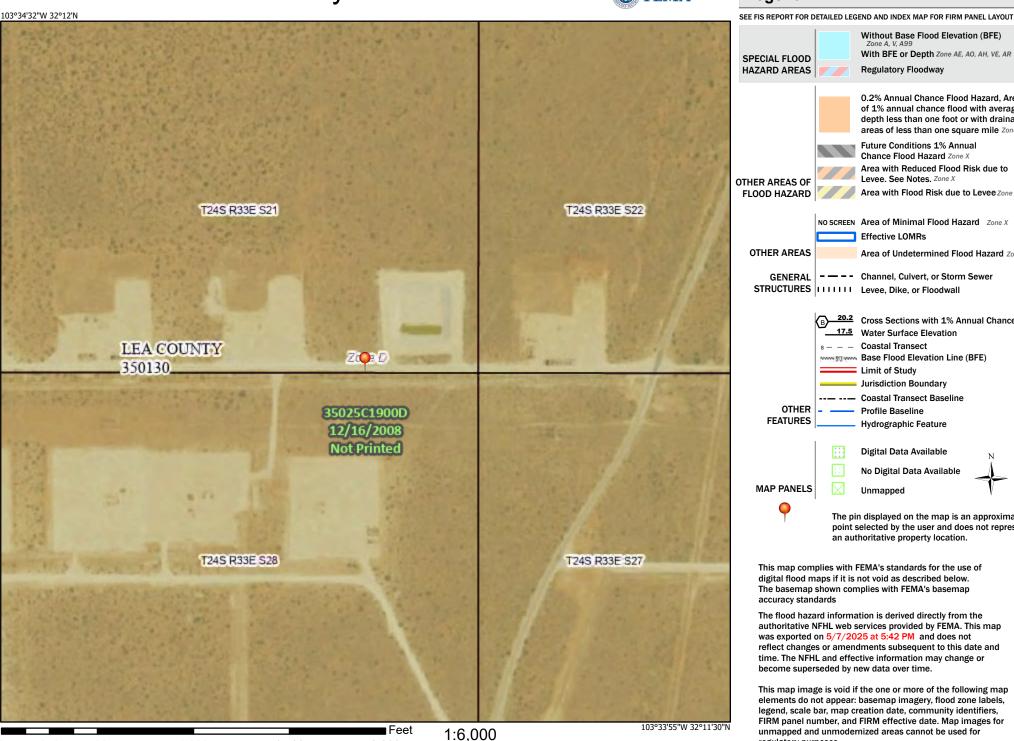


Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD HAZARD AREAS Regulatory Floodway 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X **Future Conditions 1% Annual** Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X OTHER AREAS OF Area with Flood Risk due to Levee Zone D FLOOD HAZARD NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D **GENERAL** - - - Channel, Culvert, or Storm Sewer STRUCTURES | LILLILL Levee, Dike, or Floodwall 20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation **Coastal Transect** Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary — --- Coastal Transect Baseline OTHER **Profile Baseline FEATURES** Hydrographic Feature Digital Data Available No Digital Data Available MAP PANELS 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 5/7/2025 at 5:42 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.



2,000

Custom Soil Resource Report

Lea County, New Mexico

PU—Pyote and Maljamar fine sands

Map Unit Setting

National map unit symbol: dmqq Elevation: 3,000 to 3,900 feet

Mean annual precipitation: 10 to 12 inches
Mean annual air temperature: 60 to 62 degrees F

Frost-free period: 190 to 205 days

Farmland classification: Not prime farmland

Map Unit Composition

Pyote and similar soils: 46 percent
Maljamar and similar soils: 44 percent

Minor components: 10 percent

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

Description of Pyote

Setting

Landform: Plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear Across-slope shape: Linear

Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 30 inches: fine sand

Bt - 30 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained Runoff class: Negligible

Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00

in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Low (about 5.1 inches)

Interpretive groups

Land capability classification (irrigated): 6e Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: A

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Custom Soil Resource Report

Description of Maljamar

Setting

Landform: Plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear Across-slope shape: Linear

Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 24 inches: fine sand
Bt - 24 to 50 inches: sandy clay loam
Bkm - 50 to 60 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 40 to 60 inches to petrocalcic

Drainage class: Well drained Runoff class: Very low

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: 5 percent

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Low (about 5.6 inches)

Interpretive groups

Land capability classification (irrigated): 6e Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: B

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Minor Components

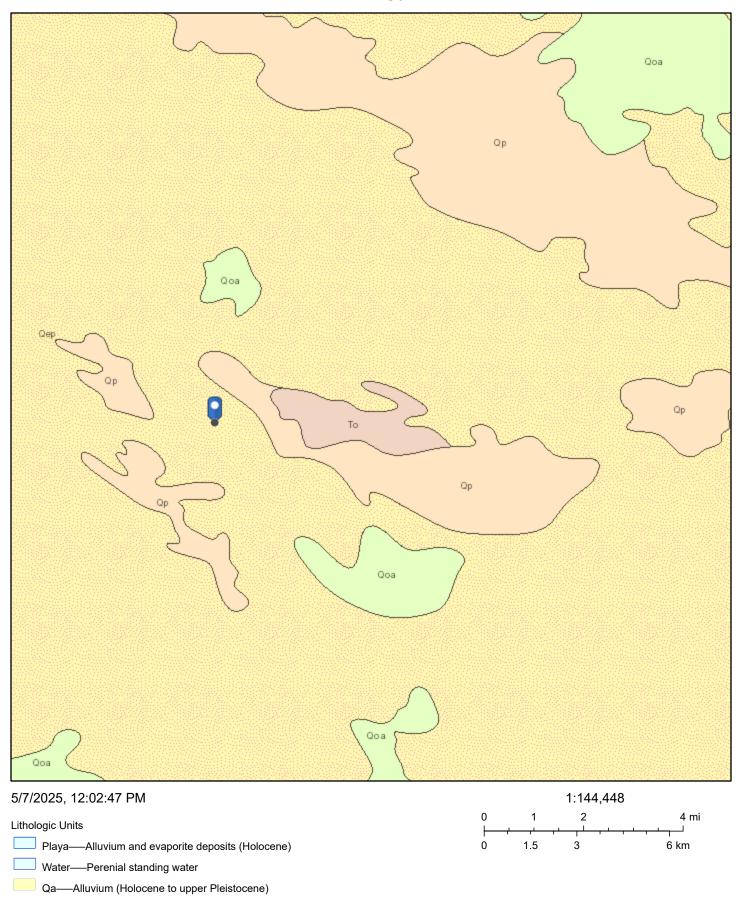
Kermit

Percent of map unit: 10 percent

Ecological site: R070BC022NM - Sandhills

Hydric soil rating: No

13_Geology



Esri, NASA, NGA, USGS, USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road data;

APPENDIX B – Daily Field and Sampling Reports

Daily Site Visit Report

	V	
V	ERTE	×

Client:	Jonah Energy	Incident ID #:	nAPP2511450571	
Site Location Name:	Jackson Disposal Line	API #:		
Inspection Date:	5/19/2025	_		
		Summary o	f Times	
Arrived at Site	5/19/2025 8:11 AM			
Departed Site	5/19/2025 2:54 PM			,

- Field Notes
- 8:44 Completed JSA on arrival. On site to collect remaining confirmation wall samples from south walls of excavation.
- **8:47** Updated excavation map in ArcGIS and confirmed sampling locations. Swept excavation surfaces with magnetic locator prior to ground disturbance.
- **14:41** Collected confirmation samples WS25-02, WS25-07, and WS25-10 from 0 to 4 feet bgs of south wall of excavation. Collected confirmation sample WS25-11 from 2.5 to 4 feet bgs of interior excavation wall. Confirmation samples collected from the excavation walls were 5-point composites representing areas no greater than 200 square feet.
- **14:41** Field screening results for all samples were below NMOCD strictest criteria for chloride and TPH.

Next Steps & Recommendations

1 Send confirmation samples to laboratory for analyses.

Daily Site Visit Report



Site Photos

Viewing Direction: Southwest



North edge of excavation facing southwest. Collected confirmation sample WS25-02.

Viewing Direction: South



North edge of excavation facing south. Collected confirmation sample WS25-10.

Viewing Direction: Southeast



North edge of excavation facing southeast. Collected confirmation sample WS25-07.

Viewing Direction: Northeast



Inside excavation facing northeast. Collected confirmation sample WS25-11.





East end of excavation facing west. Excavations to 2.5 and 4 feet bgs.



East end of excavation facing west. Excavations to 2.5 and 4 feet bgs.



South edge of excavation facing eastnortheast. Excavations to 2.5 and 4 feet bgs.



South edge of excavation facing westnorthwest. Excavation to 4 feet bgs.





West end of excavation facing east. Excavations to 2.5 and 4 feet bgs.



North edge of excavation facing westsouthwest. Excavation to 4 feet bgs.





North edge of excavation facing eastsoutheast. Excavations to 2.5 and 4 feet bgs.



Daily Site Visit Signature

Inspector: Lakin Pullman

Signature:

	V	V		7	
	1				
V	E	B	T	E	3

Client: Jonah Energy Incident ID #: Jackson Disposal Line Site Location Name: API#: Inspection Date: 5/30/2025

Summary of Times Arrived at Site 5/30/2025 12:45 PM **Departed Site** 5/30/2025 4:08 PM

Field Notes

13:22 Completed safety paperwork on site

13:23 On site to recollect confirmation base samples BS25-23 and 26 after 1pm per sampling notice

13:35 Obtained:

BS25-23 @ 2.75' bgs

BS25-26 @ 2.75' bgs

16:08 Field screens returned under strictest closure criteria for TPH and Chloride.

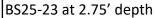
Next Steps & Recommendations

1 Send samples to lab



Site Photos







BS25-26 at 2.75' depth



Daily Site Visit Signature

Inspector: Austin Harris

Signature:



Client: nAPP2511450571 Jonah Energy Incident ID #:

nAPP2231658827

Jackson Disposal Line Site Location Name: API#:

Inspection Date: 7/22/2025

Arrived at Site 7/22/2025 8:20 AM

Departed Site 7/22/2025 9:46 AM

Field Notes

8:49 On site to document completed backfill of excavation. Assessed site reviewed safety, and filled out JSAs.

8:50 Began documenting completed backfill of excavation.

Next Steps & Recommendations

1



Site Photos



View of backfilled excavation from access road.





East end of backfilled excavation facing west.



Mid point of backfilled excavation facing west.





West end of backfilled excavation facing east.



West end of backfilled excavation facing east.



Mid point of backfilled excavation facing east.



Side has been seeded.





Side has been seeded.



East end of worksite.



Former backfill pile staging area.



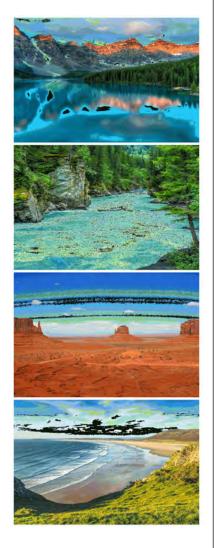
Daily Site Visit Signature

Inspector: Andrew Ludvik

Signature:

APPENDIX C – Laboratory Data Reports and Chain of Custody Forms

Report to:
Chance Dixon



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Vertex Resource Services Inc.

Project Name: Jackson Disposal 50571

Work Order: E505047

Job Number: 25013-0001

Received: 5/6/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 5/12/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 5/12/25

Chance Dixon 3101 Boyd Drive Carlsbad, NM 88220

Project Name: Jackson Disposal 50571

Workorder: E505047

Date Received: 5/6/2025 8:00:00AM

Chance Dixon,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/6/2025 8:00:00AM, under the Project Name: Jackson Disposal 50571.

The analytical test results summarized in this report with the Project Name: Jackson Disposal 50571 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

Laboratory Technical Representative Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com



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Sample Summary

Vertex Resource Services Inc.	Project Name:	Jackson Disposal 50571	Reported:
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	05/12/25 10:53

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH25-01 3'	E505047-01A	Soil	05/03/25	05/06/25	Glass Jar, 4 oz.
BH25-01 4'	E505047-02A	Soil	05/03/25	05/06/25	Glass Jar, 4 oz.
BH25-02 0'	E505047-03A	Soil	05/03/25	05/06/25	Glass Jar, 4 oz.
BH25-02 2'	E505047-04A	Soil	05/03/25	05/06/25	Glass Jar, 4 oz.
BH25-04 0'	E505047-05A	Soil	05/03/25	05/06/25	Glass Jar, 4 oz.
BH25-04 2'	E505047-06A	Soil	05/03/25	05/06/25	Glass Jar, 4 oz.
BH25-05 0'	E505047-07A	Soil	05/03/25	05/06/25	Glass Jar, 4 oz.
BH25-05 2'	E505047-08A	Soil	05/03/25	05/06/25	Glass Jar, 4 oz.

Vertex Resource Services Inc.	Project Name:	Jackson Disposal 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	5/12/2025 10:53:44AM

BH25-01 3' E505047-01

	E303047-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: BA		Batch: 2519032
ND	0.0250	1	05/06/25	05/07/25	
ND	0.0250	1	05/06/25	05/07/25	
ND	0.0250	1	05/06/25	05/07/25	
ND	0.0250	1	05/06/25	05/07/25	
ND	0.0500	1	05/06/25	05/07/25	
ND	0.0250	1	05/06/25	05/07/25	
	103 %	70-130	05/06/25	05/07/25	
mg/kg	mg/kg	Analy	st: BA		Batch: 2519032
ND	20.0	1	05/06/25	05/07/25	
	79.9 %	70-130	05/06/25	05/07/25	
mg/kg	mg/kg	Analy	st: HM		Batch: 2519045
ND	25.0	1	05/06/25	05/07/25	
ND	50.0	1	05/06/25	05/07/25	
	102 %	61-141	05/06/25	05/07/25	
mg/kg	mg/kg	Analy	st: DT		Batch: 2519075
172	20.0	1	05/07/25	05/07/25	
	mg/kg ND Mg/kg ND mg/kg	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 I03 % mg/kg Mg/kg mg/kg ND 20.0 79.9 % mg/kg ND 25.0 ND 50.0 102 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 Mg/kg mg/kg Analy ND 20.0 1 79.9 % 70-130 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 102 % 61-141 1 mg/kg mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg Analyst: BA ND 0.0250 1 05/06/25 ND 0.0250 1 05/06/25 ND 0.0250 1 05/06/25 ND 0.0250 1 05/06/25 ND 0.0500 1 05/06/25 ND 0.0250 1 05/06/25 mg/kg Malyst: BA ND 20.0 1 05/06/25 mg/kg Analyst: BA ND 20.0 1 05/06/25 mg/kg Mg/kg Analyst: HM ND 25.0 1 05/06/25 ND 50.0 1 05/06/25 ND 50.0 1 05/06/25 mg/kg Mg/kg Analyst: HM	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 05/06/25 05/07/25 ND 0.0250 1 05/06/25 05/07/25 ND 0.0250 1 05/06/25 05/07/25 ND 0.0500 1 05/06/25 05/07/25 ND 0.0250 1 05/06/25 05/07/25 ND 0.0250 1 05/06/25 05/07/25 ND 0.0250 1 05/06/25 05/07/25 mg/kg mg/kg Analyst: BA ND 20.0 1 05/06/25 05/07/25 mg/kg mg/kg Analyst: HM ND 25.0 1 05/06/25 05/07/25 ND 50.0 1 05/06/25 05/07/25 ND 50.0 1 05/06/25 05/07/25 ND 50.0 1 05/06/25



Surrogate: n-Nonane

Chloride

Anions by EPA 300.0/9056A

Sample Data

Vertex Resource Services Inc.Project Name:Jackson Disposal 505713101 Boyd DriveProject Number:25013-0001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon5/12/2025 10:53:44AM

BH25-01 4' E505047-02

Reporting Analyte Result Limit Dilution Analyzed Prepared Notes Analyst: BA Batch: 2519032 mg/kg mg/kg Volatile Organics by EPA 8021B 05/07/25 ND 0.0250 05/06/25 Benzene 1 05/06/25 05/07/25 Ethylbenzene ND 0.0250ND 0.0250 1 05/06/25 05/07/25 Toluene 1 05/06/25 05/07/25 o-Xylene ND 0.02501 05/06/25 05/07/25 ND 0.0500 p,m-Xylene 05/06/25 05/07/25 0.0250 1 Total Xylenes ND 110 % 05/07/25 70-130 05/06/25 Surrogate: 4-Bromochlorobenzene-PID mg/kg Analyst: BA Batch: 2519032 Nonhalogenated Organics by EPA 8015D - GRO mg/kg 05/07/25 ND 20.0 1 05/06/25 Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID 87.9 % 05/06/25 05/07/25 70-130 mg/kg mg/kg Analyst: HM Batch: 2519045 Nonhalogenated Organics by EPA 8015D - DRO/ORO ND 25.0 05/06/25 05/07/25 Diesel Range Organics (C10-C28) 05/06/25 05/07/25 Oil Range Organics (C28-C36) ND 50.0 1

104 %

mg/kg

20.0

mg/kg

128

61-141

05/06/25

05/07/25

Analyst: DT

1

05/07/25

05/07/25

Batch: 2519075



Vertex Resource Services Inc.	Project Name:	Jackson Disposal 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	5/12/2025 10:53:44AM

BH25-02 0' E505047-03

		E303047-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2519032
Benzene	ND	0.0250	1	05/06/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/06/25	05/07/25	
Toluene	ND	0.0250	1	05/06/25	05/07/25	
o-Xylene	ND	0.0250	1	05/06/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/06/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/06/25	05/07/25	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	05/06/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2519032
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/06/25	05/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.0 %	70-130	05/06/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: HM		Batch: 2519045
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/07/25	
Surrogate: n-Nonane		105 %	61-141	05/06/25	05/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2519075
Chloride	ND	20.0	1	05/07/25	05/07/25	



Vertex Resource Services Inc.	Project Name:	Jackson Disposal 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	5/12/2025 10:53:44AM

BH25-02 2' E505047-04

	E303047 04				
Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2519032
ND	0.0250	1	05/06/25	05/07/25	
ND	0.0250	1	05/06/25	05/07/25	
ND	0.0250	1	05/06/25	05/07/25	
ND	0.0250	1	05/06/25	05/07/25	
ND	0.0500	1	05/06/25	05/07/25	
ND	0.0250	1	05/06/25	05/07/25	
	108 %	70-130	05/06/25	05/07/25	
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2519032
ND	20.0	1	05/06/25	05/07/25	
	83.4 %	70-130	05/06/25	05/07/25	
mg/kg	mg/kg	Ana	lyst: HM		Batch: 2519045
ND	25.0	1	05/06/25	05/07/25	
ND	50.0	1	05/06/25	05/07/25	
	105 %	61-141	05/06/25	05/07/25	
mg/kg	mg/kg	Ana	lyst: DT		Batch: 2519075
120	20.0	1	05/07/25	05/07/25	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 MD 20.0250 MB/kg mg/kg MB/kg mg/kg ND 20.0 83.4 % mg/kg ND 25.0 ND 50.0 105 % mg/kg mg/kg mg/kg	mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 20.0250 1 ND 20.0 1 83.4 % 70-130 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1 105 % 61-141 61-141 mg/kg mg/kg Ana	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 05/06/25 ND 0.0250 1 05/06/25 ND 0.0250 1 05/06/25 ND 0.0500 1 05/06/25 ND 0.0250 1 05/06/25 ND 0.0250 1 05/06/25 mg/kg mg/kg Analyst: BA ND 20.0 1 05/06/25 mg/kg mg/kg Analyst: HM ND 25.0 1 05/06/25 ND 50.0 1 05/06/25 ND 50.0 1 05/06/25 ND 50.0 1 05/06/25 ND 50.0 1 05/06/25 Mg/kg Mg/kg Analyst: HM	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 05/06/25 05/07/25 ND 0.0500 1 05/06/25 05/07/25 ND 0.0250 1 05/06/25 05/07/25 MD 0.0250 1 05/06/25 05/07/25 mg/kg mg/kg Analyst: BA ND 20.0 1 05/06/25 05/07/25 mg/kg mg/kg Analyst: HM ND 25.0 1 05/06/25 05/07/25 ND 25.0 1 05/06/25 05/07/25 ND 50.0 1 05/06/25 05/07/25 ND 50.0 1 05/06/25 05/07/25 <td< td=""></td<>



Vertex Resource Services Inc.	Project Name:	Jackson Disposal 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	5/12/2025 10:53:44AM

BH25-04 0' E505047-05

		E303047-03				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
				alyst: BA	<u> </u>	Batch: 2519032
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Alla	-		Baten: 2319032
Benzene	ND	0.0250	1	05/06/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/06/25	05/07/25	
Toluene	ND	0.0250	1	05/06/25	05/07/25	
o-Xylene	ND	0.0250	1	05/06/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/06/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/06/25	05/07/25	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	05/06/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2519032
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/06/25	05/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.0 %	70-130	05/06/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: HM		Batch: 2519045
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/07/25	
Surrogate: n-Nonane		101 %	61-141	05/06/25	05/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: DT		Batch: 2519075
Chloride	22.5	20.0	1	05/07/25	05/07/25	



