

Incident Number: nSAP0215477198

Reclamation Report

Jackson Unit #003

Unit N, Section 15, Township 24 South, Range 33 East

API: 30-025-33238

County: Lea

Vertex File Number: 24E-03316

Prepared for:

Tap Rock Resources

Prepared by:

Vertex Resource Services Inc.

Date:

July 2025

ap Rock Resources ackson Unit #003		Reclamation Report May 2025
Reclamation Report		
Jackson Unit #003		
Unit N, Section 15, Township 24 South, Range 33 I	ast	
API: 30-025-33238		
NMSLO Lease Number: LG63370001		
County: Lea		
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ENVIRONMENTAL TECHNICIAN, REPORTING	Date	
,		
Chance Dixon, B.Sc.	 Date	

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PROJECT MANAGER, REPORT REVIEW

Tap Rock ResourcesJackson Unit #003

Reclamation Report May 2025

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1.0 Introduction

Tap Rock Resources retained Vertex Resource Services Inc. (Vertex) to conduct the Land Reclamation Report for the former Jackson Unit #003 (hereafter referred to as "site") with the understanding that the open release that was approved on September 26, 2024. The well was plugged and abandoned on December 15, 2022. After the site was decompacted, and it was deemed that additional reclamation activities would be required, Vertex completed oversight of the release and pad reclamations.

This report provides a description of the remediation and reclamation 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 New Mexico Oil Conservation Division (NMOCD) has been met and all applicable regulations are being followed. This document is intended to serve as a final report to obtain reclamation approval from NMOCD for closure of this release, with the understanding that restoration of the site was completed immediately following remediation activities as per NMAC 19.15.29.13.

2.0 Site Characteristics

The site is located approximately 24 miles southwest of Jal, New Mexico. The legal location for the site is Unit N, Section 15, Township 24 South and Range 33 East in Lea County, New Mexico. The release area is located on state property. An aerial photograph and site schematic are presented in 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 release area on or in proximity to the constructed pad (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 Qp – piedmont alluvial deposits (Holocene to lower Pleistocene) and the soil at the site is characterized as fine sand (United States Department of Agriculture, Natural Resources Conservation Service, 2025). Additional soil characteristics include a drainage class of well drained with a runoff class of low. The karst geology potential for the site is low (United States Department of the Interior, Bureau of Land Management, 2018).

The surrounding landscape was associated with plains with elevations ranging between 3,000 to 4,400 feet. The climate is semiarid with average annual precipitation ranging between 10 and 13 inches. Using information from the United States Department of Agriculture, the dominant vegetation was determined to be black grama. Grasses with shrubs and half-shrubs dominate the historical plant community (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.

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5.0 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. After the ripping and seeding of the reclamation, a heavy rain event occurred which washed out the rips and flattened the area, embedding the seed underneath. Site photographs obtained after ripping/seeding and after the rain event are included in Appendix B.

5.1 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.

5.2 Soil Replacement

Surface reclamation included determination of background topsoil depth as site conditions are required to meet pre-existing conditions. Reclamation of the location and of the was completed after backfilling operations. Clean, locally sourced topsoil and caliche were imported to the site to backfill the excavation (Table 1). The entire reclamation area was fenced with a 4-strand barbed wire fence.

5.3 Production Pad Reclamation

All production equipment related to the pad was removed including the two pipeline risers on the northeast and southeast portion of the former pad. The remaining topsoil on the pad including the backfilled area was decompacted using mechanical equipment, which ripped the surface to a depth of approximately 12 inches while avoiding the exposure of underlying caliche or concrete materials. The surface was then contoured to blend with the surrounding landscape and subsequently seeded. The utility power lines that were used to operate the former well pad remain at the site.

5.4 Restoration of Drainage

Currently, the site consists of a mostly-level pasture area. The site was contoured to match surrounding topography as near as practicable to restore natural drainage. Any compaction on-site was addressed by decompaction to an approximate depth of 12 inches. All de-compaction activities were conducted post-backfill procedures and pre-seeding to maximize seed to soil contact and promote vegetation establishment.

5.5 Erosion Control

There are currently no erosion concerns on-site, and the use of erosion control devices at this location is not anticipated; however, erosion control devices will be installed at the discretion of the on-site environmental inspector.