Vertex Resource Services Inc.	Project Name:	Jackson Disposal 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	5/12/2025 10:53:44AM

BH25-04 2' E505047-06

Reportin lt Limit	g Dilution	Prepared	A malarga J	
			Analyzed	Notes
g mg/kg	Anal	lyst: BA		Batch: 2519032
0.0250	1	05/06/25	05/07/25	
0.0250	1	05/06/25	05/07/25	
0.0250	1	05/06/25	05/07/25	
0.0250	1	05/06/25	05/07/25	
0.0500	1	05/06/25	05/07/25	
0.0250	1	05/06/25	05/07/25	
103 %	70-130	05/06/25	05/07/25	
g mg/kg	Anal	lyst: BA		Batch: 2519032
20.0	1	05/06/25	05/07/25	
79.4 %	70-130	05/06/25	05/07/25	
g mg/kg	Anal	lyst: HM		Batch: 2519045
25.0	1	05/06/25	05/07/25	
50.0	1	05/06/25	05/07/25	
102 %	61-141	05/06/25	05/07/25	
g mg/kg	Anal	lyst: DT		Batch: 2519075
20.0	1	05/07/25	05/07/25	
	0.0250 0.0250 0.0250 0.0250 0.0250 0.0500 0.0250 103 % 103 mg/kg 20.0 79.4 % 102 mg/kg 102 %	0.0250 1 0.0250 1 0.0250 1 0.0250 1 0.0250 1 0.0250 1 0.0250 1 0.0500 1 0.0250 1 103 % 70-130 0 20.0 1 0 79.4 % 70-130 0 mg/kg Ana 0 20.0 1 0 102 % 61-141 0 mg/kg Ana	0.0250 1 05/06/25 0.0250 1 05/06/25 0.0250 1 05/06/25 0.0250 1 05/06/25 0.0250 1 05/06/25 0.05/06/25 0.05/06/25 0.0250 1 05/06/25	0.0250 1 05/06/25 05/07/25 0.0250 1 05/06/25 05/07/25 0.0250 1 05/06/25 05/07/25 0.0250 1 05/06/25 05/07/25 0.0250 1 05/06/25 05/07/25 0.0500 1 05/06/25 05/07/25 0.0250 1 05/06/25 05/07/25



Vertex Resource Services Inc.	Project Name:	Jackson Disposal 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	5/12/2025 10:53:44AM

BH25-05 0' E505047-07

		E303047-07				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
	mg/kg	mg/kg		ılyst: BA	<u> </u>	Batch: 2519032
Volatile Organics by EPA 8021B			1	05/06/25	05/07/25	Batcii. 2319032
Benzene	ND	0.0250	1			
Ethylbenzene	ND	0.0250	1	05/06/25	05/07/25	
Toluene	ND	0.0250	1	05/06/25	05/07/25	
o-Xylene	ND	0.0250	1	05/06/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/06/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/06/25	05/07/25	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	05/06/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2519032
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/06/25	05/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.2 %	70-130	05/06/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: HM		Batch: 2519045
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/07/25	
Surrogate: n-Nonane		101 %	61-141	05/06/25	05/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: DT		Batch: 2519075
Chloride	61.5	20.0	1	05/07/25	05/07/25	



Vertex Resource Services Inc.	Project Name:	Jackson Disposal 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	5/12/2025 10:53:44AM

BH25-05 2' E505047-08

		E303047-00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2519032
Benzene	ND	0.0250	1	05/06/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/06/25	05/07/25	
Toluene	ND	0.0250	1	05/06/25	05/07/25	
o-Xylene	ND	0.0250	1	05/06/25	05/07/25	
o,m-Xylene	ND	0.0500	1	05/06/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/06/25	05/07/25	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	05/06/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2519032
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/06/25	05/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.1 %	70-130	05/06/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: HM		Batch: 2519045
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/07/25	
Surrogate: n-Nonane		102 %	61-141	05/06/25	05/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2519075
Chloride	28.1	20.0	1	05/07/25	05/07/25	
Cilioriae	40.1	20.0	•	05.07725	00.01120	



QC Summary Data

Jackson Disposal 50571 Vertex Resource Services Inc. Project Name: Reported: 3101 Boyd Drive Project Number: 25013-0001

Carlsbad NM, 88220		Project Number: Project Manager:						5/1	2/2025 10:53:44AM	
Notation										
Analyte	Result		•		Rec		RPD			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2519032-BLK1)							Prepared: 0:	5/06/25 Anal	yzed: 05/09/25	
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
o-Xylene	ND									
•	ND									
	ND									
Surrogate: 4-Bromochlorobenzene-PID	8.55		8.00		107	70-130				
LCS (2519032-BS1)							Prepared: 0:	5/06/25 Anal	lyzed: 05/07/25	
Benzene	5.68	0.0250	5.00		114	70-130				
Ethylbenzene	5.76		5.00		115	70-130				
	5.69	0.0250	5.00		114	70-130				
o-Xylene	5.72	0.0250	5.00		114	70-130				
•	11.2	0.0500	10.0		112	70-130				
	16.9	0.0250	15.0		113	70-130				
Surrogate: 4-Bromochlorobenzene-PID	8.74		8.00		109	70-130				
Matrix Spike (2519032-MS1)				Source: 1	E505044-	06	Prepared: 0:	5/06/25 Anal	lyzed: 05/07/25	
Benzene	5.61	0.0250	5.00	ND	112	70-130				
Ethylbenzene	5.78		5.00	0.0280	115	70-130				
	5.70	0.0250	5.00	ND	114	70-130				
o-Xylene	5.70	0.0250	5.00	0.0275	113	70-130				
p,m-Xylene	11.1	0.0500	10.0	ND	111	70-130				
Total Xylenes	16.8	0.0250	15.0	0.0275	112	70-130				
Surrogate: 4-Bromochlorobenzene-PID	8.36		8.00		104	70-130				
Matrix Spike Dup (2519032-MSD1)				Source: 1	E505044-	06	Prepared: 0	5/06/25 Anal	lyzed: 05/07/25	
Benzene	5.63	0.0250	5.00	ND	113	70-130	0.334	27		
Ethylbenzene	5.75	0.0250	5.00	0.0280	115	70-130	0.453	26		
Toluene	5.65	0.0250	5.00	ND	113	70-130	0.932	20		
o-Xylene	5.79	0.0250	5.00	0.0275	115	70-130	1.54	25		
p,m-Xylene	11.1	0.0500	10.0	ND	111	70-130	0.0916	23		
Total Xylenes	16.9	0.0250	15.0	0.0275	112	70-130	0.465	26		

8.00

107

70-130

Surrogate: 4-Bromochlorobenzene-PID

8.52

Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Vertex Resource Services Inc.Project Name:Jackson Disposal 50571Reported:3101 Boyd DriveProject Number:25013-0001Carlsbad NM, 88220Project Manager:Chance Dixon5/12/2025 10:53:44AM

Carlsbad NM, 88220		Project Manage	r: Ch	ance Dixon					5/12/2025 10:53:44AM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2519032-BLK1)							Prepared: 0	5/06/25 A	Analyzed: 05/09/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.63		8.00		82.9	70-130			
LCS (2519032-BS2)							Prepared: 0	5/06/25 A	Analyzed: 05/07/25
Gasoline Range Organics (C6-C10)	50.6	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.86		8.00		85.7	70-130			
Matrix Spike (2519032-MS2)				Source:	E505044-0	06	Prepared: 0	5/06/25 A	Analyzed: 05/07/25
Gasoline Range Organics (C6-C10)	51.5	20.0	50.0	ND	103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.77		8.00		84.6	70-130			
Matrix Spike Dup (2519032-MSD2)				Source:	E505044-0	06	Prepared: 0	5/06/25 A	Analyzed: 05/07/25

50.0

8.00

ND

103

83.1

0.414

20

70-130

70-130

51.3

6.65

20.0

QC Summary Data

Vertex Resource Services Inc.Project Name:Jackson Disposal 50571Reported:3101 Boyd DriveProject Number:25013-0001Carlsbad NM, 88220Project Manager:Chance Dixon5/12/2025 10:53:44AM

Carlsbad NM, 88220		Project Manager	r: Ch	ance Dixon				3.	/12/2025 10:53:44A1
Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: HM									
Analyte	Result		•		Rec		RPD		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2519045-BLK1)							Prepared: 0	5/06/25 An	alyzed: 05/06/25
Diesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	45.6		50.0		91.2	61-141			
.CS (2519045-BS1)							Prepared: 0	5/06/25 An	alyzed: 05/06/25
viesel Range Organics (C10-C28)	244	25.0	250		97.7	66-144			
urrogate: n-Nonane	45.7		50.0		91.4	61-141			
Matrix Spike (2519045-MS1)				Source:	E505043-1	12	Prepared: 0	5/06/25 An	alyzed: 05/06/25
riesel Range Organics (C10-C28)	257	25.0	250	ND	103	56-156			
urrogate: n-Nonane	47.6		50.0		95.2	61-141			
Matrix Spike Dup (2519045-MSD1)				Source:	E505043-1	12	Prepared: 0	5/06/25 An	alyzed: 05/06/25
riesel Range Organics (C10-C28)	261	25.0	250	ND	104	56-156	1.59	20	
urrogate: n-Nonane	49.6		50.0		99.2	61-141			

Chloride

Chloride

Matrix Spike Dup (2519075-MSD1)

QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Project Number: Project Manager	: 2					Reported: 5/12/2025 10:53:44Al					
Cansoad NW, 86220				300.0/9056	4			Analyst: DT				
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes			
Blank (2519075-BLK1)							Prepared: 0	5/07/25 An	alyzed: 05/07/25			
Chloride	ND	20.0										
LCS (2519075-BS1)							Prepared: 0	5/07/25 An	alyzed: 05/07/25			
Chloride	253	20.0	250		101	90-110						
Matrix Spike (2519075-MS1)				Source:	E505078-	01	Prepared: 0	5/07/25 An	alyzed: 05/07/25			

250

250

20.0

20.0

ND

ND

103

103

Source: E505078-01

80-120

80-120

0.164

Prepared: 05/07/25 Analyzed: 05/07/25

20

256

257

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Vertex Resource Services Inc.Project Name:Jackson Disposal 505713101 Boyd DriveProject Number:25013-0001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon05/12/25 10:53

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



	Clie	nt Inform	nation			Invoice	Information	-	$\neg \tau$			Lab U	se Or	nlv					AT	$\overline{}$	State			
Client: /	Tongh				⊣	Company: Tox			- -	ah W				Num	ber		1D		3D :	514	NM CO		rx I	
Project N	ame: Jac	Kson	N.S.P.	050/50	37/	Address:	on File	i	i	ab W E, C	Ϋ́n	47	25	03	·ÕΌ	$I_{\mathcal{O}}$		-20	30	7		 -		
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Address:		on	File			Phone:				Г		Analysis and Method EPA Po							EPA Pr	ogram)			
City, Stat	e, Zip:	i			_	Email:					T		Γ						SD	WA CW	/A	RCRA		
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Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	····	Field	Lab Numb	er :	DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 · TX	RCRA 8 Metals	Cation/Anion Pkg			Rem	arks		
10:20	5/3	507	1	BH	25 C	n/ 3 [/]									Ī					3	.)			
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9:50				BHZS					6						Π					2.	9			
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Addition	al Instruction	1s: CC	:: Ch	ance	Dixi	0 <i>n</i>			<u> </u>				L							 				
I, (field samp		validity and a	authenticity o	of this sample.		that tampering with or inter	ntionally mislabeling the	sampl	le location	n, date	or time	of collec	tion is	conside	ered fr	aud an	d may	be gro	unds for	legal action	i.			
	d by: (Signatur		Date	Т	Time	Refleted By: (Stana	aty e) a	Date	- ^	Tin	ne _		<u> </u>		Sample	es requir	ring the	rmal pr	eservatio	n must be re	eived on ice the	e day they	are .	
Ca	21		5	5/5		vickelle	Gongales	15-	SJ	5	100	QC	l	44.	sample	ed or rec	eived p	oacked i	n ice at a	avg temp a	oove 0 but less (than 6 °C	on	
Relinquished by: (Signature) Date Time Received by: (Signature) Received by: (Signature) Date Time Received by: (Signature) Date Date Date Date Date										·5	<u>"[4</u>	30			Rece	eived	on ic	ce:		Use On N	ly			
Mgri	and Stor	nzalei	Date 5	_ T	1610	Received by: (Signa	otue)	Date	5.29	5 Tin	ne/6	/ 0			<u>T1</u>			_	<u>T2</u>		<u></u>			
Relinquishe	d by: (Signature	2)	Date	5.25	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Received by (Signal	ma~	5.6	0.25	5 5	700)			AVG	Tem	p°C_	_						
	ix: S - Soil, Sd - So								ainer T															
						er arrangements are ma OC. The liability of the la								of at t	the cli	ent ex	pense	e. The	report	for the an	llysis of the	above s	amples	



ent expense. The report for the analysis of the above samples

envirotechia

envirotech Inc.

Printed: 5/6/2025 9:06:41AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Vertex Resource Services Inc.	Date Received:	05/06/25	08:00	Work Order ID:	E505047
Phone:	(575) 748-0176	Date Logged In:	05/05/25	16:11	Logged In By:	Noe Soto
Email:	cdixon@vertexresource.com	Due Date:	05/12/25	17:00 (4 day TAT)		
Chain o	f Custody (COC)					
	the sample ID match the COC?		Yes			
2. Does	the number of samples per sampling site location ma	tch the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was tl	ne COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes			
5. Were	all samples received within holding time?		Yes			
	Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi	•			Comment	ts/Resolution
Sample	Turn Around Time (TAT)	ion.				
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample						
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was tl	ne sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
	s, were custody/security seals intact?		NA NA			
-	he sample received on ice?					
12. Was t	Note: Thermal preservation is not required, if samples a	re received within	Yes			
	15 minutes of sampling					
13. See (COC for individual sample temps. Samples outside of	of 0°C-6°C will be	recorded	in comments.		
Sample	Container					
14. Are a	aqueous VOC samples present?		No			
15. Are	VOC samples collected in VOA Vials?		NA			
16. Is the	e head space less than 6-8 mm (pea sized or less)?		NA			
17. Was	a trip blank (TB) included for VOC analyses?		NA			
18. Are 1	non-VOC samples collected in the correct containers	s?	Yes			
19. Is the	appropriate volume/weight or number of sample contain	iners collected?	Yes			
Field La	<u>bel</u>					
20. Were	field sample labels filled out with the minimum infe	ormation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		No			
	Preservation	magamyad?	NI-			
	the COC or field labels indicate the samples were p	reserved?	No			
	sample(s) correctly preserved?	otala?	NA N-			
	o filtration required and/or requested for dissolved m	iciais:	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multipha		No			
27. If ye	s, does the COC specify which phase(s) is to be anal	yzed'?	NA			
Subcont	ract Laboratory					
	samples required to get sent to a subcontract laborate	•	No			
29. Was	a subcontract laboratory specified by the client and i	if so who?	NA	Subcontract Lab: NA		
Client l	nstruction					
1						

Date

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

Report to:
Chance Dixon



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Vertex Resource Services Inc.

Project Name: Jackson Disposal Lin Inc # ends

50571

Work Order: E505079

Job Number: 25013-0001

Received: 5/7/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 5/13/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 5/13/25

Chance Dixon 3101 Boyd Drive Carlsbad, NM 88220

Project Name: Jackson Disposal Lin Inc # ends 50571

Workorder: E505079

Date Received: 5/7/2025 8:00:00AM

Chance Dixon,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/7/2025 8:00:00AM, under the Project Name: Jackson Disposal Lin Inc # ends 50571.

The analytical test results summarized in this report with the Project Name: Jackson Disposal Lin Inc # ends 50571 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com



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Sample Summary

_					
Γ	Vertex Resource Services Inc.	Project Name: Jackson Disposal Lin Inc # ends 50571		Reported:	
ı	3101 Boyd Drive	Project Number:	25013-0001	Keporteu.	
	Carlsbad NM, 88220	Project Manager:	Chance Dixon	05/13/25 16:25	

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
BH25-06 at 0.5' bgs	E505079-01A Soil	05/06/25	05/07/25	Glass Jar, 4 oz.
BH25-06 at 2' bgs	E505079-02A Soil	05/06/25	05/07/25	Glass Jar, 4 oz.



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Lin Inc # ends 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	5/13/2025 4:25:14PM

BH25-06 at 0.5' bgs

E505079-01

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2519095
Benzene	ND	0.0250	1	05/08/25	05/10/25	
Ethylbenzene	ND	0.0250	1	05/08/25	05/10/25	
Toluene	ND	0.0250	1	05/08/25	05/10/25	
o-Xylene	ND	0.0250	1	05/08/25	05/10/25	
p,m-Xylene	ND	0.0500	1	05/08/25	05/10/25	
Total Xylenes	ND	0.0250	1	05/08/25	05/10/25	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	05/08/25	05/10/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	Analyst: BA		Batch: 2519095	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.7 %	70-130	05/08/25	05/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	Analyst: NV		Batch: 2519124	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/08/25	05/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/25	05/10/25	
Surrogate: n-Nonane		97.4 %	61-141	05/08/25	05/10/25	
Anions by EPA 300.0/9056A		mg/kg	Analy	st: RAS		Batch: 2519158
Chloride	ND	20.0	1	05/09/25	05/12/25	



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Lin Inc # ends 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	5/13/2025 4:25:14PM

BH25-06 at 2' bgs

E505079-02

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2519095
Benzene	ND	0.0250	1	05/08/25	05/10/25	
Ethylbenzene	ND	0.0250	1	05/08/25	05/10/25	
Toluene	ND	0.0250	1	05/08/25	05/10/25	
o-Xylene	ND	0.0250	1	05/08/25	05/10/25	
p,m-Xylene	ND	0.0500	1	05/08/25	05/10/25	
Total Xylenes	ND	0.0250	1	05/08/25	05/10/25	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	05/08/25	05/10/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2519095
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.5 %	70-130	05/08/25	05/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2519124
Diesel Range Organics (C10-C28)	ND	25.0	1	05/08/25	05/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/25	05/10/25	
Surrogate: n-Nonane		95.8 %	61-141	05/08/25	05/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2519158
Chloride	27.1	20.0	1	05/09/25	05/12/25	



QC Summary Data

Vertex Resource Services Inc.Project Name:Jackson Disposal Lin Inc # ends 50571Reported:3101 Boyd DriveProject Number:25013-0001Carlsbad NM, 88220Project Manager:Chance Dixon5/13/2025 4:25:14PM

3101 Boyd Dilve		rioject Number.		013-0001					
Carlsbad NM, 88220		Project Manager	: Cl	nance Dixon				5/	13/2025 4:25:14PM
		Volatile O	organics b	y EPA 802	1B				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2519095-BLK1)							Prepared: 0:	5/08/25 Ana	lyzed: 05/10/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.02		8.00		100	70-130			
LCS (2519095-BS1)							Prepared: 0:	5/08/25 Ana	lyzed: 05/10/25
Benzene	5.72	0.0250	5.00		114	70-130			
Ethylbenzene	5.64	0.0250	5.00		113	70-130			
Toluene	5.70	0.0250	5.00		114	70-130			
o-Xylene	5.57	0.0250	5.00		111	70-130			
p,m-Xylene	11.3	0.0500	10.0		113	70-130			
Total Xylenes	16.9	0.0250	15.0		113	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.94		8.00		99.3	70-130			
Matrix Spike (2519095-MS1)				Source: 1	E505080-0	01	Prepared: 0	5/08/25 Anal	lyzed: 05/10/25
Benzene	5.89	0.0250	5.00	ND	118	70-130			
Ethylbenzene	5.79	0.0250	5.00	ND	116	70-130			
Toluene	5.87	0.0250	5.00	ND	117	70-130			
o-Xylene	5.70	0.0250	5.00	ND	114	70-130			
p,m-Xylene	11.6	0.0500	10.0	ND	116	70-130			
Total Xylenes	17.3	0.0250	15.0	ND	116	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.26		8.00		103	70-130			
Matrix Spike Dup (2519095-MSD1)				Source: 1	E505080-0	01	Prepared: 0:	5/08/25 Ana	lyzed: 05/10/25
Benzene	5.78	0.0250	5.00	ND	116	70-130	1.93	27	
Ethylbenzene	5.67	0.0250	5.00	ND	113	70-130	2.06	26	
Toluene	5.74	0.0250	5.00	ND	115	70-130	2.11	20	
o-Xylene	5.58	0.0250	5.00	ND	112	70-130	2.21	25	
p,m-Xylene	11.4	0.0500	10.0	ND	114	70-130	2.07	23	
Total Xylenes	17.0	0.0250	15.0	ND	113	70-130	2.12	26	
			0.00		100	70.120			



70-130

Surrogate: 4-Bromochlorobenzene-PID

8.14

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Vertex Resource Services Inc.Project Name:Jackson Disposal Lin Inc # ends 50571Reported:3101 Boyd DriveProject Number:25013-0001Carlsbad NM, 88220Project Manager:Chance Dixon5/13/2025 4:25:14PM

		Analyst: BA							
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2519095-BLK1)							Prepared: 0	5/08/25 Anal	yzed: 05/10/25
	ND	20.0					Trepared. 0.	5/00/25 Allal	yzed. 03/10/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.25		8.00		90.7	70-130			
I CS (2510005 DS2)							D 1.0	5/00/05 + 1	1. 05/10/25

LCS (2519095-BS2)						Prepared: 05/08/25 Analyzed: 05/10/25
Gasoline Range Organics (C6-C10)	46.1	20.0	50.0	92.2	70-130	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00	91.9	70-130	
Matrix Spike (2519095-MS2)				Source: E505080-01		Prepared: 05/08/25 Analyzed: 05/10/25

Gasoline Range Organics (C6-C10)	46.7	20.0	50.0	ND	93.4	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.4	70-130				
Matrix Spike Dup (2519095-MSD2)				Source:	E505080-0)1	Prepared: 05	/08/25 Analy	zed: 05/10/25	
Gasoline Range Organics (C6-C10)	48.7	20.0	50.0	ND	97.4	70-130	4.12	20		

8.00

7.31

91.3

70-130

QC Summary Data

Vertex Resource Services Inc.Project Name:Jackson Disposal Lin Inc # ends 50571Reported:3101 Boyd DriveProject Number:25013-0001Carlsbad NM, 88220Project Manager:Chance Dixon5/13/2025 4:25:14PM

Carisbad NM, 88220		Project Manager	r: Cn	ance Dixon					5/13/2025 4:25:14PN
_	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2519124-BLK1)							Prepared: 0	5/08/25 A	nalyzed: 05/09/25
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	48.6		50.0		97.2	61-141			
LCS (2519124-BS1)							Prepared: 0	5/08/25 A	nalyzed: 05/09/25
Diesel Range Organics (C10-C28)	263	25.0	250		105	66-144			
urrogate: n-Nonane	48.1		50.0		96.2	61-141			
Matrix Spike (2519124-MS1)				Source:	E505077-0	03	Prepared: 0	5/08/25 A	nalyzed: 05/09/25
Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	56-156			
urrogate: n-Nonane	48.0		50.0		96.1	61-141			
Matrix Spike Dup (2519124-MSD1)				Source:	E505077-0	03	Prepared: 0	5/08/25 A	nalyzed: 05/09/25
Diesel Range Organics (C10-C28)	269	25.0	250	ND	107	56-156	0.112	20	
urrogate: n-Nonane	48.5		50.0		97.1	61-141			



Chloride

QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220		Project Name: Project Number: Project Manager	2	ackson Disposa 5013-0001 Chance Dixon	al Lin Inc	# ends 505	571		Reported: 5/13/2025 4:25:14PM
,		Anions	by EPA	300.0/9056 <i>A</i>	A				Analyst: RAS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2519158-BLK1)							Prepared: 0	5/09/25 A	nalyzed: 05/12/25
Chloride LCS (2519158-BS1)	ND	20.0					Prepared: 0	5/09/25 A	.nalyzed: 05/12/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2519158-MS1)				Source:	E505073-	03	Prepared: 0	5/09/25 A	nalyzed: 05/12/25
Chloride	259	20.0	250	ND	104	80-120			
Matrix Spike Dup (2519158-MSD1)				Source:	E505073-	03	Prepared: 0	5/09/25 A	nalyzed: 05/12/25

250

20.0

104

80-120

0.0725

20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Vertex Resource Services Inc.Project Name:Jackson Disposal Lin Inc # ends 505713101 Boyd DriveProject Number:25013-0001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon05/13/25 16:25

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Toject ii	nformatior	1					Chain of Cu	istoay											Page .
Client: V	/ertex Re	source	Group			Bill To	-	I		Lab	Use (Only		Т		TA	AT	I EPA P	rogram
Project: 、	Jackson D	Disposal	Line Inc #	# ends 50571		Jonah Energy		Lab W			Jo	b Nu	mber	1D	2D	3D	Standard	CWA	SDW
Project N	Manager: C	<u> Chance</u>	Dixon		Address:3	70 17th St				79	2	5013	$l \infty \cdot$		\dagger		X		
	3101 Bo					, Zip Denver, Co 802	<u> 202</u>			·			and Metho	od				1	RCR/
	te, Zip Ca		<u>NM 882</u>	.20		20-577-1000			\$		\Box	\Box							
<u> hone: 5</u>	75-988-1	472			Email:				3		ŀ	-				1 1		State	
	:dixon@v	ertexre	source.c	iom	125A	-02314]	٦	ء ا ۾	. o		Σ				UT AZ	TX
Report d	T							ָן <u> </u>	1	8 8	ž 5	100 t					X	$\perp \perp$	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	TPH G	8015	ВТЕХ ЬУ 8021	VOC by 8260	Metals b010 Chloride 300.0		ВСООС	верос			Remarks	
945	05.06.25	Soil	1	BH25-0	6 at 0.5' bgs		1	i i	<u> </u>	х	\perp	Х					43		
1005	05.06.25	Soil	1	BH25-	06 at 2' bgs		2	,	\setminus	x		×					4,0		
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ddition	al Instruct	ions: Dir	ect Bill t	to Jonah Ener	rgy: ATTN: Le	eigh Kollath aron Minnix (sminnix	-L				一	2!	5A - (22.	<u>ال</u> 2	1			
, (field samp	pler), attest to	the validity	and authent	ticity of this sample.	I am aware that tam	npering with or intentionally misl	labelling the sam			OIII)	- 1	nples req	uiring thermal	preserva	tion mu	st be rec	ceived on ice the day		led or
				may be grounds for l		Sampled by: Sharon N					4	Neg par	Keu in ice at ai				ess than 6 °C on subs	equent days.	
Shar	ed by: (Signa on M	innix			Mar	ed by: (Signature) vriasa Gonzales	Date 6.2	25"	15:	<u>50</u>	Re	ceive	d on ice:	_	ab Us N	e Onl	У		
•	ed by: (Signa		2s 5-	-6-25 17	30 Received	ed.by: (Signature)	Date S. 6.7		me	73 ₀	<u>T1</u>			T2			<u>T3</u>		
	ed by: (Signa		Date	4.23 Time	Yoo A	ed by: Signature)	Date 6. 7. 7.	(- Ti	me	<u>ー</u>	T _{A\}	/G Te	mp °C						
	* ·	- Solid, Sg -			400 JAC	W- U.S.	Container		<u>ب</u> ن	<u> </u>				_					



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Printed: 5/7/2025 1:22:22PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Vertex Resource Services Inc.	Date Received:	05/07/25	08:00	Work Order ID:	E505079
Phone:	(575) 748-0176	Date Logged In:	05/07/25	08:36	Logged In By:	Caitlin Mars
Email:	cdixon@vertexresource.com	Due Date:		17:00 (4 day TAT)		
	f Custody (COC)					
	the sample ID match the COC?	. 1 . 1 . 60.6	Yes			
	the number of samples per sampling site location ma	tch the COC	Yes			
	samples dropped off by client or carrier?		Yes	Carrier: Courier		
	ne COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes			
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi		Yes		<u>Comment</u>	ts/Resolution
Sample '	<u> Turn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
	he sample received on ice? Note: Thermal preservation is not required, if samples at 15 minutes of sampling		Yes			
	COC for individual sample temps. Samples outside o	of 0°C-6°C will be	recorded	in comments.		
	Container 1		3.7			
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA NA			
	e head space less than 6-8 mm (pea sized or less)?		NA NA			
	a trip blank (TB) included for VOC analyses?	0	NA			
	non-VOC samples collected in the correct containers		Yes			
	appropriate volume/weight or number of sample contai	ners collected?	Yes			
Field La		4				
	field sample labels filled out with the minimum info Sample ID?	оппаноп:	Yes			
	Date/Time Collected?		Yes			
	Collectors name?		No			
Sample :	<u>Preservation</u>					
21. Does	the COC or field labels indicate the samples were p	reserved?	No			
22. Are s	sample(s) correctly preserved?		NA			
24. Is lab	filtration required and/or requested for dissolved m	etals?	No			
Multiph	ase Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	ise?	No			
27. If yes	s, does the COC specify which phase(s) is to be anal	yzed?	NA			
Subcont	ract Laboratory					
	samples required to get sent to a subcontract laborate	ory9	No			
	a subcontract laboratory specified by the client and i	~	NA	Subcontract Lab: NA		
Client I	<u>nstruction</u>					

Date

Report to:
Chance Dixon



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





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Practical Solutions for a Better Tomorrow

Analytical Report

Vertex Resource Services Inc.

Project Name: Jackson Disposal Line 50571

Work Order: E505162

Job Number: 25013-0001

Received: 5/15/2025

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 6/5/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 6/5/25

Chance Dixon 3101 Boyd Drive Carlsbad, NM 88220

Project Name: Jackson Disposal Line 50571

Workorder: E505162

Date Received: 5/15/2025 8:00:00AM

Chance Dixon,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/15/2025 8:00:00AM, under the Project Name: Jackson Disposal Line 50571.

The analytical test results summarized in this report with the Project Name: Jackson Disposal Line 50571 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

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Sample Summary

Vertex Resource Services Inc.Project Name:Jackson Disposal Line 50571Reported:3101 Boyd DriveProject Number:25013-0001Carlsbad NM, 88220Project Manager:Chance Dixon06/05/25 12:19

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BS25-09 @ 4'	E505162-01A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
BS25-10 @ 4'	E505162-02A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
BS25-11 @ 4'	E505162-03A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
BS25-12 @ 4'	E505162-04A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
BS25-13 @ 4'	E505162-05A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
BS25-14 @ 4'	E505162-06A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
BS25-15 @ 4'	E505162-07A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
BS25-16 @ 4'	E505162-08A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
BS25-17 @ 4'	E505162-09A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
BS25-18 @ 4'	E505162-10A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
BS25-19 @ 4'	E505162-11A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
BS25-20 @ 4'	E505162-12A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
BS25-22 @ 2.5'	E505162-13A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
BS25-24 @ 2.5'	E505162-14A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
Backfill Caliche 1	E505162-15A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
Backfill Caliche 2	E505162-16A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
Backfill Topsoil 1	E505162-17A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
Backfill Topsoil 2	E505162-18A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	6/5/2025 12:19:47PM

BS25-09 @ 4'

		E505162-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2520090
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	05/15/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2520090
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.9 %	70-130	05/15/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: HM		Batch: 2520098
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/15/25	
Surrogate: n-Nonane		104 %	61-141	05/15/25	05/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2520129
Chloride	3770	40.0	2	05/16/25	05/16/25	



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	6/5/2025 12:19:47PM

BS25-10 @ 4'

		E505162-02				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2520090
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	05/15/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2520090
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.3 %	70-130	05/15/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: HM		Batch: 2520098
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/15/25	
Surrogate: n-Nonane		106 %	61-141	05/15/25	05/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2520129
Chloride	2120	40.0	2	05/16/25	05/16/25	



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	6/5/2025 12:19:47PM

BS25-11 @ 4'

E505162-03						
Reporting						
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2520090
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	05/15/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2520090
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.9 %	70-130	05/15/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: HM		Batch: 2520098
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/15/25	
Surrogate: n-Nonane		105 %	61-141	05/15/25	05/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2520129
Chloride	2560	40.0	2	05/16/25	05/16/25	



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	6/5/2025 12:19:47PM

BS25-12 @ 4'

		2000102 0.				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		st: BA	<u> </u>	Batch: 2520090
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	05/15/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2520090
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.2 %	70-130	05/15/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: HM		Batch: 2520098
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/15/25	
Surrogate: n-Nonane		104 %	61-141	05/15/25	05/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2520129
Chloride	1920	20.0	1	05/16/25	05/16/25	



Chloride

Sample Data

Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	6/5/2025 12:19:47PM

BS25-13 @ 4'

E505162-05						
Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2520090
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	05/15/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2520090
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.0 %	70-130	05/15/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: HM		Batch: 2520098
Diesel Range Organics (C10-C28)	358	25.0	1	05/15/25	05/15/25	
Oil Range Organics (C28-C36)	203	50.0	1	05/15/25	05/15/25	
Surrogate: n-Nonane		106 %	61-141	05/15/25	05/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: IY		Batch: 2520129

20.0

05/16/25

05/16/25

2200



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	6/5/2025 12:19:47PM

BS25-14 @ 4'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2520090
Benzene	ND	0.0250	1	05/15/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/15/25	
Toluene	ND	0.0250	1	05/15/25	05/15/25	
o-Xylene	ND	0.0250	1	05/15/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	05/15/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2520090
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.9 %	70-130	05/15/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: HM		Batch: 2520098
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/25	05/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/16/25	
Surrogate: n-Nonane		109 %	61-141	05/15/25	05/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: IY		Batch: 2520129
Chloride	748	20.0	1	05/16/25	05/16/25	



Chloride

Sample Data

Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	6/5/2025 12:19:47PM

BS25-15 @ 4' E505162-07

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
mg/kg	mg/kg	Analyst	: BA		Batch: 2520090	
ND	0.0250	1	05/15/25	05/16/25		
ND	0.0250	1	05/15/25	05/16/25		

05/16/25

05/16/25

Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2520090
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	05/15/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2520090
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.0 %	70-130	05/15/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: HM		Batch: 2520098
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/25	05/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/16/25	
Surrogate: n-Nonane		107 %	61-141	05/15/25	05/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2520129

40.0

4650

Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	6/5/2025 12:19:47PM

BS25-16 @ 4'

		E505162-08				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2520090
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	05/15/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2520090
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.5 %	70-130	05/15/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: HM		Batch: 2520098
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/25	05/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/16/25	
Surrogate: n-Nonane		106 %	61-141	05/15/25	05/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: IY		Batch: 2520129
Chloride	107	20.0	1	05/16/25	05/16/25	



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	6/5/2025 12:19:47PM

BS25-17 @ 4'

		E505162-09				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2520090
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
p-Xylene	ND	0.0250	1	05/15/25	05/16/25	
o,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	05/15/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2520090
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.8 %	70-130	05/15/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: HM		Batch: 2520098
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/25	05/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/16/25	
Surrogate: n-Nonane		107 %	61-141	05/15/25	05/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: IY		Batch: 2520129
Chloride	540	20.0	1	05/16/25	05/16/25	



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	6/5/2025 12:19:47PM

BS25-18 @ 4' E505162-10

		E505162-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: BA		Batch: 2520090
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	05/15/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: BA		Batch: 2520090
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.0 %	70-130	05/15/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: HM		Batch: 2520098
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/25	05/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/16/25	
Surrogate: n-Nonane		102 %	61-141	05/15/25	05/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: IY		Batch: 2520129
Chloride	435	20.0	1	05/16/25	05/16/25	



Chloride

Sample Data

Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	6/5/2025 12:19:47PM

BS25-19 @ 4'

		E505162-11				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2520090
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	05/15/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2520090
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.1 %	70-130	05/15/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: HM		Batch: 2520098
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/25	05/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/16/25	
Surrogate: n-Nonane		104 %	61-141	05/15/25	05/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2520129

20.0

161

05/16/25

05/16/25



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	6/5/2025 12:19:47PM

BS25-20 @ 4'

E505162-12						
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2520090
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	05/15/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2520090
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.6 %	70-130	05/15/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: HM		Batch: 2520098
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/25	05/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/16/25	
Surrogate: n-Nonane		103 %	61-141	05/15/25	05/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2520129
Chloride	252	20.0	1	05/16/25	05/16/25	



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	6/5/2025 12:19:47PM

BS25-22 @ 2.5'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2520090
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	05/15/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	Analyst: BA		Batch: 2520090
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		80.2 %	70-130	05/15/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: HM		Batch: 2520098
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/25	05/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/16/25	
Surrogate: n-Nonane		107 %	61-141	05/15/25	05/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2520129
Chloride	236	20.0	1	05/16/25	05/16/25	



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	6/5/2025 12:19:47PM

BS25-24 @ 2.5'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2520090
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	05/15/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2520090	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.0 %	70-130	05/15/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: HM		Batch: 2520098
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/25	05/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/16/25	
Surrogate: n-Nonane		108 %	61-141	05/15/25	05/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: IY		Batch: 2520129



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	6/5/2025 12:19:47PM

Backfill Caliche 1

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2520090
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	05/15/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2520090
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.5 %	70-130	05/15/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: HM		Batch: 2520098
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/25	05/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/16/25	
Surrogate: n-Nonane		103 %	61-141	05/15/25	05/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2520129



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	6/5/2025 12:19:47PM

Backfill Caliche 2

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2520090
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	05/15/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	Analyst: BA		Batch: 2520090
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.4 %	70-130	05/15/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: HM		Batch: 2520098
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/25	05/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/16/25	
Surrogate: n-Nonane		107 %	61-141	05/15/25	05/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2520129
Chloride	54.6	20.0	1	05/16/25	05/17/25	•



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	6/5/2025 12:19:47PM

Backfill Topsoil 1

		E505162-17				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2520090
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
o,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	05/15/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2520090
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.4 %	70-130	05/15/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: HM		Batch: 2520098
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/25	05/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/16/25	
Surrogate: n-Nonane		101 %	61-141	05/15/25	05/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2520129
Chloride	ND	20.0	1	05/16/25	05/17/25	



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	6/5/2025 12:19:47PM

Backfill Topsoil 2

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2520090
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	05/15/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2520090
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.0 %	70-130	05/15/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: HM		Batch: 2520098
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/25	05/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/16/25	
Surrogate: n-Nonane		101 %	61-141	05/15/25	05/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2520129
Chloride	ND	20.0	1	05/16/25	05/17/25	•



QC Summary Data

Vertex Resource Services Inc.Project Name:Jackson Disposal Line 50571Reported:3101 Boyd DriveProject Number:25013-0001Carlsbad NM, 88220Project Manager:Chance Dixon6/5/2025 12:19:47PM

Carlsbad NM, 88220		Project Manager:		nance Dixon				6/5	5/2025 12:19:47PM
		Volatile O	rganics b	y EPA 802	1B				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	-
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2520090-BLK1)							Prepared: 0:	5/15/25 Anal	yzed: 05/15/25
Benzene	ND	0.0250							-
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.72		8.00		96.5	70-130			
LCS (2520090-BS1)							Prepared: 0:	5/15/25 Anal	yzed: 05/15/25
Benzene	4.75	0.0250	5.00		95.1	70-130			
Ethylbenzene	4.75	0.0250	5.00		95.0	70-130			
Toluene	4.73	0.0250	5.00		94.5	70-130			
o-Xylene	4.70	0.0250	5.00		93.9	70-130			
p,m-Xylene	9.26	0.0500	10.0		92.6	70-130			
Total Xylenes	14.0	0.0250	15.0		93.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.06		8.00		101	70-130			
Matrix Spike (2520090-MS1)				Source:	E505162-	06	Prepared: 0:	5/15/25 Anal	yzed: 05/15/25
Benzene	4.81	0.0250	5.00	ND	96.3	70-130			
Ethylbenzene	4.80	0.0250	5.00	ND	96.0	70-130			
Toluene	4.78	0.0250	5.00	ND	95.7	70-130			
o-Xylene	4.75	0.0250	5.00	ND	95.0	70-130			
p,m-Xylene	9.38	0.0500	10.0	ND	93.8	70-130			
Total Xylenes	14.1	0.0250	15.0	ND	94.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.01		8.00		100	70-130			
Matrix Spike Dup (2520090-MSD1)				Source:	E505162-	06	Prepared: 0:	5/15/25 Anal	yzed: 05/15/25
Benzene	5.42	0.0250	5.00	ND	108	70-130	11.8	27	
Ethylbenzene	5.42	0.0250	5.00	ND	108	70-130	12.0	26	
Toluene	5.39	0.0250	5.00	ND	108	70-130	11.9	20	
o-Xylene	5.37	0.0250	5.00	ND	107	70-130	12.2	25	
p,m-Xylene	10.5	0.0500	10.0	ND	105	70-130	11.7	23	
Total Xylenes	15.9	0.0250	15.0	ND	106	70-130	11.9	26	

8.00

8.13

102

70-130

Surrogate: 4-Bromochlorobenzene-PID

Analyst: BA

QC Summary Data

Jackson Disposal Line 50571 Vertex Resource Services Inc. Project Name: Reported: 3101 Boyd Drive Project Number: 25013-0001 Carlsbad NM, 88220 Project Manager: Chance Dixon 6/5/2025 12:19:47PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

	Result	LIIIII	Level	Result	Rec	Limits	KPD	LIIIII	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2520090-BLK1)							Prepared: 0	5/15/25 An	alyzed: 05/15/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.43		8.00		92.9	70-130			
LCS (2520090-BS2)							Prepared: 0	5/15/25 An	alyzed: 05/15/25
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0		93.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.95		8.00		86.9	70-130			
Matrix Spike (2520090-MS2)				Source:	E505162-	06	Prepared: 0	5/15/25 An	alyzed: 05/15/25
Gasoline Range Organics (C6-C10)	51.2	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.98		8.00		87.3	70-130			
Matrix Spike Dup (2520090-MSD2)				Source:	E505162-	06	Prepared: 0	5/15/25 An	alyzed: 05/16/25
Gasoline Range Organics (C6-C10)	52.9	20.0	50.0	ND	106	70-130	3.18	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.92		8.00		86.5	70-130			