5.6 Re-vegetation

5.6.1 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. An NMSLO loamy seed mix consisting of

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Sideoats grama -4.0 lb/acre, Blue grama -1 lb/acre, Black grama -1 lb/acre, Sand dropseed -2 lb/acre, Alkali sacaton -1 lb/acre, Little bluestem 1.5 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 backfilling and seeding is located in Appendix B.

5.6.2 Reclamation Standards

Reclamation success will meet requirements outlined in Chapter 6 of The Gold Book (United States Department of the Interior and U.S. Department of Agriculture, 2007) which states that "a self-sustaining, vigorous, diverse, native (or otherwise approved) plant community is established on site, with a density sufficient to control erosion and non-native plant invasion and to re-establish wildlife habitat or forage production".

5.7 Weed Management

The site will be monitored for vegetative growth throughout the year. Should noxious vegetation be identified on-site, 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.

6.0 Monitoring Program

Tri-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.

7.0 Final Summary

Reclamation of the release has been completed. Vertex will monitor the site for vegetative growth with the specifications listed in Section 8. During the tri-annual inspections, if site conditions are at or nearing background conditions with 70% coverage, the final reclamation/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.

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8.0 References

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United States Department of the Interior and United States Department of Agriculture. (2007). Surface Operating Standards and Guidelines for Oil and Gas Exploration and Development: The Gold Book (Chapter 6)

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9.0 Limitations

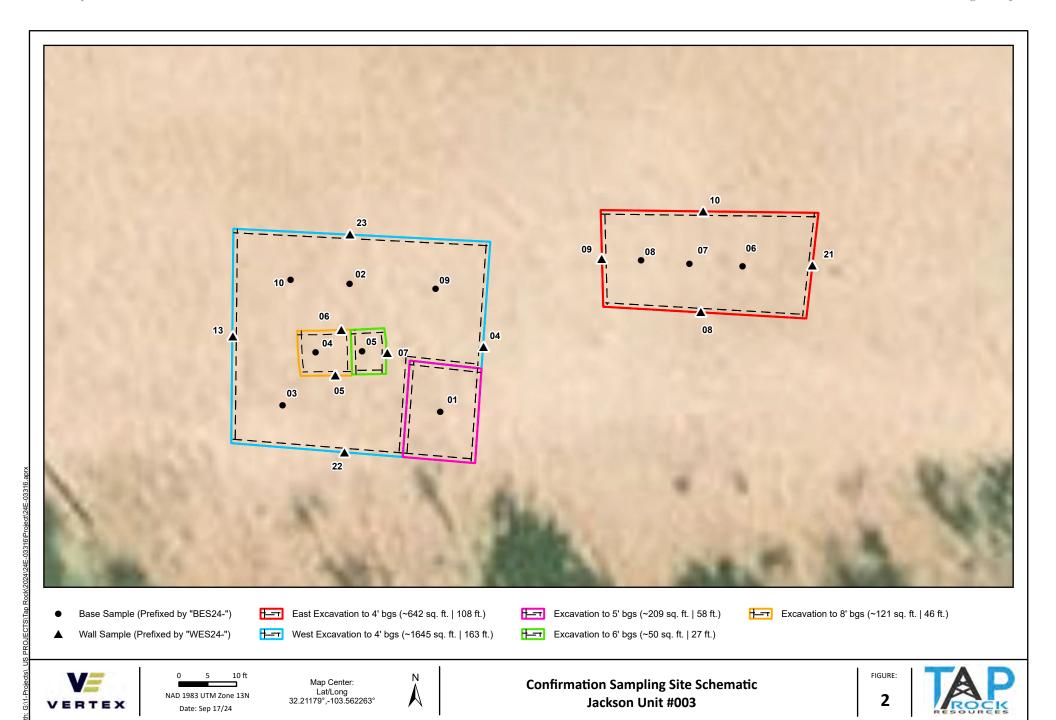
This report has been prepared for the sole benefit of Tap Rock Resources and Jonah Energy. This document may not be used by any other person or entity, with the exception of the New Mexico Oil Conservation Division and the New Mexico State Land Office, without the express written consent of Vertex Resource Services Inc. (Vertex) and Tap Rock Resources. 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. The conclusions and recommendations presented in this report should not be considered legal advice.