QC Summary Data

Vertex Resource Services Inc.Project Name:Jackson Disposal Line 50571Reported:3101 Boyd DriveProject Number:25013-0001Carlsbad NM, 88220Project Manager:Chance Dixon6/5/2025 12:19:47PM

Carlsbad NM, 88220		Project Manager	r: Ch	ance Dixon					6/5/2025 12:19:4/PN
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: HM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2520098-BLK1)							Prepared: 0	5/15/25 A	nalyzed: 05/15/25
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	51.8		50.0		104	61-141			
.CS (2520098-BS1)							Prepared: 0	5/15/25 A	nalyzed: 05/15/25
Diesel Range Organics (C10-C28)	271	25.0	250		109	66-144			
urrogate: n-Nonane	50.1		50.0		100	61-141			
Matrix Spike (2520098-MS1)				Source:	E505162-0	03	Prepared: 0	5/15/25 A	nalyzed: 05/15/25
Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	56-156			
urrogate: n-Nonane	52.6		50.0		105	61-141			
Matrix Spike Dup (2520098-MSD1)				Source:	E505162-0	03	Prepared: 0	5/15/25 A	nalyzed: 05/15/25
Diesel Range Organics (C10-C28)	291	25.0	250	ND	116	56-156	2.87	20	
urrogate: n-Nonane	50.8		50.0		102	61-141			

Chloride

QC Summary Data

Vertex Resource Services Inc.		Project Name: Project Number		ackson Dispos	al Line 50:	571			Reported:
3101 Boyd Drive Carlsbad NM, 88220		Project Manager		Chance Dixon					6/5/2025 12:19:47PM
		Anions	by EPA	300.0/9056 <i>E</i>	4				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2520129-BLK1)							Prepared: 0	5/16/25 Aı	nalyzed: 05/16/25
Chloride	ND	20.0							
LCS (2520129-BS1)							Prepared: 0	5/16/25 Aı	nalyzed: 05/16/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2520129-MS1)				Source:	E505162-	05	Prepared: 0	5/16/25 Aı	nalyzed: 05/16/25
Chloride	2170	20.0	250	2200	NR	80-120			M4
Matrix Spike Dup (2520129-MSD1)				Source:	E505162-	05	Prepared: 0	5/16/25 Aı	nalyzed: 05/16/25

250

20.0

96.4

80-120

11.4

2440

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	06/05/25 12:19

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Time

Sampled

9:45

9:52

Phone: 5759881472

City, State, Zip: Carlsbad, NM, 88220

Email:Cdixon@vertexresource.com

Date Sampled

5.13.25

5.13.25

No.of

Containers

1

1

Matrix

Soil

Soil

Chain of Custody

Lab Use Only

VOC by 8260

X

X

Job Number

25013:000

Analysis and Method

×

Lab WO# E505 (02

DRO/ORO by 8015 SRO/DRO by 8015

> X X

> X X

म् Lab Number

Field

TAT

1D 2D 3D Std

NN

×

Invoice Information

Address: 83 Luman rd

City, State, Zip: Pinedale, WY, 82923 Phone: 970-222-6263

Email: leighann.kollath@jonahenergy.com

Miscellaneous:

Sample ID

BS25-09 @ 4'

BS25-10 @ 4'

Sample Information

Company: Jonah Energy

State

NM CO UT TX

EPA Program

SDWA

Compliance

PWSID #

Samle Temp

CWA

RCRA

or N

Remarks

Received by OCD: 7/22/2025 6:16:26 PM

	c	T AUE 23 01 33

10:00	5.13.25	Soil	1		BS25-11 @ 4'		3		x	х	х		2.5
10:09	5.13.25	Soil	1		BS25-12 @ 4'		4		х	х	x		3.3
10:18	5.13.25	Soil	1		BS25-13 @ 4'		5		x	х	х		3.8
10:26	5.13.25	Soil	1		BS25-14 @ 4'		6		х	х	х		1.4
10:32	5.13.25	Soil	1		BS25-15 @ 4'		7		х	х	х		2.1
10:40	5.13.25	Soil	1		BS25-16 @ 2.5		8	1	х	х	х		1.8
11:00	5.13.25	Soil	1		BS25-17 @ 2.5		q		x	х	х		1.8
11:11	5.13.25	Soil	1		BS25-18 @ 2.5		10	1	x	x	x		1.4
Sampled by			authenticity	of this sample. I am awa	Time	Regulated by: (Signature	n o		time o		• 5 = 2	Time	grounds for legal action. Samples requiring thermal
M.	d by (Signatur d b) (Signatur	Gans	ales	51415 Date S.1415	10:00 Time 1700	Received by: (Signature	Le Hav	eç Z	Date	14.	25	1000 Time 1700	preservation must be received or ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.
nelinquishe	d by: (Signatu	re)		Date	Time /	Received by: (Signature	2)		Date			Time	Lab Use Only
Relinquishe	d by: (Signatu	re)		Date	Time	Received by: (Signature	e)		Date			Time	Received on ice:
	x: S - Soil, Sd - S	1 1 2										ag - amber glass, v -	
the same of the same of the					Control of the Contro	e made. Hazardous sampl he laboratory is limited to					sed of at	the client expense. Th	ne report for the analysis of the above sample

Chain of Custody

Page 2 of 2

	Clie	nt Inforn	nation		Inv	oice Information				L	ab U	se Or	nly				T	AT		Stat	e
Project N	/ertex Resou Name: Jackso	n Dispos	al Line 50		Add	ny: Jonah Energy ress: 83 Luman rd	-	E	500	160	2	Job 25	Num 013	·000	1	1D	2D	3D Std	NM x	CO UT	TX
	Manager: Ch 3101 Boyd		on			Zip: Pinedale, WY, 8 e: 970-222-6263	32923					Ana	alvsis	and	Met	hod			F	PA Progra	am
	te, Zip: Carls		88220			n.kollath@jonahene	ray co	ım.				1	117515	Turia	1	1			SDWA	CWA	RCRA
	5759881472				Miscellaneous:	n.xonatne jonanene	Sy.co	2111												381313	1
Email:Cd	ixon@vertex	resource	.com_						510	015									Complian	ce Y	or N
									by 80	by 8(120	8260	0.00	×	etals		5		PWSID #		
-			T	Sample Infor	mation		h .	1 = 6	ORO	DRO	by 80	y 82	de 3	1005	8 M		NN.	<u>×</u>	Samle Temp	Day	n a elec
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID		Field	Lab Numbe	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by	Chloride 300.0	TCEQ 1005	RCRA 8 Metals		BGDGC	BGDOC- IX	Sar	Ker	marks
11:25	5.13.25	Soil	1	,	BS25-19 @ 2.5	i e		11	X	х	x		х						3.4		
12:00	5.13.25	Soil	1		BS25-20 @ 2.5			12	X	x	x		х						2.1		
12:27	5.13.25	Soil	1		BS25-22 @ 2.5			13	X	x	x	ĺ	х						3.6		
1:07	5.13.25	Soil	1		BS25-24 @ 2.5) 1		14	X	x	х		х						3.6		= 14)
1:37	5.13.25	Soil	1		Backfill Caliche	1		15	X	х	х		х						1.4		
1:50	5.13.25	Soil	1		Backfill Caliche	2		10	X	х	х		х						3.1		
2:03	5.13.25	Soil	1		Backfill Topsoil	1		17	X	х	x		х						3.4		
2:10	5.13.25	Soil	1		Backfill Topsoil	2		18	X	х	x		х						3.3		
							177														
Addition	al Instructio	ns:																			
	oler), attest to the	validity and	authenticity	of this sample. I am awar	re that tampering with o	or intentionally mislabeling th	ie samp	le location.	date or	time o	fcolle	ction is	consid	dered f	raud a	nd ma	y be gr	rounds for leg	gal action		
Relinquit	ed by/signatur	na	ul	5/14/25	Time	Refleiged by: (Signatu	G	ingal	eg	Date 5	-14	25		Time/	00	0		pre	Samples re		
Relinquish	ed by: I gpatur	Gonz	alec	5-1425	Time 1700	Received by: (Signatu	re)	1.		Date		1.7		Time	17	00		1 22	e the day the		
Relinguah	ed by: (Signatur	-		S-14-75	7300	Received by: (%gratu	re)	In	2	Date	0.13	5.2	5	Time	$\dot{\alpha}$				bove 0 but	t less than quent day	
Relinquish	ed by: (Signatur	e)		Date	Time.	Received by: (Signatu	4	1		Date				Time						Use Only	
				_ 1	10	1														ved on ic	
Relinquish	ed by: (Signatur	e)		Date	Time	Received by: (Signatu				Date				Time					6	S) N	
	rix: 5 - Soil, 5d + So				, ii			ainer Typ													
Note: Sam	oles are discard	ed 14 days	after results	are reported unless of	other årrangements a	re made. Hazardous sam	ples wi	Il be retur	ned to	client	or dis	posed	of at	the cl	ient e	xpens	e. The	e report for	the analysis	of the abo	ve samples

is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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envirotech Inc.

Printed: 5/15/2025 9:44:17AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Phone: (753)744-0176	Client:	Vertex Resource Services Inc.	Date Received:	05/15/25	08:00	Work Order ID:	E505162
Email: effected (COC) 1. Does the sample ID match the COC? 2 3. Were samples for pandibly by client or carrier? 3. Were samples to gramples per sampling site location match the COC 3- 3. Were samples togened off by client or carrier? 5. Were all samples received within hotding time? 5. Note a lamples received within hotding time? 5. Note a lamples received within hotding time? 5. Note a lamples received within hotding time? 6. Did the COC indicate standard TAT; or Expedited TAT? 7. Was a Sample cooler received? 7. Was a sample post preserved? 7. Was a sample received in good condition? 7. Was a sample received on ice? 7. Was a sample received on ice? 7. Was a sample received on ice? 7. Was the sample received on ice? 8. A was the received on ice? 8. A was a was the received of the correct containers? 9. A was a was the received of received? 8. A was a was the received of received? 8. A was a was the received of the correct than one phase, i.e., multiphase? 8. A was supher sequined to get sent to a subcontract aborator? 8. A was supher seq	Phone:	(575) 748-0176	Date Logged In:	05/14/25	15:31	Logged In By:	Caitlin Mars
1. Does the sample ID match the COC? 2. Does the number of samples per sampling site location match the COC 3. Were analysate propoped off by client or carrier? 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 5. Were all samples necevied within holding inere? 5. Were all samples necevied within holding inere? 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample round time (TAT) 7. Bear of the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 7. Was a sample cooler received? 7. Was a sample cooler received? 8. Yes 9. Was the sample(s) received intact, i.e., not broken? 9. Was the sample(s) received intact, i.e., not broken? 9. Was the sample received intact, i.e., not broken? 10. Were custody-security seals present? 10. Were custody-security seals intact? 11. If yes, were custody-security seals intact? 12. Was the sample received on ice? 13. Sec COC for individual sample temps. Samples are received within 1 browns of sampling 13. Sec COC for individual sample temps. Samples nutside of 0°C-6°C will be recorded in comments. Sample Contains of sampling 14. Are aqueous VOC samples present? 14. Are aqueous VOC samples collected in VOC analyses? 15. Are VOC Samples collected in VOA Vals? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the currect cuntainers? 19. Is the appropriate volume-weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: Sample Dresservation 21. Does the COC or field labels indicate the samples were preserved? 22. Are sampless four correction when weight or number of sample containers collected? 23. Are sampless four execution and offer requested for dissolved metals? 24. Is lab filtration required and/or requested for dissolved metals? 25. Are sampless place accurated to get sent to a subcontract laboratory? 26. Subcontract Laboratory. 27. If yes, does the C	Email:	cdixon@vertexresource.com		05/21/25	17:00 (4 day TAT)		
1. Does the sample ID match the COC? 2. Does the number of samples per sampling site location match the COC 2. Does the number of samples per sampling site location match the COC 3. Were and Isaach sorphoped off by client or carrier? 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 5. Were all samples necevied within holding inem? 5. Were all samples necevied within holding inem? 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample round time (TAT) 7. Was a sample cooler received? 7. Was a sample cooler received? 8. Yes 8. If yes, was cooler received in good condition? 9. Was the sample (s) received intact, i.e., not broken? 10. Were custody-security seals present? 10. Were custody-security seals present? 11. If yes, were custody-security seals intact? 12. Was the sample received on ice? 13. Sec COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments. Sample Contains of sampling 13. Sec COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments. Sample Contains of sampling 14. Are aqueous VOC samples collected in the current containers? 15. Are VOC Samples collected in the current containers? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the current containers? 19. Is the appropriate volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: Sample Dresservation 21. Does the COC or field labels indicate the samples were preserved? 22. Are sampless four correctly in the containers collected? 23. Are sampless four beautiful and of the correct containers collected? 24. Is lab filtration required and/or requested for dissolved metals? 25. No. Collectors name? 26. Sample Dresservation 27. If yes, does the COC specify which plasse(s) is to be analyzed? 28. Are samples bequired to get sent to a subcontract laboratory? 29. Was a subcontract							
2. Does the number of samples per sampling sile location match the COC 3. Were samples dropped off by client or carrier? 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 5. Were all samples received within holding time? 5. Were all samples received within holding time? 5. Were all samples received within holding time? 7. Was a sample and time are not included in this discussion. 5. Sample Turn Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 7. Was a sample cooler received? 7. Was a sample cooler received? 7. Was a sample specified intact, i.e., not broken? 7. Was a sample received in good condition? 8. If yes, was cooler received in good condition? 9. Was the sample(s) received in intact, i.e., not broken? 10. Were custody/security seals present? 11. If yes, were custody/security seals intact? 12. Was the sample received on ize? 12. Was the sample received on ize? 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments. Sample Continued and the sample samples are received within 15 inimizer of sampling 15. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments. Sample Continued 16. Such hose and the samples are received within 15 inimizer of sampling 15. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments. Sample Continued 16. Such hose and the samples are received within 15 inimizer of sampling 15. See COC for individual sample temps. Sample December of the comment of the comment containers? 15. Are NOC samples collected in the correct containers? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: Sample Preservation 21. Does the COC	Chain of	Custody (COC)					
3. Were samples dropped off by client or carrier? 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 5. Were all samples received within holding time? Note: Analysis, such as pif which should be conducted in the field, i.e. [5 minute hold time, ere not included in this discussion. Sample Turn Around Time (TAT) 6. Did the COC indicate standard TAT; or Expedited TAT? Yes Sample Cooler 7. Was a sample cooler received? 8. If yes, was cooler received in good condition? 9. Was the sample (s) received intact, i.e., not broken? 10. Were custody/security seals intact? 10. Were custody/security seals intact? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? 13. Sec COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments. Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the paperpiate volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: Sample Treeservision 21. Does the COC or field labels indicate the samples were preserved? 22. Are samples) correctly preserved? 23. Less and COC or field labels indicate the samples were preserved? 24. Is lab fillrattion required and/or requested for dissolved metals? 25. Less are samples have more than one phase, i.e., multiphase? 26. Loos the sample have more than one phase, i.e., multiphase? 27. If yes, does the COC specify which phase(s) is to be analyzed? 28. Kar samples required to get sent to a subcontract laboratory? 29. Was a subcontract Laboratory specified by the client and if so who? 30. Subcontract Lab: NA				Yes			
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 5. Were all samples received within holding time? Note Analysis, and as piff which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion. Sample Turn Around Time (TXI) 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 8. If yes, was cooler received in good condition? 9. Was the sample operation in that, i.e., not broken? 10. Were custody/security seals present? 11. If yes, were custody/security seals intact? 12. Was the sample preview on ine? 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments. Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Less the collected? 20. Were field sample labels filled out with the minimum information: Sample Dressration 21. Does the COC or field labels indicate the samples were preserved? 22. Are samples, owered than one phase, i.e., multiphase? 23. Loos the COC or field labels indicate the samples were preserved? 24. Is lab filtration required and/or requested for dissolved metals? 25. Does the sample have more than one phase, i.e., multiphase? 26. Does the sample have more than one phase, i.e., multiphase? 27. If yes, does the COC specify which phase(s) is to be analyzed? 28. Are samples required to get sent to a subcontract laboratory? 28. Are samples required to get sent to a subcontract laboratory? 29. Was a subcontract Laboratory specified by the client and if so who? 29. Was a subcontract Laboratory specified by the client and if so who?	2. Does t	he number of samples per sampling site location ma	atch the COC	Yes			
5. Were all samples received within holding time? Note Analysis, such say for which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion. Samule Turn Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT? Yes Sample Cooler 7. Was a sample cooler received? 8. If yes, was cooler received in good condition? 9. Was the sample (s) received intext, i.e., not broken? 10. Were custody/security seals intact? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? Not: Thermal preservation is not required, if samples are received within 15 minutes of sampling 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments. Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples possent? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a risp blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the garporpiate volume/weight or number of sample containers collected? 19. Date? Fine Collected? 10. Sample Date? In the correct containers? 10. Date? Fine Collected? 10. Sample Date? In the correct containers? 11. If yes, does the COC or field labels indicate the samples were preserved? 12. The sample American and the sample were preserved? 13. Analyse of the correct containers and the sample were preserved? 14. If yes, does the COC specify which phase(s) is to be analyzed? 15. If yes, does the COC specify which phase(s) is to be analyzed? 16. Sample Date of the correct containers and the sample were preserved? 16. Sample Date of the correct than one phase, i.e., multiphase? 17. If yes, does the COC specify which phase(s) is to be analyzed? 18. Are samples phare more than one phase, i.e., multiphase? 19. If yes, does the COC specify which phase(s) is to be analyzed	3. Were s	amples dropped off by client or carrier?		Yes	Carrier: Courier		
Note: Analysis, such as pill which should be conducted in the field, is, 15 minute hold time, are not included in this discussion.	4. Was th	e COC complete, i.e., signatures, dates/times, reque	ested analyses?	Yes			
i.e., 1.5 minute hold time, are not included in this disucesion. Samule Tour Tour Around Time (TAT) 6. Did the COO Indicate standard TAT, or Expedited TAT? 7 Ves Sample Cooler 8. If yes, was cooler received? 8. If yes, was cooler received in good condition? 9 Ves 8. If yes, was cooler received in good condition? 9 Ves 10. Were custody/security seals intact? 10. Were custody/security seals intact? 11. If yes, were custody/security seals intact? 12. Wes te sample received on ice? 13. Sec COC for individual sample temps. Samples are received within 15 minutes of sampling 13. Sec COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments. Sample Containe 14. Are aqueous VOC samples present? 14. Are aqueous VOC samples collected in VOA Vials? 15. Is the Agree cest than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 19. Is the appenpriate volume/weight or number of sample containers collected? 19. Is the appenpriate volume/weight or number of sample containers collected? 19. Sample ID? 10. Were field sample labels filled out with the minimum information: 15. Sample ID? 10. Collectors name? 16. Occord rided labels indicate the samples were preserved? 17. Was a sample labels filled out with the minimum information: 18. Sample ID? 20. Occord rided labels indicate the samples were preserved? 21. Does the CoC or field labels indicate the samples were preserved? 22. Are sample(s) correctly preserved? 23. La sample(s) correctly preserved? 24. Is label lituation required and/or requested for dissolved metals? 25. Does the sample have more than one phase, i.e., multiphase? 26. Does the sample have more than one phase, i.e., multiphase? 27. If yes, does the COC specify which phase(s) is to be analyzed? 28. Are samples required to get sent to a subcontract laboratory? 29. Were field to a subcontract laboratory specified by the client and if so who? 29. Were field yet and the correction of t	5. Were a			Yes			
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27. If yes, does the COC specify which phase(s) is to be analyzed? NA Subcontract Laboratory 28. Are samples required to get sent to a subcontract laboratory? No 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA		<u></u>	_				
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28. Are samples required to get sent to a subcontract laboratory? No 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA	27. If yes	, does the COC specify which phase(s) is to be ana	lyzed?	NA			
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA	Subcont	ract Laboratory					
	28. Are s	amples required to get sent to a subcontract laborat	ory?	No			
Client Instruction	29. Was a	a subcontract laboratory specified by the client and	if so who?	NA	Subcontract Lab: NA		
	Client I	nstruction_					
	1						

Date

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

Chain of Custody



Page 1 of 2

Received by OCD: 7/22/2025 6:16:26 PM

		nt Inform				voice Information				L	ab Us					TA	AT		State	
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	e, Zip: Carls	bad, NM,	88220			n.kollath@jonahene	rgy.c	om										SDWA	CWA RCRA	
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		3011	1					3		X	X		X					2.5	Don Clore	
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Chain of Custody

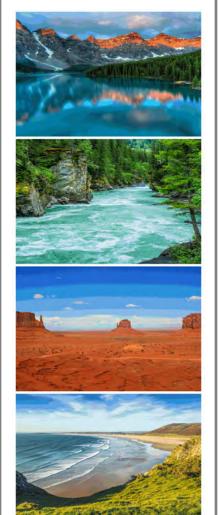


Page 2 of 2

Received by OCD: 7/22/2025 6:16:26 PM

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is applicabl	e only to those	samples rec	eived by th	e laboratory with	this (OC. The liability of the	e laboratory is limited to	the a	mount pai	d for o	n the	repor	t	W. 186 J	110 011		Pensi		epor	1011	are directly SIS	or the abou	e samples

Report to:
Chance Dixon



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Vertex Resource Services Inc.

Project Name: Jackson Disposal Line 50571

Work Order: E505179

Job Number: 25013-0001

Received: 5/16/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 5/22/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 5/22/25

Chance Dixon 3101 Boyd Drive Carlsbad, NM 88220

Project Name: Jackson Disposal Line 50571

Workorder: E505179

Date Received: 5/16/2025 8:30:22AM

Chance Dixon,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/16/2025 8:30:22AM, under the Project Name: Jackson Disposal Line 50571.

The analytical test results summarized in this report with the Project Name: Jackson Disposal Line 50571 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

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ljarboe@envirotech-inc.com

Michelle Gonzales

Client Representative Office: 505-421-LABS(5227)

311ice: 303 121 E11B5(322

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	Donoutoda
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	05/22/25 07:26

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BS25-01 @ 4'	E505179-01A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
BS25-02 @ 4'	E505179-02A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
BS25-03 @ 4'	E505179-03A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
BS25-04 @ 4'	E505179-04A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
BS25-05 @ 4'	E505179-05A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
BS25-06 @ 4'	E505179-06A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
BS25-07 @ 4'	E505179-07A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
BS25-08 @ 4'	E505179-08A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
WS25-01 @ 0-4'	E505179-09A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
WS25-03 @ 0-4'	E505179-10A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
WS25-04 @ 0-4'	E505179-11A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
WS25-05 @ 0-4'	E505179-12A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
WS25-06 @ 0-4'	E505179-13A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.

Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	5/22/2025 7:26:49AM

BS25-01 @ 4' E505179-01

		E303177-01				
Analyte	Result	Reporting Limit	Dilutior	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2520114
Benzene	ND	0.0250	1	05/16/25	05/19/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/19/25	
Toluene	ND	0.0250	1	05/16/25	05/19/25	
o-Xylene	ND	0.0250	1	05/16/25	05/19/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/19/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/19/25	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	05/16/25	05/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2520114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	05/16/25	05/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: NV		Batch: 2521012
Diesel Range Organics (C10-C28)	ND	25.0	1	05/19/25	05/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/19/25	05/19/25	
Surrogate: n-Nonane		112 %	61-141	05/19/25	05/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2521008
Chloride	1580	20.0	1	05/19/25	05/19/25	



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	5/22/2025 7:26:49AM

BS25-02 @ 4' E505179-02

	20001.7 02				
Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2520114
ND	0.0250	1	05/16/25	05/19/25	
ND	0.0250	1	05/16/25	05/19/25	
ND	0.0250	1	05/16/25	05/19/25	
ND	0.0250	1	05/16/25	05/19/25	
ND	0.0500	1	05/16/25	05/19/25	
ND	0.0250	1	05/16/25	05/19/25	
	96.7 %	70-130	05/16/25	05/19/25	
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2520114
ND	20.0	1	05/16/25	05/19/25	
	110 %	70-130	05/16/25	05/19/25	
mg/kg	mg/kg	Ana	lyst: NV		Batch: 2521012
ND	25.0	1	05/19/25	05/19/25	
ND	50.0	1	05/19/25	05/19/25	
	115 %	61-141	05/19/25	05/19/25	
mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2521008
2050	20.0	1	05/19/25	05/19/25	•
	mg/kg ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 MD 20.0 110 % mg/kg MD 25.0 ND 50.0 115 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 0.0250 1 Mg/kg mg/kg Ana ND 20.0 1 110 % 70-130 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1 115 % 61-141 61-141 mg/kg mg/kg Ana	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 05/16/25 ND 0.0250 1 05/16/25 ND 0.0250 1 05/16/25 ND 0.0500 1 05/16/25 ND 0.0250 1 05/16/25 ND 0.0250 1 05/16/25 mg/kg mg/kg Analyst: IV ND 20.0 1 05/16/25 mg/kg mg/kg Analyst: NV ND 25.0 1 05/19/25 ND 50.0 1 05/19/25 ND 50.0 1 05/19/25 ND 50.0 1 05/19/25 mg/kg mg/kg Analyst: RAS	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 05/16/25 05/19/25 ND 0.0500 1 05/16/25 05/19/25 ND 0.0250 1 05/16/25 05/19/25 mg/kg mg/kg Analyst: IY ND 20.0 1 05/16/25 05/19/25 mg/kg mg/kg Analyst: IV ND 20.0 1 05/16/25 05/19/25 mg/kg mg/kg Analyst: NV ND 25.0 1 05/19/25 05/19/25 ND 50.0 1 05/19/25 05/19/25 ND 50.0 1 05/19/25 05/19/25



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	5/22/2025 7:26:49AM

BS25-03 @ 4'

E505179-03						
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2520114
Benzene	ND	0.0250	1	05/16/25	05/19/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/19/25	
Toluene	ND	0.0250	1	05/16/25	05/19/25	
o-Xylene	ND	0.0250	1	05/16/25	05/19/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/19/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/19/25	
Surrogate: 4-Bromochlorobenzene-PID		98.3 %	70-130	05/16/25	05/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2520114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	05/16/25	05/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2521012
Diesel Range Organics (C10-C28)	ND	25.0	1	05/19/25	05/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/19/25	05/19/25	
Surrogate: n-Nonane		111 %	61-141	05/19/25	05/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2521008
Chloride	5290	40.0	2	05/19/25	05/19/25	



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	5/22/2025 7:26:49AM

BS25-04 @ 4'

		E505179-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2520114
Benzene	ND	0.0250	1	05/16/25	05/19/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/19/25	
Toluene	ND	0.0250	1	05/16/25	05/19/25	
o-Xylene	ND	0.0250	1	05/16/25	05/19/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/19/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/19/25	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	05/16/25	05/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2520114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		109 %	70-130	05/16/25	05/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2521012
Diesel Range Organics (C10-C28)	ND	25.0	1	05/19/25	05/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/19/25	05/19/25	
Surrogate: n-Nonane		115 %	61-141	05/19/25	05/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2521008
Chloride	3250	40.0	2	05/19/25	05/19/25	



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	5/22/2025 7:26:49AM

BS25-05 @ 4'

		E505179-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2520114
Benzene	ND	0.0250	1	05/16/25	05/19/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/19/25	
Toluene	ND	0.0250	1	05/16/25	05/19/25	
o-Xylene	ND	0.0250	1	05/16/25	05/19/25	
o,m-Xylene	ND	0.0500	1	05/16/25	05/19/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/19/25	
Surrogate: 4-Bromochlorobenzene-PID		98.1 %	70-130	05/16/25	05/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2520114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		109 %	70-130	05/16/25	05/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2521012
Diesel Range Organics (C10-C28)	ND	25.0	1	05/19/25	05/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/19/25	05/19/25	
Surrogate: n-Nonane		117 %	61-141	05/19/25	05/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2521008
Chloride	1530	20.0	1	05/19/25	05/19/25	



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	5/22/2025 7:26:49AM

BS25-06 @ 4'

		E505179-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2520114
Benzene	ND	0.0250	1	05/16/25	05/19/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/19/25	
Toluene	ND	0.0250	1	05/16/25	05/19/25	
o-Xylene	ND	0.0250	1	05/16/25	05/19/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/19/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/19/25	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	05/16/25	05/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2520114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		108 %	70-130	05/16/25	05/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2521012
Diesel Range Organics (C10-C28)	ND	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		117 %	61-141	05/19/25	05/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2521008
Chloride	1480	20.0	1	05/19/25	05/19/25	



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	5/22/2025 7:26:49AM

BS25-07 @ 4'

		E505179-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2520114
Benzene	ND	0.0250	1	05/16/25	05/19/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/19/25	
Toluene	ND	0.0250	1	05/16/25	05/19/25	
o-Xylene	ND	0.0250	1	05/16/25	05/19/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/19/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/19/25	
Surrogate: 4-Bromochlorobenzene-PID		97.0 %	70-130	05/16/25	05/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2520114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	05/16/25	05/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2521012
Diesel Range Organics (C10-C28)	ND	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		117 %	61-141	05/19/25	05/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2521008
Chloride	3700	40.0	2	05/19/25	05/19/25	



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	5/22/2025 7:26:49AM

BS25-08 @ 4'

		E505179-08						
Reporting								
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2520114		
Benzene	ND	0.0250	1	05/16/25	05/19/25			
Ethylbenzene	ND	0.0250	1	05/16/25	05/19/25			
Toluene	ND	0.0250	1	05/16/25	05/19/25			
o-Xylene	ND	0.0250	1	05/16/25	05/19/25			
p,m-Xylene	ND	0.0500	1	05/16/25	05/19/25			
Total Xylenes	ND	0.0250	1	05/16/25	05/19/25			
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	05/16/25	05/19/25			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2520114		
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/19/25			
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	05/16/25	05/19/25			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2521012		
Diesel Range Organics (C10-C28)	ND	25.0	1	05/19/25	05/20/25			
Oil Range Organics (C28-C36)	ND	50.0	1	05/19/25	05/20/25			
Surrogate: n-Nonane		116 %	61-141	05/19/25	05/20/25			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2521008		
Chloride	1900	20.0	1	05/19/25	05/19/25			



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	5/22/2025 7:26:49AM

WS25-01 @ 0-4'

		E505179-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2520114
Benzene	ND	0.0250	1	05/16/25	05/19/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/19/25	
Toluene	ND	0.0250	1	05/16/25	05/19/25	
o-Xylene	ND	0.0250	1	05/16/25	05/19/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/19/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/19/25	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	05/16/25	05/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2520114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	05/16/25	05/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2521012
Diesel Range Organics (C10-C28)	ND	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		113 %	61-141	05/19/25	05/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2521008
Chloride	433	20.0	1	05/19/25	05/19/25	



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	5/22/2025 7:26:49AM

WS25-03 @ 0-4'

E505179-10

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2520114
Benzene	ND	0.0250	1	05/16/25	05/19/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/19/25	
Toluene	ND	0.0250	1	05/16/25	05/19/25	
o-Xylene	ND	0.0250	1	05/16/25	05/19/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/19/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/19/25	
Surrogate: 4-Bromochlorobenzene-PID		98.7 %	70-130	05/16/25	05/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2520114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		108 %	70-130	05/16/25	05/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2521012
Diesel Range Organics (C10-C28)	33.2	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		104 %	61-141	05/19/25	05/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2521008
Chloride	190	20.0	1	05/19/25	05/19/25	



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	5/22/2025 7:26:49AM

WS25-04 @ 0-4'

E505179-11

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2520114
Benzene	ND	0.0250	1	05/16/25	05/19/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/19/25	
Toluene	ND	0.0250	1	05/16/25	05/19/25	
o-Xylene	ND	0.0250	1	05/16/25	05/19/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/19/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/19/25	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	05/16/25	05/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2520114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	05/16/25	05/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2521012
Diesel Range Organics (C10-C28)	ND	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		115 %	61-141	05/19/25	05/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2521008
Chloride	165	20.0	1	05/19/25	05/19/25	•



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	5/22/2025 7:26:49AM

WS25-05 @ 0-4'

E505179-12

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2520114
Benzene	ND	0.0250	1	05/16/25	05/19/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/19/25	
Toluene	ND	0.0250	1	05/16/25	05/19/25	
o-Xylene	ND	0.0250	1	05/16/25	05/19/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/19/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/19/25	
Surrogate: 4-Bromochlorobenzene-PID		99.0 %	70-130	05/16/25	05/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2520114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		108 %	70-130	05/16/25	05/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2521012
Diesel Range Organics (C10-C28)	ND	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		117 %	61-141	05/19/25	05/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2521008
Chloride	104	20.0	1	05/19/25	05/19/25	



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	5/22/2025 7:26:49AM

WS25-06 @ 0-4'

	-1	70	12
E50			

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2520114
Benzene	ND	0.0250	1	05/16/25	05/19/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/19/25	
Toluene	ND	0.0250	1	05/16/25	05/19/25	
o-Xylene	ND	0.0250	1	05/16/25	05/19/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/19/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/19/25	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	05/16/25	05/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2520114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	05/16/25	05/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2521012
Diesel Range Organics (C10-C28)	ND	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		113 %	61-141	05/19/25	05/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2521008
Chloride	195	20.0	1	05/19/25	05/19/25	



QC Summary Data

Vertex Resource Services Inc.Project Name:Jackson Disposal Line 50571Reported:3101 Boyd DriveProject Number:25013-0001Carlsbad NM, 88220Project Manager:Chance Dixon5/22/2025 7:26:49AM

Carlsbad NM, 88220		Project Number: Project Manager:		hance Dixon				5/2	22/2025 7:26:49AM	
<u> </u>		Volatile O	rganics b	y EPA 802	1B			Analyst: IY		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2520114-BLK1)							Prepared: 0:	5/16/25 Ana	lyzed: 05/19/25	
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
o-Xylene	ND	0.0250								
p,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: 4-Bromochlorobenzene-PID	8.16		8.00		102	70-130				
LCS (2520114-BS1)							Prepared: 0:	5/16/25 Ana	lyzed: 05/19/25	
Benzene	5.30	0.0250	5.00		106	70-130				
Ethylbenzene	5.31	0.0250	5.00		106	70-130				
Toluene	5.31	0.0250	5.00		106	70-130				
o-Xylene	5.28	0.0250	5.00		106	70-130				
p,m-Xylene	10.8	0.0500	10.0		108	70-130				
Total Xylenes	16.1	0.0250	15.0		107	70-130				
Surrogate: 4-Bromochlorobenzene-PID	7.91		8.00		98.9	70-130				
Matrix Spike (2520114-MS1)				Source:	E505174-	05	Prepared: 0	5/16/25 Anal	lyzed: 05/19/25	
Benzene	4.92	0.0250	5.00	ND	98.3	70-130				
Ethylbenzene	4.92	0.0250	5.00	ND	98.3	70-130				
Toluene	4.91	0.0250	5.00	ND	98.2	70-130				
o-Xylene	4.94	0.0250	5.00	ND	98.9	70-130				
p,m-Xylene	9.99	0.0500	10.0	0.0505	99.4	70-130				
Total Xylenes	14.9	0.0250	15.0	0.0505	99.2	70-130				
Surrogate: 4-Bromochlorobenzene-PID	8.26		8.00		103	70-130				
Matrix Spike Dup (2520114-MSD1)				Source:	E505174-	05	Prepared: 0	5/16/25 Ana	lyzed: 05/19/25	
Benzene	5.45	0.0250	5.00	ND	109	70-130	10.2	27		
Ethylbenzene	5.47	0.0250	5.00	ND	109	70-130	10.7	26		
Toluene	5.44	0.0250	5.00	ND	109	70-130	10.4	20		
o-Xylene	5.43	0.0250	5.00	ND	109	70-130	9.31	25		
p,m-Xylene	11.1	0.0500	10.0	0.0505	110	70-130	10.5	23		
Total Xylenes	16.5	0.0250	15.0	0.0505	110	70-130	10.1	26		

103

70-130



Surrogate: 4-Bromochlorobenzene-PID

8.25

Matrix Spike Dup (2520114-MSD2)

56.0

8.37

20.0

Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Vertex Resource Services Inc.Project Name:Jackson Disposal Line 50571Reported:3101 Boyd DriveProject Number:25013-0001Carlsbad NM, 88220Project Manager:Chance Dixon5/22/20257:26:49AM

Carlsbad NM, 88220		Project Manager	r: Cł	ance Dixon				5/2	22/2025 7:26:49AM
	Non	halogenated	Organics	by EPA 80	15D - Gl	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2520114-BLK1)							Prepared: 0	5/16/25 Ana	lyzed: 05/19/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.50		8.00		106	70-130			
LCS (2520114-BS2)							Prepared: 0	5/16/25 Ana	lyzed: 05/19/25
Gasoline Range Organics (C6-C10)	50.0	20.0	50.0		99.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.65		8.00		108	70-130			
Matrix Spike (2520114-MS2)				Source:	E505174-	05	Prepared: 0	5/16/25 Ana	lyzed: 05/19/25
Gasoline Range Organics (C6-C10)	58.2	20.0	50.0	ND	116	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.85		8.00		111	70-130			

50.0

8.00

Source: E505174-05

112

105

ND

Prepared: 05/16/25 Analyzed: 05/19/25

20

3.79

70-130

70-130

QC Summary Data

Vertex Resource Services Inc.Project Name:Jackson Disposal Line 50571Reported:3101 Boyd DriveProject Number:25013-0001Carlsbad NM, 88220Project Manager:Chance Dixon5/22/20257:26:49AM

Carisbad NM, 88220		Project Manager	r: Cn	ance Dixon					5/22/2025 /:26:49AN
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2521012-BLK1)							Prepared: 0	5/19/25 A1	nalyzed: 05/19/25
tiesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	65.5		50.0		131	61-141			
.CS (2521012-BS1)							Prepared: 0	5/19/25 Aı	nalyzed: 05/19/25
riesel Range Organics (C10-C28)	294	25.0	250		118	66-144			
urrogate: n-Nonane	55.2		50.0		110	61-141			
Matrix Spike (2521012-MS1)				Source:	E505179-0	01	Prepared: 0	5/19/25 Aı	nalyzed: 05/19/25
tiesel Range Organics (C10-C28)	340	25.0	250	ND	136	56-156			
urrogate: n-Nonane	62.9		50.0		126	61-141			
Matrix Spike Dup (2521012-MSD1)				Source:	E505179-0	01	Prepared: 0	5/19/25 Aı	nalyzed: 05/19/25
tiesel Range Organics (C10-C28)	311	25.0	250	ND	124	56-156	8.76	20	
urrogate: n-Nonane	56.3		50.0		113	61-141			



Matrix Spike Dup (2521008-MSD1)

Chloride

1830

QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220		Project Name: Project Number Project Manage	:	Jackson Dispos 25013-0001 Chance Dixon	al Line 503	571			Reported: 5/22/2025 7:26:49AM
		Anions	by EPA	. 300.0/9056	4				Analyst: RAS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2521008-BLK1)							Prepared: 0	5/19/25 Aı	nalyzed: 05/19/25
Chloride	ND	20.0							
LCS (2521008-BS1)							Prepared: 0	5/19/25 Aı	nalyzed: 05/19/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2521008-MS1)				Source:	E505179-	01	Prepared: 0	5/19/25 Aı	nalyzed: 05/19/25
Chloride	1810	20.0	250	1580	92.0	80-120			

250

20.0

Source: E505179-01

100

80-120

1.12

1580

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Prepared: 05/19/25 Analyzed: 05/19/25

20

Definitions and Notes

Vertex Resource Services Inc.Project Name:Jackson Disposal Line 505713101 Boyd DriveProject Number:25013-0001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon05/22/25 07:26

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Address: 3101 Boyd Dr

Phone: 5759881472

Time

Sampled

9:40

9:44

9:50

9:53

10:00

10:04

1:22

1:27

11:00

11:20

City, State, Zip: Carlsbad, NM, 88220

Email:Cdixon@vertexresource.com

Date Sampled

5.14.25

5.14.25

5.14.25

5.14.25

5.14.25

5.14.25

5.14.25

5.14.25

5.14.25

5.14.25

Additional Instructions:

No of

Containers

1

1

1

1

1

1

1

1

1

1

Matrix

Soil

Chain of Custody

Lab Use Only

VOC by 8260

Lab WO# E505179

Lab Number

2

3

0

8

9

10

GRO/DRO by 8015

X X

X X

X X

X X

X X

X X

X

X X

X X

X X

X

Job Number

25013.000

Analysis and Method

×

CEQ 1005

X

X

X

X

X

X

X

X

X

X

TAT

1D 2D 3D Std

N ×

Invoice Information

Address: 83 Luman rd

City, State, Zip: Pinedale, WY, 82923

Phone: 970-222-6263

Email: leighann.kollath@jonahenergy.com

Miscellaneous:

Sample ID

BS25-01 @ 4'

BS25-02 @ 4'

BS25-03 @ 4'

BS25-04 @ 4'

BS25-05 @ 4'

BS25-06 @ 4'

BS25-07 @ 4'

BS25-08 @ 4'

WS25-01 @ 0-4'

WS25-03 @ 0-4'