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FIGURES

Received by OCD: 7/15/2025 2:32:24 PM



Note: Georeferenced image from Esri, 2023. Approximate site boundary from sketch by Vertex Professional Services Ltd. (Vertex), 2024. Site features from GPS, Vertex, 2024.

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8
Released to Imaging: 8/12/2025 11:44:26 AM

Seospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for



VERTEX

500 ft NAD 1983 StatePlane New Mexico East FIPS 3001 Feet

Lat/Long: 32.212646°N, 103.560481°W

Date: May 12/25

Reclamation Site Schematic Jackson Unit #003

3



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

TABLES

Client Name: Tap Rock Resources Site Name: Jackson Unit #003 NMOCD Tracking #: nSAP0215477198

Project #: 24E-03316

Lab Report: E408175,E409013

		matory Sample Lab	oratory R	esults - De				t bgs (Rec	lamation)	
	Sample Description Petroleum Hydrocarbons									
			Vol	atile			Extractable			Inorganic
Sample ID	Depth (ft)	Sample Date	Benzene	BTEX (Total)	ত্ত্ৰ Gasoline Range Organics স্থি (GRO)	Diesel Range Organics	Motor Oil Range Organics	(gRO + DRO)	ত্র Total Petroleum স্নি Hydrocarbons (TPH)	My/8/ Chloride Concentration
	4	August 19, 2024	ND	ND	ND	1570	225	1570	1795	29.7
BES24-01	5	September 4, 2024	ND	ND	ND	ND	ND	ND	ND	ND
BES24-02	4	August 19, 2024	ND	ND	ND	349	110	349	459	20
BES24-03	4	August 19, 2024	ND	ND	ND	81.8	ND	81.8	81.8	ND
BES24-04	8	August 19, 2024	ND	0.2693	ND	369	63.6	369	432.6	ND
BES24-05	6	August 19, 2024	ND	ND	ND	162	ND	162	162	ND
BES24-06	4	August 19, 2024	ND	ND	ND	232	62.1	232	294.1	32
BES24-07	4	August 19, 2024	ND	ND	ND	243	57.6	243	300.6	46.1
BES24-08	4	August 19, 2024	ND	ND	ND	54	ND	54	54	98
BES24-09	4	August 19, 2024	ND	ND	ND	81.8	ND	81.8	81.8	ND
BES24-10	4	August 19, 2024	ND	ND	ND	779	157	779	936	55.3
WES24-01	0-4	August 16, 2024	-	-	-	-	-	-	-	-
WES24-02	0-4	August 16, 2024	-	-	-	-	-	-	-	-
WES24-03	0-4	August 16, 2024	-	-	-	-	-	-	-	-
WES24-04	0-4	August 19, 2024	ND	ND	ND	26.4	ND	26.4	26.4	ND
WES24-05	4-8	August 19, 2024	ND	0.118	ND	329	55.1	329	384.1	ND
WES24-06	4-8	August 19, 2024	ND	0.2903	ND	832	103	832	935	52
WES24-07	4-6	August 19, 2024	ND	ND	ND	113	ND	113	113	ND
WES24-08	0-4	August 19, 2024	ND	ND	ND	51.3	ND	51.3	51.3	51
WES24-09	0-4	August 19, 2024	ND	ND	ND	ND	ND	ND	ND	50
WES24-10	0-4	August 19, 2024	ND	ND	ND	63.9	ND	63.9	63.9	95
WES24-11	0-4	August 19, 2024	ND	ND	ND	189	77	189	266	51
WES24-12	0-4	August 19, 2024	-	-	-	-	-	-	-	-
WES24-13	0-4	August 19, 2024	ND	ND	ND	ND	ND	ND	ND	90
WES24-14	0-4	August 19, 2024	-	-	-	115	- E0	- 115	- 165	-
WES24-15	0-4	August 19, 2024	ND	ND	ND	115	50 ND	128	103	66 52
WES24-16	0-4	August 19, 2024	ND -	ND -	ND -	128	ND -	- 120	-	52
WES24-17	0-4	September 4, 2024		-	_	_		_	_	_
WES24-18	0-5	September 4, 2024				_		-	-	-
WES24-19	0-5	September 4, 2024		_		_	_	-	-	_
WES24-20	0-5	September 4, 2024	ND	ND	ND	ND	ND	ND	ND	52
WES24-21 WES24-22	0-4	September 4, 2024	ND	ND	ND	ND	ND	ND	ND	34
WES24-22 WES24-23	0-4 0-4	September 4, 2024 September 4, 2024	ND	ND	ND	ND	ND	ND	ND	129

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

Bold and grey shaded indicates exceedance outside of NMOCD Reclamation Criteria (on-pad)



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

APPENDIX A – Closure Criteria Research Documentation

OSE POD Location Map



10/28/2024, 1:29:55 PM

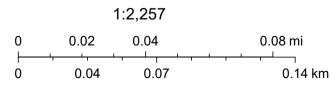
Override 1
GIS WATERS PODs

Plugged

OSE District Boundary

Water Right Regulations

Closure Area



Maxar, Microsoft, Esri, HERE, iPC, Esri, HERE, Garmin, iPC

Water Right Summary



WR File Number:	C 04867	Subbasin:	CUB	Cross Reference:
Primary Purpose:	EXP EXPLORATION			
Primary Status:	PMT Permit			
Total Acres:		Subfile:		Header:
Total Diversion:	0.000	Cause/Case:		
Owner:	TAP ROCK OPERATING, LLC.			
Contact:	BILL RAMSEY			
Owner:	VERTEX RESOURCE SERVICES, INC.			
Contact:	CHANCE DIXON			

Documents on File

(acre-fee

Transaction Images	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/To	Acres	Diversion
_get images	<u>765050</u>	EXPL	2024-08-13	PMT	APR	C 04867 POD1	Т	0.000	0.000

Current Points of Diversion

POD Number	Well Tag	Source	Q64	Q16	Q4	Sec	Tws	Rng	X	Υ	Мар	Other Location Desc
<u>C 04867 POD1</u>	NA		SE	SE	SW	15	245	33E	635529.8	3564815.6	•	
* UTM location was derived from PLSS - see Help												

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

10/28/24 1:31 PM MST Water Rights Summary

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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 I	Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Υ	Мар
NA	C 048	67 POD1	SE	SE	SW	15	24S	33E	635529.8	3564815.6	5
* UTM location	n was de	rived from F	PLSS - see l	Help							
Driller Lice	nse:	1833	Dr	iller Compa	ny:	VISION RI	SOURG	ES, INC			
Driller Nan	ne:	JASON N	1ALEY								
Drill Start I	Date:	2024-08-	-22 D ri	ill Finish Da	te:	2024-08-2	22		Plug Dat	e: ?	2024-08-26
Log File Da	g File Date: PCW Rcv Date:							Source:			
Pump Type	e:		Pip	e Discharge	e Size:				Estimate	d Yield:	
Casing Size	sing Size: Depth Well:			105			Depth Water:				

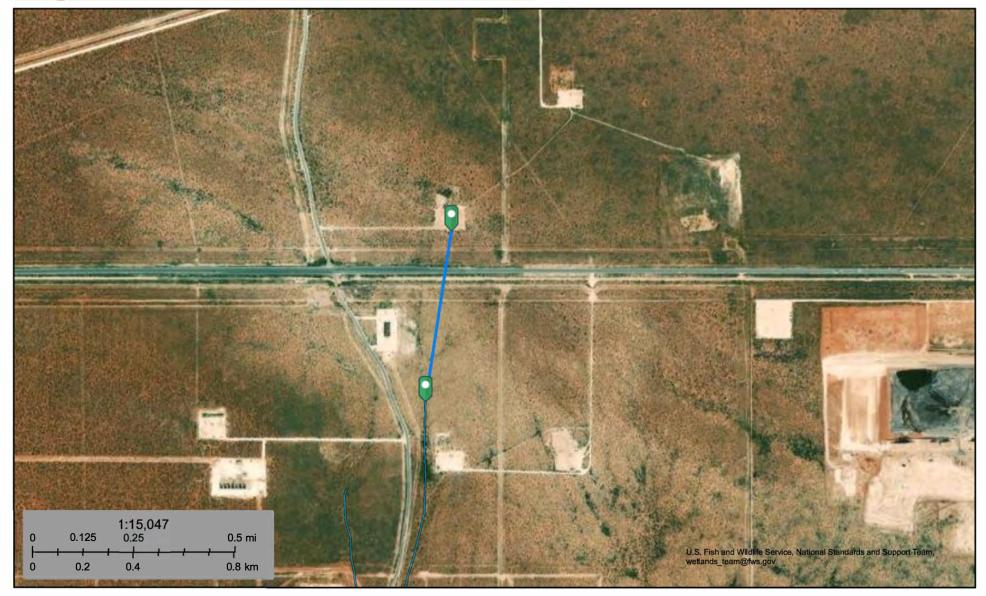
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Jackson Unit #003 Watercourse 1896ft