Sample Information

Company: Jonah Energy

State

NM CO UT TX

EPA Program

SDWA

Compliance

PWSID #

Samle Temp

1.6

CWA

I, (field sampler), attest to the validity and authentici	ty of this sample. I am awa	re that tampering with o	intentionally mislabeling the sample location, date of	r time of collection is cons	idered fraud and may be grou	unds for legal action.
Sampled by Riley Arnold	,					
Relinguisted in Signature	5/15/25	Time 300	Received by (Signature) Gonzalec	5-15-25	1300	Samples requiring thermal preservation must be received or
Relinquished by Signature Gonzales	J-15- 25	Time	Received by: (lignature)	5 · 15 · 25	Time /600	ice the day they are sampled or received packed on ice at a temp
Relinquished by: (Signature)	S. 15.25	215	received by: (gregature) ma	5.16.25	8.30	above 0 but less than 6°C on subsequent days.
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice:
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	9/N
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqu	ueous, 0 - Other		Container Type: g -	glass, p - poly/plastic	, ag - amber glass, v - V	OA
Note: Samples are discarded 14 days after resu	ilts are reported unless	other arrangements ar	e made. Hazardous samples will be returned to	client or disposed of a	the client evnence The	enort for the analysis of the above sample

is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

	Clie	nt Inforn	nation		Inv	oice Information				- 1	Lab U	se Or	nly				T	AT		Sta	te
Project N	ertex Resour lame: Jackso Manager: Ch	on Dispos	al Line 50		Addr	ny: Jonah Energy ess: 83 Luman rd Zip: Pinedale, WY,	82923		ab WC	51	79	Olg	Num	ber	57	1D	2D	3D Std	NM x	CO U	T TX
	3101 Boyd		711			e: 970-222-6263	02323					Ana	alysis	and	Met	thod			E	PA Progr	ram
	e, Zip: Carls		88220		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	n.kollath@jonahene	ergy.co	m					1						SDWA	CWA	RCR.
Phone: 5	5759881472				Miscellaneous:																
Email:Cd	ixon@vertex	resource	.com						3015	3015					100				Complian	ce Y	or
				Sample Info	ormation		-		- op	O by	8021	8260	300.0	5-TX	Metal		NN.	¥	PWSID #		
Time Sampled	Date Sampled	Matrix	No. of Containers	·	Sample ID		Field	Lab Numb		GRO/DRO by 8015	BTEX by 8021	VOC by 8	Chloride 300.0	TCEQ 1005	RCRA 8 Metals		BGDOC -	BGDOC-	Samle Temp	Re	emarks
11:45	5.14.25	Soil	1		WS25-04 @ 0-4	r.		11	×	(x	х		х						2.8		
12:10	5.14.25	Soil	1		WS25-05 @ 0-4	r,		12	×	(x	x		х						2.6		
1:00	5.14.25	Soil	1		WS25-06 @ 0-4	i,		13	, >	(x	х		х		I				2.4		
										T	1										
5 115										T											
										T											
										T											
Addition	al Instruction	ns:									-									1	
	iler), attest to the	validity and	authenticity	of this sample. I am aw	are that tampering with or	rintentionally mislabeling t	he samp	le locatio	n, date	or time	of calle	ection is	consid	dered f	fraud a	nd may	y be gr	ounds for leg	al action.		
Sampled by: Relinquish	ed by Spatus	110	111	Date // S/	1300	Received by: (Signate	ure)		n	Dat	-15	-7	<	Time.	13	00			Samples re		
Relinquishe	ed by: (signatur	ph ph		3-12-72	Time	Received by: (signate	ure) 1	ong	yes	LJat.	. 15			Time		$ \frac{1}{2} $	1	ice	servation rethe day th	ney are sa	ampled o
Relinguish	d by: (Signatur	e) ony	ny	Date S · 15 · 29	Time	ce)ved by: (Signato	ure)	10x		Date	5.16	0.2	5	Time	3	12.	_	1	eived pack bove 0 bu	t less tha	n 6°C on
Relinquishe	ed by: (Signatur	a)		Date	Time	Received by: (Signate	ire	(w		Date				Time		_				quent da Use Onl	-
	- 01. (DiBuntur					The state of the s														ved on i	
Relinquishe	ed by: (Signatur	e)		Date	Time	Received by: (Signati	ure)			Date	2			Time						N	

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples

is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Page 24 of 25

envirotech Inc.

Printed: 5/16/2025 1:38:45PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Vertex Resource Services Inc.	Date Received:	05/16/25	08:30	Work Order ID:	E505179
Phone:	(575) 748-0176	Date Logged In:	05/15/25	15:02	Logged In By:	Caitlin Mars
Email:	cdixon@vertexresource.com	Due Date:	05/22/25	17:00 (4 day TAT)	•	
Chain of	Custody (COC)					
1. Does th	he sample ID match the COC?		Yes			
2. Does th	he number of samples per sampling site location ma	atch the COC	Yes			
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: Cour	<u>rier</u>	
4. Was the	e COC complete, i.e., signatures, dates/times, reque	ested analyses?	Yes			
5. Were a	ll samples received within holding time?		Yes			
	Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucss	•			<u>Comment</u>	ts/Resolution
Sample T	<u>[urn Around Time (TAT)</u>					
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (<u>Cooler</u>					
7. Was a s	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was the	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes	, were custody/security seals intact?		NA			
12. Was th	e sample received on ice?		Yes			
	Note: Thermal preservation is not required, if samples a	re received within	105			
	15 minutes of sampling					
13. See C	OC for individual sample temps. Samples outside	of 0°C-6°C will be	recorded	in comments.		
	Container_					
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
18. Are n	on-VOC samples collected in the correct container	s?	Yes			
19. Is the	appropriate volume/weight or number of sample conta	iners collected?	Yes			
Field Lab						
	field sample labels filled out with the minimum int	formation:	**			
	ample ID? Date/Time Collected?		Yes			
	follectors name?		Yes Yes			
	Preservation		103			
	the COC or field labels indicate the samples were	oreserved?	No			
	ample(s) correctly preserved?		NA			
	filtration required and/or requested for dissolved n	netals?	No			
Multinha	ase Sample Matrix					
	the sample have more than one phase, i.e., multiph	ase?	No			
	, does the COC specify which phase(s) is to be ana		NA			
-		lyzed.	INA			
	act Laboratory		3.7			
	amples required to get sent to a subcontract laborat	-	No			
29. Was a	subcontract laboratory specified by the client and	if so who?	NA	Subcontract Lab: N	IA	
Client Ir	<u>nstruction</u>					

Date

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

Report to:
Chance Dixon



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Vertex Resource Services Inc.

Project Name: Jackson Disposal Line 50571

Work Order: E505198

Job Number: 25013-0001

Received: 5/19/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 5/23/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 5/23/25

Chance Dixon 3101 Boyd Drive Carlsbad, NM 88220

Project Name: Jackson Disposal Line 50571

Workorder: E505198

Date Received: 5/19/2025 7:30:17AM

Chance Dixon,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/19/2025 7:30:17AM, under the Project Name: Jackson Disposal Line 50571.

The analytical test results summarized in this report with the Project Name: Jackson Disposal Line 50571 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

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whinchman@envirotech-inc.com

Raina Schwanz

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	Donoutoda
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	05/23/25 10:51

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
WS25-08 @ 0-2.5'	E505198-01A Soil	05/15/25	05/19/25	Glass Jar, 2 oz.
WS25-09 @ 0-2.5'	E505198-02A Soil	05/15/25	05/19/25	Glass Jar, 2 oz.
BS25-21 @ 2.5'	E505198-03A Soil	05/15/25	05/19/25	Glass Jar, 2 oz.
BS25-23 @ 2.5'	E505198-04A Soil	05/15/25	05/19/25	Glass Jar, 2 oz.
BS25-25 @ 2.5'	E505198-05A Soil	05/15/25	05/19/25	Glass Jar, 2 oz.
BS25-26 @ 2.5'	E505198-06A Soil	05/15/25	05/19/25	Glass Jar, 2 oz.
BS25-27 @ 2.5'	E505198-07A Soil	05/15/25	05/19/25	Glass Jar, 2 oz.

Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	5/23/2025 10:51:25AM

WS25-08 @ 0-2.5'

E505198-01

		E202139-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
,					,	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2521005
Benzene	ND	0.0250	1	05/19/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/19/25	05/20/25	
Toluene	ND	0.0250	1	05/19/25	05/20/25	
o-Xylene	ND	0.0250	1	05/19/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/19/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/19/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		93.5 %	70-130	05/19/25	05/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2521005
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.2 %	70-130	05/19/25	05/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: HM		Batch: 2521034
Diesel Range Organics (C10-C28)	ND	25.0	1	05/20/25	05/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/20/25	05/21/25	
Surrogate: n-Nonane		104 %	61-141	05/20/25	05/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2521017
Chloride	308	20.0	1	05/19/25	05/20/25	



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	5/23/2025 10:51:25AM

WS25-09 @ 0-2.5'

E505198-02

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2521005
Benzene	ND	0.0250	1	05/19/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/19/25	05/20/25	
Toluene	ND	0.0250	1	05/19/25	05/20/25	
o-Xylene	ND	0.0250	1	05/19/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/19/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/19/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		93.0 %	70-130	05/19/25	05/20/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	Ana	Analyst: BA		Batch: 2521005
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.8 %	70-130	05/19/25	05/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	Analyst: HM			Batch: 2521034
Diesel Range Organics (C10-C28)	ND	25.0	1	05/20/25	05/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/20/25	05/21/25	
Surrogate: n-Nonane		108 %	61-141	05/20/25	05/21/25	
Anions by EPA 300.0/9056A			Analyst: RAS			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2521017



Sample Data

Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	5/23/2025 10:51:25AM

BS25-21 @ 2.5'

		E505198-03				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2521005
Benzene	ND	0.0250	1	05/19/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/19/25	05/20/25	
Toluene	ND	0.0250	1	05/19/25	05/20/25	
o-Xylene	ND	0.0250	1	05/19/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/19/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/19/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		91.9 %	70-130	05/19/25	05/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2521005
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.2 %	70-130	05/19/25	05/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: HM		Batch: 2521034
Diesel Range Organics (C10-C28)	ND	25.0	1	05/20/25	05/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/20/25	05/21/25	
Surrogate: n-Nonane		106 %	61-141	05/20/25	05/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2521017
Chloride	239	20.0	1	05/19/25	05/22/25	



Oil Range Organics (C28-C36)

Anions by EPA 300.0/9056A

Surrogate: n-Nonane

Chloride

Sample Data

Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	5/23/2025 10:51:25AM

BS25-23 @ 2.5' E505198-04

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2521005
Benzene	ND	0.0250	1	05/19/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/19/25	05/20/25	
Toluene	ND	0.0250	1	05/19/25	05/20/25	
o-Xylene	ND	0.0250	1	05/19/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/19/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/19/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		90.2 %	70-130	05/19/25	05/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2521005
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %	70-130	05/19/25	05/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: HM		Batch: 2521034
Diesel Range Organics (C10-C28)	98.9	25.0	1	05/20/25	05/21/25	

50.0

20.0

112 %

211

mg/kg

232

05/20/25

05/20/25

05/19/25

1

1

Analyst: RAS

61-141

05/21/25

05/21/25

05/22/25

Batch: 2521017

Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	5/23/2025 10:51:25AM

BS25-25 @ 2.5'

E505198-05

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: BA		Batch: 2521005
Benzene	ND	0.0250	1	05/19/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/19/25	05/20/25	
Toluene	ND	0.0250	1	05/19/25	05/20/25	
o-Xylene	ND	0.0250	1	05/19/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/19/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/19/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		94.6 %	70-130	05/19/25	05/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2521005
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.2 %	70-130	05/19/25	05/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: HM		Batch: 2521034
Diesel Range Organics (C10-C28)	ND	25.0	1	05/20/25	05/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/20/25	05/21/25	
Surrogate: n-Nonane		103 %	61-141	05/20/25	05/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2521017
Chloride	245	20.0	1	05/19/25	05/22/25	•



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	5/23/2025 10:51:25AM

BS25-26 @ 2.5'

E505198-06

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2521005
Benzene	ND	0.0250	1	05/19/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/19/25	05/20/25	
Toluene	ND	0.0250	1	05/19/25	05/20/25	
o-Xylene	ND	0.0250	1	05/19/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/19/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/19/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		93.2 %	70-130	05/19/25	05/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2521005
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.1 %	70-130	05/19/25	05/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: HM		Batch: 2521034
Diesel Range Organics (C10-C28)	105	25.0	1	05/20/25	05/21/25	
Oil Range Organics (C28-C36)	230	50.0	1	05/20/25	05/21/25	
Surrogate: n-Nonane		105 %	61-141	05/20/25	05/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: RAS		Batch: 2521017
	234	20.0		05/19/25	05/22/25	



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	5/23/2025 10:51:25AM

BS25-27 @ 2.5'

E505198-07

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2521005
Benzene	ND	0.0250	1	05/19/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/19/25	05/20/25	
Toluene	ND	0.0250	1	05/19/25	05/20/25	
o-Xylene	ND	0.0250	1	05/19/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/19/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/19/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		94.4 %	70-130	05/19/25	05/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2521005
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	05/19/25	05/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: HM		Batch: 2521034
Diesel Range Organics (C10-C28)	ND	25.0	1	05/20/25	05/21/25	
Oil Range Organics (C28-C36)	62.0	50.0	1	05/20/25	05/21/25	
Surrogate: n-Nonane		107 %	61-141	05/20/25	05/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2521017
Chloride	236	20.0	1	05/19/25	05/22/25	



Vertex Resource Services Inc.Project Name:Jackson Disposal Line 50571Reported:3101 Boyd DriveProject Number:25013-0001Carlsbad NM, 88220Project Manager:Chance Dixon5/23/2025 10:51:25AM

3101 Boyd Dilve		rioject Nulliber.		013-0001					
Carlsbad NM, 88220		Project Manager	: Cl	nance Dixon				5/2	3/2025 10:51:25AN
		Volatile O	Organics b	y EPA 802	1B				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2521005-BLK1)							Prepared: 0:	5/19/25 Anal	lyzed: 05/20/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.11		8.00		88.8	70-130			
LCS (2521005-BS1)							Prepared: 0:	5/19/25 Anal	lyzed: 05/20/25
Benzene	5.72	0.0250	5.00		114	70-130			
Ethylbenzene	5.58	0.0250	5.00		112	70-130			
Toluene	5.67	0.0250	5.00		113	70-130			
o-Xylene	5.42	0.0250	5.00		108	70-130			
o,m-Xylene	11.2	0.0500	10.0		112	70-130			
Total Xylenes	16.6	0.0250	15.0		111	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.29		8.00		91.1	70-130			
Matrix Spike (2521005-MS1)				Source: 1	E505198-	05	Prepared: 0	5/19/25 Anal	lyzed: 05/20/25
Benzene	5.47	0.0250	5.00	ND	109	70-130			
Ethylbenzene	5.35	0.0250	5.00	ND	107	70-130			
Toluene	5.42	0.0250	5.00	ND	108	70-130			
p-Xylene	5.20	0.0250	5.00	ND	104	70-130			
p,m-Xylene	10.8	0.0500	10.0	ND	108	70-130			
Total Xylenes	16.0	0.0250	15.0	ND	106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.44		8.00		92.9	70-130			
Matrix Spike Dup (2521005-MSD1)				Source: 1	E505198-	05	Prepared: 0:	5/19/25 Anal	yzed: 05/20/25
Benzene	5.37	0.0250	5.00	ND	107	70-130	1.87	27	
Ethylbenzene	5.25	0.0250	5.00	ND	105	70-130	1.87	26	
Toluene	5.32	0.0250	5.00	ND	106	70-130	1.94	20	
o-Xylene	5.10	0.0250	5.00	ND	102	70-130	2.00	25	
p,m-Xylene	10.6	0.0500	10.0	ND	106	70-130	1.95	23	
Total Xylenes	15.7	0.0250	15.0	ND	104	70-130	1.97	26	

92.5

70-130



Surrogate: 4-Bromochlorobenzene-PID

7.40

Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Vertex Resource Services Inc.Project Name:Jackson Disposal Line 50571Reported:3101 Boyd DriveProject Number:25013-0001Carlsbad NM, 88220Project Manager:Chance Dixon5/23/2025 10:51:25AM

Carlsbad NM, 88220		Project Manager	r: Ch	ance Dixon				5/2	23/2025 10:51:25A
	Non	halogenated	Organics l	y EPA 801	15D - GI	RO			Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2521005-BLK1)							Prepared: 0:	5/19/25 Ana	lyzed: 05/20/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		8.00		93.3	70-130			
LCS (2521005-BS2)							Prepared: 0:	5/19/25 Ana	lyzed: 05/20/25
Gasoline Range Organics (C6-C10)	42.9	20.0				70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.48		8.00		93.5	70-130			
Matrix Spike (2521005-MS2)				Source:	E505198-0	05	Prepared: 0	5/19/25 Ana	lyzed: 05/20/25
Gasoline Range Organics (C6-C10)	46.4	20.0		ND		70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.7	70-130			
Matrix Spike Dup (2521005-MSD2)				Source:	E505198-0	05	Prepared: 0:	5/19/25 Ana	lyzed: 05/20/25

8.00

ND

6.34

20

70-130

70-130

95.6

49.4

7.65

20.0



QC Summary Data

Jackson Disposal Line 50571 Vertex Resource Services Inc. Project Name: Reported: 3101 Boyd Drive Project Number: 25013-0001 Carlsbad NM, 88220 Chance Dixon 5/23/2025 10:51:25AM Project Manager:

Carisbad NM, 88220		Project Manage	r: Cr	iance Dixon					5/23/2025 10:51:25A
	Nonha	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO			Analyst: HM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2521034-BLK1)							Prepared: 0	5/20/25 Ar	nalyzed: 05/21/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	59.2		50.0		118	61-141			
LCS (2521034-BS1)							Prepared: 0	5/20/25 Ar	nalyzed: 05/21/25
Diesel Range Organics (C10-C28)	307	25.0	250		123	66-144			
Surrogate: n-Nonane	54.8		50.0		110	61-141			
Matrix Spike (2521034-MS1)				Source:	E505198-	03	Prepared: 0	5/20/25 Ar	nalyzed: 05/21/25
Diesel Range Organics (C10-C28)	306	25.0	250	ND	123	56-156			
Surrogate: n-Nonane	53.8		50.0		108	61-141			
Matrix Spike Dup (2521034-MSD1)				Source:	E505198-	03	Prepared: 0	5/20/25 Ar	nalyzed: 05/21/25
Diesel Range Organics (C10-C28)	312	25.0	250	ND	125	56-156	1.92	20	
Surrogate: n-Nonane	54.7		50.0		109	61-141			

Matrix Spike Dup (2521017-MSD1)

Chloride

3640

40.0

QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220		Project Name: Project Number: Project Manager	:	Jackson Dispos 25013-0001 Chance Dixon	al Line 50	571		5/	Reported: /23/2025 10:51:25AM
		Anions	by EPA	300.0/9056	A				Analyst: DT
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2521017-BLK1)							Prepared: 0	5/19/25 Ana	alyzed: 05/19/25
Chloride	ND	20.0							
LCS (2521017-BS1)							Prepared: 0	5/19/25 Ana	alyzed: 05/19/25
Chloride	264	20.0	250		106	90-110			
Matrix Spike (2521017-MS1)				Source:	E505196-	03	Prepared: 0	5/19/25 Ana	alyzed: 05/19/25
Chloride	3860	40.0	250	3700	67.3	80-120			M4

250

Source: E505196-03

NR

80-120

5.97

3700

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Prepared: 05/19/25 Analyzed: 05/19/25