July 6, 2024

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Pond

Freshwater Forested/Shrub Wetland

Lake

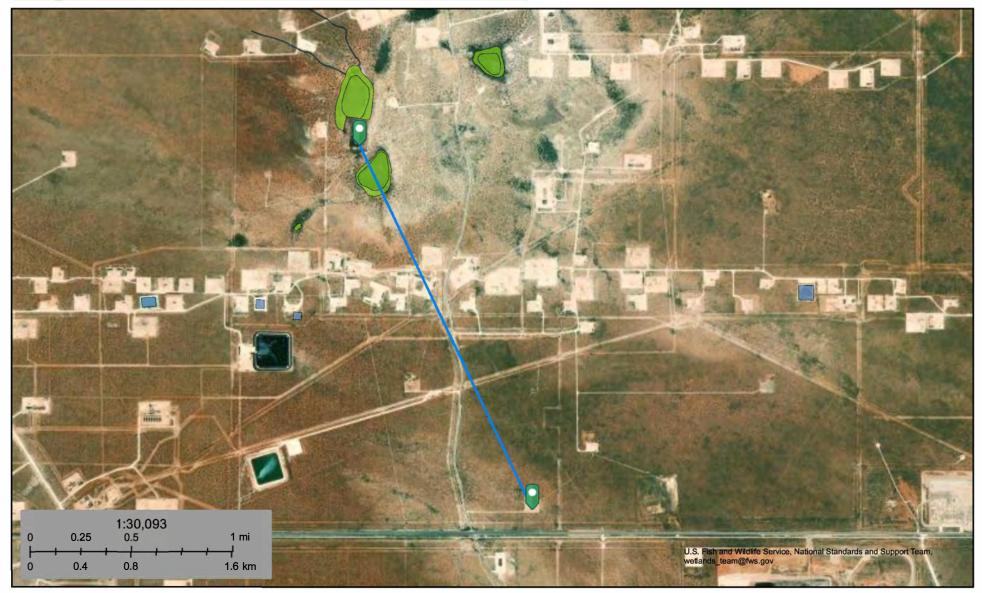
Other

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.