20

M4

Definitions and Notes

Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	05/23/25 10:51

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Chain of Custody

Received by OCD: 7/22/2025 6:16:26 PM

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	Clie	nt Inform	nation		Inv	oice Information				L	ab U	se Or	nly				T	AT		Stat	e
Client: V	ertex Resour	ce (Bill to	Jonah E	nergy)	Compa	iny: Jonah Energy		Lab	WO	#		Job	Num	ber		1D	2D	3D Std	NM	CO UT	TX
Project N	ame: Jackso	n Dispos	al Line 50	571	Addi	ress: 83 Luman rd		F	505	510	X	25	013	00	10			X	×		
Project N	lanager: Cha	ance Dixo	n		City, State,	Zip: Pinedale, WY, 8	32923	-		-	-										
Address:	3101 Boyd	Dr			Phon	e: 970-222-6263						Ana	lysis	and	Met	hod			E	A Progra	am
	e, Zip: Carlsl	bad, NM,	88220		Email: leighan	n.kollath@jonahene	rgy.com												SDWA	CWA	RCRA
Phone: 5	759881472				Miscellaneous:																
Email:Cdi	xon@vertex	resource	.com						115	315			19						Complian	ce Y	or N
									by 8015	oy 8(21	8	0.00	×	tals				PWSID #		
				Sample Info	ormation				80	RO	y 80	826	e 30	500	Me		N.	X	e de		
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID		Field	Lab lumber	DRO/ORO	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC	Samle Temp	Ren	narks
	5.15.25	Soil	1		₩\$25 02 @ 0	4	CW	+	X	х	x		х								
	5.15.25	Soil	1		TN632 03 @05	-5h			1	х	x		х		-						
	5.15.25	Soil	1		WS25-08 @ 0-2	.5'		1		х	х		х						3.6		
	5.15.25	Soil	1		WS25-09 @ 0-2	.5'		2	1	x	x		х						3.7		
	5.15.25	Soil	1		BS25-21 @ 2.5	51		3	T	х	x	F	х						3.1		
	5.15.25	Soil	1		BS25-23 @ 2.5	;'		4	T	х	x		x						28		
	5.15.25	Soil	1		BS25-25 @ 2.5			5	1	х	x		х						3.4		
	5.15.25	Soil	1		BS25-26 @ 2.5)'		6	1	x	x		х						3.3		
	5.15.25	Soil	1		BS25-27 @ 2.5	j'		7	1	х	x		x						3.0		
		1	-					-			-								0.0		
Addition	al Instruction	ns:							<u>.</u>												
		validity and	authenticity	of this sample. I am aw	are that tampering with o	or intentionally mislabeling th	ne sample	ocation,	date or	time o	fcolle	ction is	consid	lered f	raud a	nd ma	y be gr	ounds for leg	al action.		
Relinquiste		al -	-	Date 2	The	Danking I by & I Cinates				Data				Time	_	_			Samples re	auiring th	armal
Kelinguishe	14/1	10	1	5/16/25	1100	Received by (Signatu	170	nea	ec	5	-11	2.2	5	iime	110	GC			servation r	,	
Relinquishe	d la Chatura	50	0		Times	Received in Signatu	All	0		Date		0	_	Time				4	the day th		
Anti	conce (Lous	res	J-17-25	3230	1. Illa	Ma	w	_	5	110	9:2	5	_	72	50			eived pack		
Relinquishe	d by: (Signature	e)		Date	Time	Received by: (Signatu	ire)			Date		1		Time	1-			-	bove 0 but	less than	6°C on
Relinquishe	d by: (Signature	≥)		Date	Time	Received by: (Signatu	ire)			Date				Time					Lab	quent day Use Only	
Relinquishe	d by: (Signature	2)		Date	Time	Received by: (Signatu	ire)	-		Date				Time		-				ved on ic	e:
Sample Matr	x: S - Soil, Sd - So	lid. Sg - Sludi	ge. A - Aqued	ous. O - Other	1		Contai	ner Typ	e: g -	glass.	p - p	oly/pl	astic.	ag - a	mbe	r glas	S, V -	VOA			

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples

is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Printed: 5/19/2025 10:15:43AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Vertex Resource Services Inc.	Date Received:	05/19/25 07:30		Work Order ID	: E505198
Phone:	(575) 748-0176	Date Logged In:	05/16/25 16:06		Logged In By:	Caitlin Mars
Email:	cdixon@vertexresource.com	Due Date:	05/23/25 17:00 (4 day TAT)		
Chain of	Custody (COC)					
1. Does th	ne sample ID match the COC?		Yes			
2. Does th	ne number of samples per sampling site location ma	tch the COC	Yes			
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: C	Courier	
4. Was the	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	No			
5. Were a	ll samples received within holding time?		Yes			
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•			Comme	ents/Resolution
Sample T	Turn Around Time (TAT)					
	e COC indicate standard TAT, or Expedited TAT?		Yes		Time sampled not pro	vided on COC.
Sample C	<u>Cooler</u>					
7. Was a s	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was the	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes.	, were custody/security seals intact?		NA			
_	e sample received on ice?		Yes			
	Note: Thermal preservation is not required, if samples ar	e received within	103			
	15 minutes of sampling					
13. See C	OC for individual sample temps. Samples outside o	f 0°C-6°C will be	recorded in con	nments.		
Sample C	<u>Container</u>					
14. Are a	queous VOC samples present?		No			
15. Are V	OC samples collected in VOA Vials?		NA			
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA			
17. Was a	trip blank (TB) included for VOC analyses?		NA			
18. Are n	on-VOC samples collected in the correct containers	?	Yes			
19. Is the	appropriate volume/weight or number of sample contain	ners collected?	Yes			
Field Lal	<u>oel</u>					
20. Were	field sample labels filled out with the minimum info	ormation:				
	ample ID?		Yes			
	ate/Time Collected?		No	'		
	ollectors name?		No			
	<u>Preservation</u> the COC or field labels indicate the samples were p	magamyad?	NI-			
		reserved?	No NA			
	ample(s) correctly preserved? filtration required and/or requested for dissolved m	atolo?	NA Na			
	1	ctais:	No			
	se Sample Matrix	0				
	the sample have more than one phase, i.e., multipha		No			
27. If yes	, does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcontr	act Laboratory					
	amples required to get sent to a subcontract laborato	-	No			
29. Was a	subcontract laboratory specified by the client and i	f so who?	NA Subc	ontract Lab	o: NA	
Client Ir	<u>istruction</u>					
						0

Date

Report to:
Chance Dixon



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Vertex Resource Services Inc.

Project Name: Jackson Disposal Line 50571

Work Order: E505234

Job Number: 25013-0001

Received: 5/21/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 5/28/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 5/28/25

Chance Dixon 3101 Boyd Drive Carlsbad, NM 88220

Project Name: Jackson Disposal Line 50571

Workorder: E505234

Date Received: 5/21/2025 8:00:00AM

Chance Dixon,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/21/2025 8:00:00AM, under the Project Name: Jackson Disposal Line 50571.

The analytical test results summarized in this report with the Project Name: Jackson Disposal Line 50571 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

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Sample Summary

Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	Danautada
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	05/28/25 10:12

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
WS25-02 0-4'	E505234-01A Soil	05/19/25	05/21/25	Glass Jar, 4 oz.
WS25-07 0-4'	E505234-02A Soil	05/19/25	05/21/25	Glass Jar, 4 oz.
WS25-10 0-4'	E505234-03A Soil	05/19/25	05/21/25	Glass Jar, 4 oz.
WS25-11 2.5-4'	E505234-04A Soil	05/19/25	05/21/25	Glass Jar, 4 oz.



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	5/28/2025 10:12:18AM

WS25-02 0-4' E505234-01

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2521088
Benzene	ND	0.0250	1	05/21/25	05/23/25	
Ethylbenzene	ND	0.0250	1	05/21/25	05/23/25	
Toluene	ND	0.0250	1	05/21/25	05/23/25	
o-Xylene	ND	0.0250	1	05/21/25	05/23/25	
p,m-Xylene	ND	0.0500	1	05/21/25	05/23/25	
Total Xylenes	ND	0.0250	1	05/21/25	05/23/25	
Surrogate: 4-Bromochlorobenzene-PID		109 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: BA		Batch: 2521088
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/21/25	05/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2521077
Diesel Range Organics (C10-C28)	ND	25.0	1	05/21/25	05/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/21/25	05/27/25	
Surrogate: n-Nonane		108 %	61-141	05/21/25	05/27/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2521134
Chloride	149	20.0	1	05/23/25	05/23/25	



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	5/28/2025 10:12:18AM

WS25-07 0-4'

		E505234-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	yst: BA		Batch: 2521088
Benzene	ND	0.0250	1	05/21/25	05/23/25	
Ethylbenzene	ND	0.0250	1	05/21/25	05/23/25	
Toluene	ND	0.0250	1	05/21/25	05/23/25	
o-Xylene	ND	0.0250	1	05/21/25	05/23/25	
o,m-Xylene	ND	0.0500	1	05/21/25	05/23/25	
Total Xylenes	ND	0.0250	1	05/21/25	05/23/25	
Surrogate: 4-Bromochlorobenzene-PID		109 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2521088
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/21/25	05/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	yst: NV		Batch: 2521077
Diesel Range Organics (C10-C28)	ND	25.0	1	05/21/25	05/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/21/25	05/27/25	
Surrogate: n-Nonane		116 %	61-141	05/21/25	05/27/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	yst: DT		Batch: 2521134
Chloride	83.0	20.0	1	05/23/25	05/23/25	



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	5/28/2025 10:12:18AM

WS25-10 0-4'

		E505234-03				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2521088
Benzene	ND	0.0250	1	05/21/25	05/23/25	
Ethylbenzene	ND	0.0250	1	05/21/25	05/23/25	
Toluene	ND	0.0250	1	05/21/25	05/23/25	
o-Xylene	ND	0.0250	1	05/21/25	05/23/25	
p,m-Xylene	ND	0.0500	1	05/21/25	05/23/25	
Total Xylenes	ND	0.0250	1	05/21/25	05/23/25	
Surrogate: 4-Bromochlorobenzene-PID		110 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2521088
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/21/25	05/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2521077
Diesel Range Organics (C10-C28)	ND	25.0	1	05/21/25	05/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/21/25	05/27/25	
Surrogate: n-Nonane		115 %	61-141	05/21/25	05/27/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2521134
Chloride	73.3	20.0	1	05/23/25	05/23/25	



Vertex Resource Services Inc.	Project Name:	Jackson Disposal Line 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	5/28/2025 10:12:18AM

WS25-11 2.5-4'

E505234-04

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2521088
Benzene	ND	0.0250	1	05/21/25	05/23/25	
Ethylbenzene	ND	0.0250	1	05/21/25	05/23/25	
Toluene	ND	0.0250	1	05/21/25	05/23/25	
o-Xylene	ND	0.0250	1	05/21/25	05/23/25	
p,m-Xylene	ND	0.0500	1	05/21/25	05/23/25	
Total Xylenes	ND	0.0250	1	05/21/25	05/23/25	
Surrogate: 4-Bromochlorobenzene-PID		109 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	Analyst: BA		Batch: 2521088
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/21/25	05/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2521077
Diesel Range Organics (C10-C28)	ND	25.0	1	05/21/25	05/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/21/25	05/27/25	
Surrogate: n-Nonane		111 %	61-141	05/21/25	05/27/25	
A . I EDA 200 0/005CA	mg/kg	mg/kg	Anal	yst: DT		Batch: 2521134
Anions by EPA 300.0/9056A	<u> </u>					



Vertex Resource Services Inc.Project Name:Jackson Disposal Line 50571Reported:3101 Boyd DriveProject Number:25013-0001Carlsbad NM, 88220Project Manager:Chance Dixon5/28/2025 10:12:18AM

Carlsbad NM, 88220		Project Manager	: Cł	nance Dixon				5/2	28/2025 10:12:18AM		
		Volatile C	rganics b	y EPA 802	21B		Analyst: BA				
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2521088-BLK1)							Prepared: 0:	5/21/25 Ana	lyzed: 05/23/25		
Benzene	ND	0.0250									
Ethylbenzene	ND	0.0250									
Toluene	ND	0.0250									
o-Xylene	ND	0.0250									
p,m-Xylene	ND	0.0500									
Total Xylenes	ND	0.0250									
Surrogate: 4-Bromochlorobenzene-PID	8.35		8.00		104	70-130					
LCS (2521088-BS1)							Prepared: 0	5/21/25 Ana	lyzed: 05/23/25		
Benzene	4.81	0.0250	5.00		96.3	70-130					
Ethylbenzene	4.76	0.0250	5.00		95.2	70-130					
Toluene	4.81	0.0250	5.00		96.2	70-130					
o-Xylene	4.68	0.0250	5.00		93.7	70-130					
p,m-Xylene	9.59	0.0500	10.0		95.9	70-130					
Total Xylenes	14.3	0.0250	15.0		95.2	70-130					
Surrogate: 4-Bromochlorobenzene-PID	8.65		8.00		108	70-130					
Matrix Spike (2521088-MS1)				Source:	E505233-	06	Prepared: 0	5/21/25 Ana	lyzed: 05/23/25		
Benzene	5.32	0.0250	5.00	ND	106	70-130					
Ethylbenzene	5.23	0.0250	5.00	ND	105	70-130					
Toluene	5.30	0.0250	5.00	ND	106	70-130					
o-Xylene	5.16	0.0250	5.00	ND	103	70-130					
p,m-Xylene	10.5	0.0500	10.0	ND	105	70-130					
Total Xylenes	15.7	0.0250	15.0	ND	104	70-130					
Surrogate: 4-Bromochlorobenzene-PID	8.62		8.00		108	70-130					
Matrix Spike Dup (2521088-MSD1)				Source:	E505233-	06	Prepared: 0	5/21/25 Ana	lyzed: 05/23/25		
Benzene	5.55	0.0250	5.00	ND	111	70-130	4.31	27			
Ethylbenzene	5.47	0.0250	5.00	ND	109	70-130	4.41	26			
Toluene	5.54	0.0250	5.00	ND	111	70-130	4.38	20			
o-Xylene	5.40	0.0250	5.00	ND	108	70-130	4.43	25			
p,m-Xylene	11.0	0.0500	10.0	ND	110	70-130	4.42	23			
Total Xylenes	16.4	0.0250	15.0	ND	109	70-130	4.42	26			

8.00

108

70-130



Surrogate: 4-Bromochlorobenzene-PID

Vertex Resource Services Inc.Project Name:Jackson Disposal Line 50571Reported:3101 Boyd DriveProject Number:25013-0001Carlsbad NM, 88220Project Manager:Chance Dixon5/28/2025 10:12:18AM

Carlsbad NM, 88220		Project Manage	r: Cl	nance Dixon				5/2	8/2025 10:12:18AN				
	Nor	halogenated	Organics	by EPA 80	15D - G	RO		Analyst: BA					
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes				
Blank (2521088-BLK1)							Prepared: 0	5/21/25 Anal	yzed: 05/23/25				
Gasoline Range Organics (C6-C10)	ND	20.0											
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.02		8.00		100	70-130							
LCS (2521088-BS2)							Prepared: 0	5/21/25 Anal	yzed: 05/23/25				
Gasoline Range Organics (C6-C10)	44.3	20.0	50.0		88.5	70-130							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.21		8.00		103	70-130							
Matrix Spike (2521088-MS2)				Source:	E505233-	06	Prepared: 0	5/21/25 Anal	yzed: 05/23/25				
Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.2	70-130							

Surrogate: 1-Chloro-4-fluorobenzene-FID	8.20		8.00		103	70-130			
Matrix Spike Dup (2521088-MSD2)				Source:	E505233-0	06	Prepared: 0:	5/21/25 Analyzed	d: 05/23/25
Gasoline Range Organics (C6-C10)	45.5	20.0	50.0	ND	90.9	70-130	3.54	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.19		8.00		102	70-130			

Vertex Resource Services Inc.Project Name:Jackson Disposal Line 50571Reported:3101 Boyd DriveProject Number:25013-0001Carlsbad NM, 88220Project Manager:Chance Dixon5/28/2025 10:12:18AM

	Project Manage	r: Ch	ance Dixon				5,	/28/2025 10:12:18AI
Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: NV
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
						Prepared: 0	5/21/25 An	alyzed: 05/27/25
ND	25.0							
ND	50.0							
55.2		50.0		110	61-141			
						Prepared: 0	5/21/25 An	alyzed: 05/27/25
291	25.0	250		116	66-144			
51.3		50.0		103	61-141			
			Source:	E505238-0	02	Prepared: 0	5/21/25 An	alyzed: 05/27/25
298	25.0	250	ND	119	56-156			
55.5		50.0		111	61-141			
			Source:	E505238-0	02	Prepared: 0	5/21/25 An	alyzed: 05/27/25
308	25.0	250	ND	123	56-156	3.33	20	
56.5		50.0		113				
	Result mg/kg ND ND 55.2 291 51.3 298 55.5	Nonhalogenated Organic Reporting Limit mg/kg Mp 25.0 ND 50.0	Nonhalogenated Organics by	Result mg/kg Reporting Limit Level mg/kg Spike Level mg/kg Source Result mg/kg ND 25.0 ND 50.0 50.0 50.0 55.2 50.0 50.0 50.0 291 25.0 250 250 50.0 51.3 50.0 50.0 Source: 298 25.0 250 ND 50.0 55.5 50.0 Source: Source: 308 25.0 250 ND ND	Nonhalogenated Organics by EPA 8015D - DRO Result Limit Level Result Rec mg/kg mg/kg mg/kg mg/kg % ND	Nonhalogenated Organics by EPA 8015D - DRO/ORO Result Limit Level Result Rec Limits mg/kg mg/kg mg/kg mg/kg mg/kg % % % % % % % % %	Nonhalogenated Organics by EPA 8015D - DRO/ORO Result Reporting Limit Level Result Rec Limits RPD mg/kg mg/kg mg/kg mg/kg % % % % % % % % %	Nonhalogenated Organics by EPA 8015D - DRO/ORO Result Rec Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % % % % % % % % % % % % % % %



Matrix Spike Dup (2521134-MSD1)

Chloride

335

QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220		Project Name: Project Number: Project Manager	: 2	Tackson Dispose 25013-0001 Chance Dixon	al Line 503	Reported: 5/28/2025 10:12:18AM			
		Anions	by EPA	300.0/9056	4				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2521134-BLK1)							Prepared: 0:	5/23/25 Ar	nalyzed: 05/23/25
Chloride	ND	20.0							
LCS (2521134-BS1)							Prepared: 0	5/23/25 Ar	nalyzed: 05/23/25
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2521134-MS1)				Source:	E505234-	04	Prepared: 0	5/23/25 Ar	nalyzed: 05/23/25
Chloride	345	20.0	250	86.8	103	80-120			

250

20.0

Source: E505234-04

99.2

80-120

2.87

86.8

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Prepared: 05/23/25 Analyzed: 05/23/25

20

Definitions and Notes

Vertex Resource Services Inc.Project Name:Jackson Disposal Line 505713101 Boyd DriveProject Number:25013-0001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon05/28/25 10:12

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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





Chain of Custody

al Laboratory	
Client Information	Invoice Information

Client:_Vertex Resource (Bill to Jonah Energy) Project Name: Jackson Disposal Line 50571

Project Manager: Chance Dixon

Address: 3101 Boyd Dr

City, State, Zip: Carlsbad, NM, 88220

Phone: 5759881472

Imaging: 7/30/2025 3:45:36 PM

Email: Cdixon@vertexresource.com

Invoice Information			Lab L	Jse Only		TA	AT.				State	2	
Company: Jonah Energy Address: 83 Luman rd City, State, Zip: Pinedale, WY, 82923	Lab	WO#	234	25013.0001	1D	2D	3D	Std	NM	СО	UT	TX	
Phone: 970-222-6263				Analysis and Me	thod				EF	A Pr	ogra	m	
Email:leighann.kollath@jonahenergy.com liscellaneous: nAPP2511450571									SDWA	CV	VA	RC	RA
roject Number: 25A-02314		115	115					C	ompliand	ce	Υ	or	N

				Troject Namber: 25/1 02521			y 801	y 801	-	0	300.0	×	s e			PWSID#	
				Sample Information			RO b	RO by	v 802	826	e 300	X1 - 50	Met	S	×	9 G	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Lab Number	DRO/ORO by 801	GRO/DRO	BTEX by 8021	VOC by 8260	Chloride	TCEQ 1005	RCRA 8 Metals	BGDOC	верос	Samle	Remarks
9:15	05.19.2025	Soil	1	WS25-02 0-4'		1	X	Х	х		Х					3.1	
10:15	05.19.2025	Soil	1	WS25-07 0-4'	1	2	X	х	х		х					2.6	
12:15	05.19.2025	Soil	1	WS25-10 0-4'		3	X	х	х		Х					1.6	
12:30	05.19.2025	Soil	1	WS25-11 2.5-4'		4	×	Х	х		Х					2.1	
															\perp		
														-	+		
							-										
					1												
N. In 112																	

Additional Instructions:

I, (field sampler), attest in the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: N. M. A. N. Relinquished by: (Signature)	S-20-2025	7:00	Received by: (Signature)	5-20-25	5 Time 030	Samples requiring thermal preservation must be received on
Relinquished by: (Signature) Relinquished by: (Signature)	Date 5 - 20-2	Time 700	Received by: (bignature)	Date 5.20.25	Time / Goo	ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on
Relinquished by: (Signature)	5.20.25 Date	Time	Received by: (Signature)	10.21.25 Date	Time	subsequent days. Lab Use Only
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Received on ice:

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

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

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

envirotech Inc.

Printed: 5/21/2025 9:26:12AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Vertex Resource Services Inc.	Date Received:	05/21/25	08:00	Work Order ID:	E505234
Phone:	(575) 748-0176	Date Logged In:	05/20/25	15:22	Logged In By:	Caitlin Mars
Email:	cdixon@vertexresource.com	Due Date:	05/28/25	17:00 (4 day TAT)		
Chain of	Custody (COC)					
	he sample ID match the COC?		Yes			
	he number of samples per sampling site location ma	atch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Courier		
	e COC complete, i.e., signatures, dates/times, reque	ested analyses?	Yes			
5. Were a	Ill samples received within holding time? Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucss		Yes		Comment	s/Resolution
Sample T	<u>Furn Around Time (TAT)</u>					
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
	, were custody/security seals intact?					
			NA			
	ne sample received on ice? Note: Thermal preservation is not required, if samples a 15 minutes of sampling		Yes			
	COC for individual sample temps. Samples outside	of 0°C-6°C will be	recoraea	in comments.		
	Container Container					
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct container		Yes			
19. Is the	appropriate volume/weight or number of sample conta	iners collected?	Yes			
Field Lal						
	field sample labels filled out with the minimum inf	formation:	37			
	ample ID? Date/Time Collected?		Yes			
	Collectors name?		Yes Yes			
	Preservation		103			
	the COC or field labels indicate the samples were p	oreserved?	No			
	ample(s) correctly preserved?		NA			
	filtration required and/or requested for dissolved n	netals?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multiph	2527	No			
	, does the COC specify which phase(s) is to be ana		No			
		iyzed:	NA			
	ract Laboratory					
	amples required to get sent to a subcontract laborate a subcontract laboratory specified by the client and	-	No NA	Subcontract Lab: NA		
Client I	<u>nstruction</u>					
						_

Date

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

Report to:
Chance Dixon



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Vertex Resource Services Inc.