Jackson Unit #003 Pond 8,861ft



July 6, 2024

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Lake

Freshwater Forested/Shrub Wetland

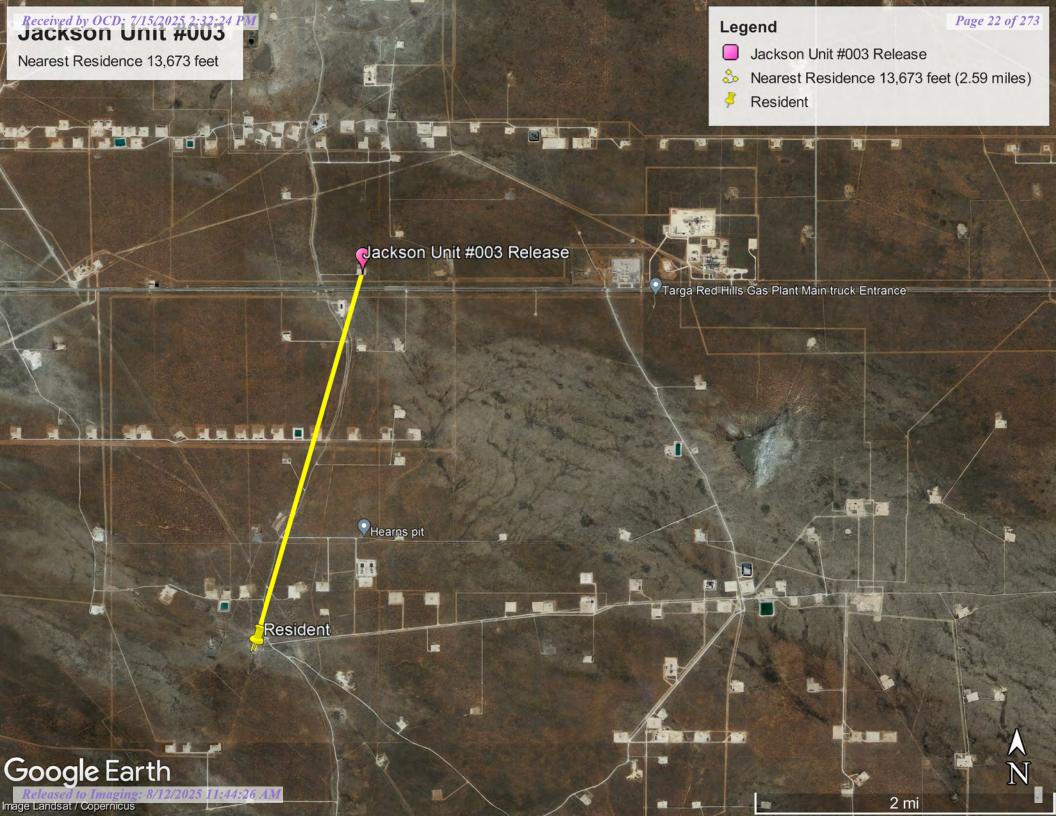


Other

Freshwater Pond



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.





New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

	(acre ft per	annum)		(R=POD has been replaced at no longer serves this file, C=the file is closed) Well	(quart	ers are 1=NW 2=NH ters are smallest to la			83 UTM in meters	s)
WR File Nbr <u>C 03585</u>		rsion Owner 0 INTERCONTINENTAL POTASH CORP	County POD Number LE C 03585 POD3	Tag Code Grant	Source	6416 4 Sec T 1 2 3 15 2		X 635393	Y 3565270	Distance 464
			LE <u>C 03585 POD2</u>			1 2 3 15 2	4S 33E	635418	3565363	550
			LE <u>C 03585 POD1</u>			3 4 1 15 2	4S 33E	635368	3565544	737
<u>C 03565</u>	CUB EXP	0 INTERCONTINENTAL POTASH CORP	LE <u>C 03565 POD8</u>			4 1 15 2	4S 33E	635484	3565610	791
<u>C 03585</u>	CUB EXP	0 INTERCONTINENTAL POTASH CORP	LE <u>C 03585 POD4</u>			4 4 1 15 2	4S 33E	635485	3565610	792
			LE <u>C 03585 POD5</u>			1 2 4 15 2	4S 33E	636245	3565387	937
<u>C 03565</u>	CUB EXP	0 INTERCONTINENTAL POTASH CORP	LE <u>C 03565 POD9</u>			4 4 15 2	4S 33E	636429	3565005	948
<u>C 03585</u>	CUB EXP	0 INTERCONTINENTAL POTASH CORP	LE <u>C 03585 POD6</u>			2 4 4 15 2	4S 33E	636431	3565007	950
<u>C 04339</u>	CUB MON	0 OWL LANDFILL SERVICES LLC	LE <u>C 04339 POD7</u>	NA		4 4 2 23 2	4S 33E	636473	3564011	1264
			LE <u>C 04339 POD8</u>			1 1 3 23 2	4S 33E	636518	3563681	1527
<u>C 03565</u>	CUB EXP	0 INTERCONTINENTAL POTASH CORP	LE <u>C 03565 POD6</u>			3 3 10 2	4S 33E	635022	3566373	1626
<u>C 04822</u>	CUB MON	0 TAP ROCK RESOURCES	LE <u>C 04822 POD1</u>	NA		2 2 3 16 2	4S 33E	633904	3565271	1658
<u>C 04339</u>	CUB MON	0 OWL LANDFILL SERVICES LLC	LE <u>C 04339 POD1</u>	NA		1 3 3 23 2	4S 33E	636525	3563309	1825
<u>C 03662</u>	C DOL	3 MARK MCCLOY (M&M RANCH)	LE <u>C 03662 POD1</u>		Shallow	v 3 1 2 23 2	4S 33E	637342	3564428	1883
<u>C 03727</u>	C PRO	0 EOG RESOURCES INC	LE <u>C 03662 POD1</u>		Shallow	v 3 1 2 23 2	4S 33E	637342	3564428	1883
<u>C 03728</u>	C PRO	0 EOG RESOURCES INC	LE <u>C 03662 POD1</u>		Shallow	v 3 1 2 23 2	4S 33E	637342	3564428	1883
<u>C 03729</u>	C PRO	0 EOG RESOURCES INC	LE <u>C 03662 POD1</u>		Shallow	v 3 1 2 23 2	4S 33E	637342	3564428	1883
<u>C 04339</u>	CUB MON	0 OWL LANDFILL SERVICES LLC	LE <u>C 04339 POD6</u>	NA		3 1 2 23 2	4S 33E	637340	3564386	1890
<u>C 04824</u>	CUB MON	0 TAP ROCK RESOURCES	LE <u>C 04824 POD1</u>	NA		1 1 2 16 2	4S 33E	634112	3566203	1960
<u>C 04339</u>	CUB MON	0 OWL LANDFILL SERVICES LLC	LE <u>C 04339 POD2</u>	NA		2 3 3 23 2	4S 33E	636789	3563315	1980