Project Name: Jackson Disposal 50571

Work Order: E506006

Job Number: 25013-0001

Received: 6/3/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/4/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 6/4/25

Chance Dixon 3101 Boyd Drive Carlsbad, NM 88220

Project Name: Jackson Disposal 50571

Workorder: E506006

Date Received: 6/3/2025 8:00:00AM

Chance Dixon,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/3/2025 8:00:00AM, under the Project Name: Jackson Disposal 50571.

The analytical test results summarized in this report with the Project Name: Jackson Disposal 50571 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

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Michelle Gonzales

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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Γ	Vertex Resource Services Inc.	Project Name:	Jackson Disposal 50571	Donoutodi
ı	3101 Boyd Drive	Project Number:	25013-0001	Reported:
l	Carlsbad NM, 88220	Project Manager:	Chance Dixon	06/04/25 11:51

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
BS25-23 2.75'	E506006-01A Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
BS25-26 2.75'	E506006-02A Soil	05/30/25	06/03/25	Glass Jar, 2 oz.



Vertex Resource Services Inc.	Project Name:	Jackson Disposal 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	6/4/2025 11:51:14AM

BS25-23 2.75'

E506006-01

		E300000-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2523052
Benzene	ND	0.0250	1	06/03/25	06/03/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/03/25	
Toluene	ND	0.0250	1	06/03/25	06/03/25	
o-Xylene	ND	0.0250	1	06/03/25	06/03/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/03/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/03/25	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	06/03/25	06/03/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	Analyst: BA		Batch: 2523052
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.9 %	70-130	06/03/25	06/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2523058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/03/25	
Surrogate: n-Nonane		100 %	61-141	06/03/25	06/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2523056
Chloride	42.2	20.0	1	06/03/25	06/03/25	



Vertex Resource Services Inc.	Project Name:	Jackson Disposal 50571	
3101 Boyd Drive	Project Number:	25013-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	6/4/2025 11:51:14AM

BS25-26 2.75'

E506006-02

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2523052
Benzene	ND	0.0250	1	06/03/25	06/03/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/03/25	
Toluene	ND	0.0250	1	06/03/25	06/03/25	
o-Xylene	ND	0.0250	1	06/03/25	06/03/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/03/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/03/25	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	06/03/25	06/03/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	Analyst: BA		Batch: 2523052
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.2 %	70-130	06/03/25	06/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2523058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/03/25	
Surrogate: n-Nonane		102 %	61-141	06/03/25	06/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2523056
	ND	20.0	-	06/03/25	06/03/25	



Vertex Resource Services Inc.
Project Name: Jackson Disposal 50571
Reported:
3101 Boyd Drive Project Number: 25013-0001
Carlsbad NM, 88220 Project Manager: Chance Dixon 6/4/2025 11:51:14AM

Volatile Organics by EPA 8021B
Analyst: BA

Carlsbad NM, 88220		Project Manager	: Cł	nance Dixon					6/4/2025 11:51:14AM
		Volatile C	Organics b	y EPA 802	1B				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2523052-BLK1)							Prepared: 0	6/02/25 Aı	nalyzed: 06/03/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	9.19		8.00		115	70-130			
LCS (2523052-BS1)							Prepared: 0	6/02/25 Aı	nalyzed: 06/03/25
Benzene	5.64	0.0250	5.00		113	70-130			
Ethylbenzene	5.48	0.0250	5.00		110	70-130			
Toluene	5.58	0.0250	5.00		112	70-130			
o-Xylene	5.41	0.0250	5.00		108	70-130			
p,m-Xylene	11.0	0.0500	10.0		110	70-130			
Total Xylenes	16.4	0.0250	15.0		109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.06		8.00		101	70-130			
Matrix Spike (2523052-MS1)				Source: 1	E506003-	26	Prepared: 0	6/02/25 Aı	nalyzed: 06/03/25
Benzene	5.58	0.0250	5.00	ND	112	70-130			
Ethylbenzene	5.38	0.0250	5.00	ND	108	70-130			
Toluene	5.49	0.0250	5.00	ND	110	70-130			
o-Xylene	5.31	0.0250	5.00	ND	106	70-130			
p,m-Xylene	10.8	0.0500	10.0	ND	108	70-130			
Total Xylenes	16.1	0.0250	15.0	ND	107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.8	70-130			
Matrix Spike Dup (2523052-MSD1)				Source: 1	E506003-	26	Prepared: 0	6/02/25 Aı	nalyzed: 06/03/25
Benzene	4.98	0.0250	5.00	ND	99.5	70-130	11.3	27	
Ethylbenzene	4.83	0.0250	5.00	ND	96.6	70-130	10.8	26	
Toluene	4.91	0.0250	5.00	ND	98.3	70-130	11.1	20	
o-Xylene	4.74	0.0250	5.00	ND	94.9	70-130	11.3	25	
p,m-Xylene	9.73	0.0500	10.0	ND	97.3	70-130	10.5	23	
Total Xylenes	14.5	0.0250	15.0	ND	96.5	70-130	10.7	26	
Surrogate: 4-Bromochlorobenzene-PID	7.81		8.00		97.7	70-130			



Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Vertex Resource Services Inc.Project Name:Jackson Disposal 50571Reported:3101 Boyd DriveProject Number:25013-0001Carlsbad NM, 88220Project Manager:Chance Dixon6/4/2025 11:51:14AM

Carlsbad NM, 88220		Project Manage	r: Ch	ance Dixon				6/4	/2025 11:51:14AM		
	Nor	Nonhalogenated Organics by EPA 8015D - GRO							Analyst: BA		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec	Rec Limits	RPD %	RPD Limit %	Notes		
				9 1.5	70		70	70	110103		
Blank (2523052-BLK1)							Prepared: 0	6/02/25 Analy	yzed: 06/03/25		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.08		8.00		101	70-130					
LCS (2523052-BS2)							Prepared: 0	6/02/25 Analy	yzed: 06/03/25		
Gasoline Range Organics (C6-C10)	41.9	20.0	50.0		83.8	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.5	70-130					
Matrix Spike (2523052-MS2)				Source:	E506003-	26	Prepared: 0	6/02/25 Analy	yzed: 06/03/25		
Gasoline Range Organics (C6-C10)	43.6	20.0	50.0	ND	87.2	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.8	70-130					
Matrix Spike Dup (2523052-MSD2)				Source:	E506003-	26	Prepared: 0	6/02/25 Analy	yzed: 06/03/25		
Gasoline Range Organics (C6-C10)	44.5	20.0	50.0	ND	89.1	70-130	2.15	20			

8.00

7.67

95.9

70-130

Vertex Resource Services Inc.Project Name:Jackson Disposal 50571Reported:3101 Boyd DriveProject Number:25013-0001Carlsbad NM, 88220Project Manager:Chance Dixon6/4/2025 11:51:14AM

Carlsbad NM, 88220		Project Manage	r: Ch	ance Dixon					6/4/2025 11:51:14AN		
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO		Analyst: NV			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2523058-BLK1)							Prepared: 0	6/03/25 Ar	nalyzed: 06/03/25		
Diesel Range Organics (C10-C28)	ND	25.0									
Dil Range Organics (C28-C36)	ND	50.0									
urrogate: n-Nonane	51.6		50.0		103	61-141					
LCS (2523058-BS1)							Prepared: 0	6/03/25 Ar	alyzed: 06/03/25		
Diesel Range Organics (C10-C28)	266	25.0	250		106	66-144					
urrogate: n-Nonane	52.0		50.0		104	61-141					
Matrix Spike (2523058-MS1)				Source:	E506005-	02	Prepared: 0	5/03/25 Ar	nalyzed: 06/03/25		
Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	56-156					
urrogate: n-Nonane	52.5		50.0		105	61-141					
Matrix Spike Dup (2523058-MSD1)				Source:	E506005-	02	Prepared: 0	6/03/25 Ar	nalyzed: 06/03/25		
Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	56-156	1.87	20			
urrogate: n-Nonane	51.0		50.0		102	61-141					

QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive		Project Name: Project Number:		ackson Disposa	al 50571				Reported:	
Carlsbad NM, 88220		Project Manager:							6/4/2025 11:51:14AM	
		Anions	by EPA	300.0/9056 <i>A</i>	\				Analyst: RAS	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2523056-BLK1)							Prepared: 0	6/03/25 A	Analyzed: 06/03/25	
Chloride	ND	20.0								
LCS (2523056-BS1)							Prepared: 0	6/03/25 A	Analyzed: 06/03/25	
Chloride	256	20.0	250		102	90-110				
Matrix Spike (2523056-MS1)				Source:	E506005-0)5	Prepared: 0	6/03/25 A	Analyzed: 06/03/25	
Chloride	276	20.0	250	23.4	101	80-120				
Matrix Spike Dup (2523056-MSD1)				Source:	E506005-0)5	Prepared: 0	6/03/25 A	Analyzed: 06/03/25	
Chloride	278	20.0	250	23.4	102	80-120	0.929	20		

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Vertex Resource Services Inc.Project Name:Jackson Disposal 505713101 Boyd DriveProject Number:25013-0001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon06/04/25 11:51

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



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

And	lytical L	ab nt Inform	antian		lave	oice Information				1.	a h 114	0	die					AT		State	
Client:_Vertex Resource (Bill to Jonah Energy) Project Name: Jackson Disposal Line 50571			Company: Address: City, State, Zip: Phone: Email: Miscellaneous: nAPP2511450571 Project Number: 25A-02314			GLIE	500	Lab Use Only Job Number 25013.0001						1D		3D Std					
Project Manager: Chance Dixon Address: 3101 Boyd Dr City, State, Zip: Carlsbad, NM, 88220 Phone: 5759881472 Email: Cdixon@vertexresource.com							Ber .		5		Ana	lysis	and	Met	hod			SDWA Complian	PA Progra	RCRA or N	
				Sample Infor					by 8015	by 801	121	09	0.00	×	etals		5		PWSID #		
Time Sampled	Date Sampled	Matrix	No. af Containers	Sample into	Sample ID		Field	Lab Number	DRO/ORO	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005	RCRA 8 Metals		BGDOC - NM	BGDOC - TX	Samle Temp	Ren	narks
14:00	05.30.2025	Soil	1		BS25-23 2.75'			1		х	х		х						2.4		
14:10	05.30.2025	Soil	1		BS25-26 2.75			2		Х	х		х						2.0		
														-	-						
														+	-						
						,								1	1						
Addition	al Instruction		A Santicity	of this sample	That tamparing with o	r intentionally mislabeling	the car	anle locatio	n data	or time	a of co	lection	is con	ridered	frauc	and i	nau ha	arounds for	lagal action		
Sampled by	ed by: (Signature		DARRE	of this sample	In .	Recaived by (Signatu	re)	THE POCULIO	A	Date		. =	-	Time			1			quiring th	ermal
Relinguish	chelle t	Jones	rles	Date 5-30-25 Date J. J.5 Date	1845	Received by: (9 gnatu	H	onza		Date 6	2	25		Time /4	34			ice rece	the day theived pack	nust be red ley are san ed on ice a	npled or at a temp
Relinquish	J.M.			6.2.25	2400	Call	4	Mar	n	_		25	5		00			al		less than quent days	
Relinquish	ed by: (Signature	e)		Date	Time	Received by: (Signatu	re)			Date				Time						Use Only ved on ice	
Relinquish	ed by: (Signature	e)		Date	Time	Received by: (Signatu	re)			Date	1			Time						D/N	10

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech Inc.

Printed: 6/3/2025 8:30:47AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Vertex Resource Services Inc.	Date Received:	06/03/25	08:00	Work Order ID:	E506006
Phone:	(575) 748-0176	Date Logged In:	06/02/25	15:02	Logged In By:	Caitlin Mars
Email:	cdixon@vertexresource.com	Due Date:	06/03/25	17:00 (0 day TAT)		
Chain of	Custody (COC)					
	he sample ID match the COC?		Yes			
	he number of samples per sampling site location ma	atch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Courier		
	e COC complete, i.e., signatures, dates/times, reque	ested analyses?	Yes			
5. Were a	Ill samples received within holding time? Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucss		Yes		Comment	s/Resolution
Sample T	<u>Furn Around Time (TAT)</u>					
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
	were custody/security seals intact?					
			NA			
	ne sample received on ice? Note: Thermal preservation is not required, if samples a 15 minutes of sampling		Yes			
	COC for individual sample temps. Samples outside	of 0°C-6°C will be	recoraea	in comments.		
	Container					
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?	_	NA			
	on-VOC samples collected in the correct container		Yes			
19. Is the	appropriate volume/weight or number of sample conta	iners collected?	Yes			
Field Lal						
	field sample labels filled out with the minimum inf	formation:	37			
	ample ID? Date/Time Collected?		Yes			
	Collectors name?		Yes No			
	Preservation		110			
	the COC or field labels indicate the samples were p	oreserved?	No			
	ample(s) correctly preserved?		NA			
	filtration required and/or requested for dissolved n	netals?	No			
	ase Sample Matrix		· -			
	the sample have more than one phase, i.e., multiph	259	No			
	s, does the COC specify which phase(s) is to be ana		No			
		iyzed:	NA			
	ract Laboratory					
	amples required to get sent to a subcontract laborate a subcontract laboratory specified by the client and	•	No NA	Subcontract Lab: NA		
Client I	<u>nstruction</u>					
						_

Date

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

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

QUESTIONS

Action 487722

QUESTIONS

Operator:	OGRID:
Jonah Energy LLC	333010
370 17th Street	Action Number:
Denver, CO 80202	487722
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites				
Incident ID (n#)	nAPP2511450571			
Incident Name	NAPP2511450571 JACKSON DISPOSAL LINE @ 30-025-41230			
Incident Type	Produced Water Release			
Incident Status	Reclamation Report Received			
Incident Well	[30-025-41230] JACKSON UNIT #025H			

Location of Release Source					
Please answer all the questions in this group.					
Site Name	Jackson Disposal Line				
Date Release Discovered	04/24/2025				
Surface Owner	State				

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: Human Error Pipeline (Any) Produced Water Released: 147 BBL Recovered: 142 BBL Lost: 5 BBL.					
Is the concentration of chloride in the produced water >10,000 mg/l	Yes					
Condensate Released (bbls) Details	Not answered.					
Natural Gas Vented (Mcf) Details	Not answered.					
Natural Gas Flared (Mcf) Details	Not answered.					
Other Released Details	Not answered.					
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.					

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

QUESTIONS, Page 2

Action 487722

QUESTI	IONS (continued)				
Operator: Jonah Energy LLC 370 17th Street Denver, CO 80202	OGRID:				
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)				
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 s	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.				
	iation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.				
to report and/or file certain release notifications and perform corrective actions for releate OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface it does not relieve the operator of responsibility for compliance with any other federal, state, or				
I hereby agree and sign off to the above statement	Name: Chance Dixon Title: Project Manager Vertex Email: cdixon@vertexresource.com Date: 04/25/2025				

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

QUESTIONS, Page 3

Action 487722

QUESTIONS (continued)

Operator:	OGRID:
Jonah Energy LLC	333010
370 17th Street	Action Number:
Denver, CO 80202	487722
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Site Characterization				
Please answer all the questions in this group (only required when seeking remediation plan approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the			
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)			
What method was used to determine the depth to ground water	NM OSE iWaters Database Search			
Did this release impact groundwater or surface water	No			
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:				
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)			
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 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	Between 1 and 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 ½ and 1 (mi.)			
A subsurface mine	Between 1 and 5 (mi.)			
An (non-karst) unstable area	Greater than 5 (mi.)			
Categorize the risk of this well / site being in a karst geology	Low			
A 100-year floodplain	Greater than 5 (mi.)			
Did the release impact areas not on an exploration, development, production, or storage site	Yes			

Remediation Plan					
Please answer all the questions th	Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.				
Requesting a remediation	plan approval with this submission	Yes			
Attach a comprehensive report der	monstrating the lateral and vertical extents of soil contamination a	associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.			
Have the lateral and vertica	l extents of contamination been fully delineated	Yes			
Was this release entirely co	ontained within a lined containment area	No			
Soil Contamination Sampling	: (Provide the highest observable value for each, in milli	grams per kilograms.)			
Chloride	(EPA 300.0 or SM4500 CI B)	5290			
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	561			
GRO+DRO	(EPA SW-846 Method 8015M)	98.9			
BTEX	(EPA SW-846 Method 8021B or 8260B)	0			
Benzene	(EPA SW-846 Method 8021B or 8260B)	0			
	IMAC unless the site characterization report includes completed e elines for beginning and completing the remediation.	efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,			
On what estimated date wil	Il the remediation commence	05/12/2025			
On what date will (or did) th	ne final sampling or liner inspection occur	05/30/2025			
On what date will (or was) t	the remediation complete(d)	05/30/2025			
What is the estimated surfa	ce area (in square feet) that will be reclaimed	5124			
What is the estimated volur	ne (in cubic yards) that will be reclaimed	696			
What is the estimated surfa	ce area (in square feet) that will be remediated	5124			
What is the estimated volur	ne (in cubic yards) that will be remediated	696			
These estimated dates and measure	rements 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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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 4

Action 487722

QUESTIONS (continued)

Operator:	OGRID:
Jonah Energy LLC	333010
370 17th Street	Action Number:
Denver, CO 80202	487722
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Remediation Plan (continued)		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:		
(Select all answers below that apply.)		
Yes		
OWL LANDFILL JAL [fJEG1635837366]		
Not answered.		

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

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

Name: Chance Dixon Title: Project Manager Vertex I hereby agree and sign off to the above statement Email: cdixon@vertexresource.com Date: 07/22/2025

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

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QUESTIONS, Page 5

Action 487722

QUESTIONS (continued)

Operator:	OGRID:
Jonah Energy LLC	333010
370 17th Street	Action Number:
Denver, CO 80202	487722
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

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

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QUESTIONS, Page 6

Action 487722

QUESTIONS (continued)

Operator:	OGRID:
Jonah Energy LLC	333010
370 17th Street	Action Number:
Denver, CO 80202	487722
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded 468142	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/02/2025
What was the (estimated) number of samples that were to be gathered	2
What was the sampling surface area in square feet	400

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	5124	
What was the total volume (cubic yards) remediated	696	
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	5124	
What was the total volume (in cubic yards) reclaimed	696	
Summarize any additional remediation activities not included by answers (above)	Remediation was completed to reclamation criteria with the top four feet meeting Table 1's strictest standards per 19.15.29.12 NMAC.	

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

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

Name: Chance Dixon

Title: Project Manager Vertex
Email: cdixon@vertexresource.com
Date: 07/22/2025

Phone: (505) 629-6116

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QUESTIONS, Page 7

Action 487722

QUESTIONS (continued)

Operator.	OGRID.
Jonah Energy LLC	333010
370 17th Street	Action Number:
Denver, CO 80202	487722
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)
QUESTIONS	
Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	5124
What was the total volume of replacement material (in cubic yards) for this site	696
	if four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 over must include a top layer, which is either the background thickness of topsoil or one foot of suitable material
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	07/21/2025
Summarize any additional reclamation activities not included by answers (above)	Site was immediately backfilled, contoured to pre-disturbance levels, and seeded when final confirmation sampling was completed.
	reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form nt field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13
to report and/or file certain release notifications and perform corrective actions for release the OCD does not relieve the operator of liability should their operations have failed to water, human health or the environment. In addition, OCD acceptance of a C-141 report	
I hereby agree and sign off to the above statement	Name: Chance Dixon Title: Project Manager Vertex Email: cdixon@vertexresource.com

Date: 07/22/2025

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

QUESTIONS, Page 8

Action 487722

QUESTIONS (continued)

Operator:	OGRID:
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370 17th Street	Action Number:
Denver, CO 80202	487722
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report		
Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.		
Requesting a restoration complete approval with this submission	No	
Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.		

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CONDITIONS

Action 487722

CONDITIONS

Operator:	OGRID:
Jonah Energy LLC	333010
370 17th Street	Action Number:
Denver, CO 80202	487722
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
scwells	Reclamation approved with the following conditions:	7/30/2025
scwells	1) Under the Site Characterization portion of the C-141 application the minimum distances to the following are incorrect and require updates upon revegetation report submission and for future releases at this site: Any lakebed, sinkhole, or playa lake (1/2-1 mile E) and a wetland (1000 ft-1/2 mile E).	7/30/2025
scwells	2) Two business day notice was not provided for samples collected on 5/13. Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC. Failure to provide proper sampling notice is a compliance issue and the OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D.(1).(a) NMAC.	7/30/2025