Record Count: 20

UTMNAD83 Radius Search (in meters):

Easting (X): 635500 **Northing (Y):** 3564819 **Radius:** 2000

Sorted by: Distance

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

7/6/24 8:36 AM ACTIVE & INACTIVE POINTS OF DIVERSION

Reserved by ACD: 7/15/2025 2:32:24 PM. Inm. ds/nmwrrs/ReportProxy?queryData=%7B"report"%3A"podByLocOwner"%2C%0A"PodNbrDiv"%3A"false"%2C%0A"WellTagDiv"%3A"false"%2C%0A"	A"Page 24 of 273



New Mexico Office of the State Engineer

Water Right Summary

WR File Number: C 03565

Subbasin: CUB

Cross Reference:

Primary Purpose: EXP

EXPLORATION

Primary Status:

Total Acres:

Subfile:

Header: -

Total Diversion:

Cause/Case:

Owner:

INTERCONTINENTAL POTASH CORP

Contact: TOM COPE

Documents on File

Status From/ To Trn# Doc File/Act 2 Transaction Desc. **Diversion Consumptive** 2012-08-07 PMT APR C 03565 Τ 0 0

Current Points of Diversion

(NAD83 UTM in meters)

			Q					Ì	,	
POD Number	Well Tag	Source	64 Q16	Q4	Sec	Tws	Rng	X	Y	Other Location Desc
<u>C 03565 POD1</u>			1	4	06	24S	33E	630871	3568316	ICP-083
<u>C 03565 POD2</u>			3	4	07	24S	33E	631156	3566515	ICP-084
C 03565 POD3			3	4	08	24S	33E	632763	3566546	ICP-085
<u>C 03565 POD4</u>			4	1	09	24S	33E	633672	3567057	ICP-086
<u>C 03565 POD5</u>			3	4	09	24S	33E	634135	3566496	ICP-87
C 03565 POD6			3	3	10	24S	33E	635022	3566373	ICP-089
<u>C 03565 POD7</u>			2	2	06	24S	33E	631361	3569250	ICP-090
C 03565 POD8			4	1	15	24S	33E	635485	3565610	ICP-092
<u>C 03565 POD9</u>			4	4	15	24S	33E	636430	3565005	ICP-093

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

7/6/24 8:41 AM WATER RIGHT SUMMARY

U.S. Fish and Wildlife Service National Wetlands Inventory

Jackson Unit #003 Wetland 6,225ft



June 29, 2024

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Pond

Freshwater Forested/Shrub Wetland

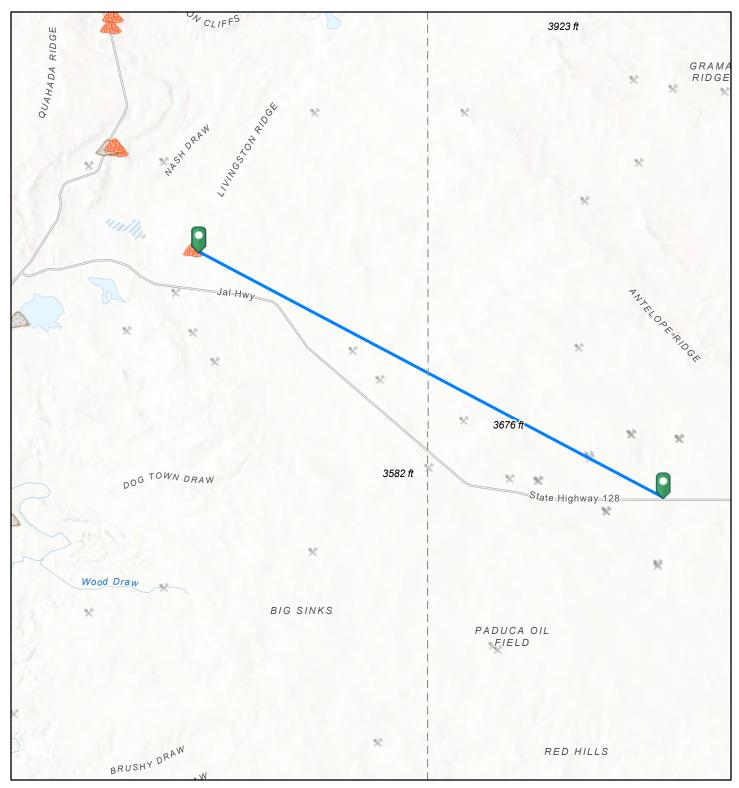
Lake

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.

Jackson Unit #003 Mine 112,00ft



10/28/2024, 1:50:19 PM

Registered Mines

3.25

2 Aggregate, Stone etc. 6.5 Aggregate, Stone etc. Potash

Aggregate, Stone etc. Salt

Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, METI/ NASA, USGS, EPA, NPS, USDA, USFWS, Esri, NASA, NGA, USGS

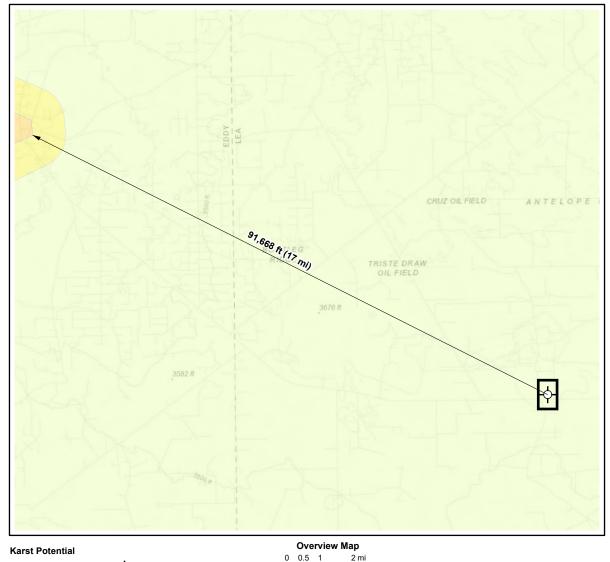
1:288,895

8 mi

13 km

Received by OCD: 7/15/2025 2:32:24 PM

Page 28 of 273





0 150 300

Karst Potential

Critical

Medium

Low

Map Center: Lat/Long 32.212196°,-103.562317°

Site Location __I Site Buffer (1000 ft)

> NAD 1983 UTM Zone 13N Date: Jul 03/24



Karst Potential Map Jackson Unit #003

Figure:

600 ft

X



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: Inset Map, Esri 2022; Overview Map: Esri World Topographic. Karst potential data sources from Roswell Field Office, Bureau of Land Management, 2020 or United States Department of the Interior, Bureau of Land Management, (2018). Karst Potential.

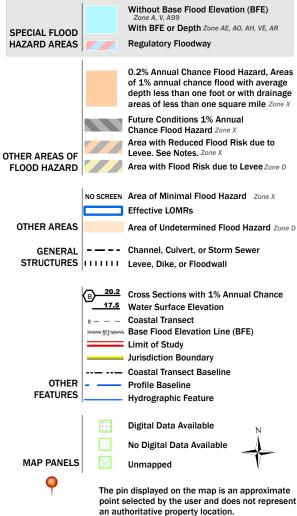
National Flood Hazard Layer FIRMette





Legend

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

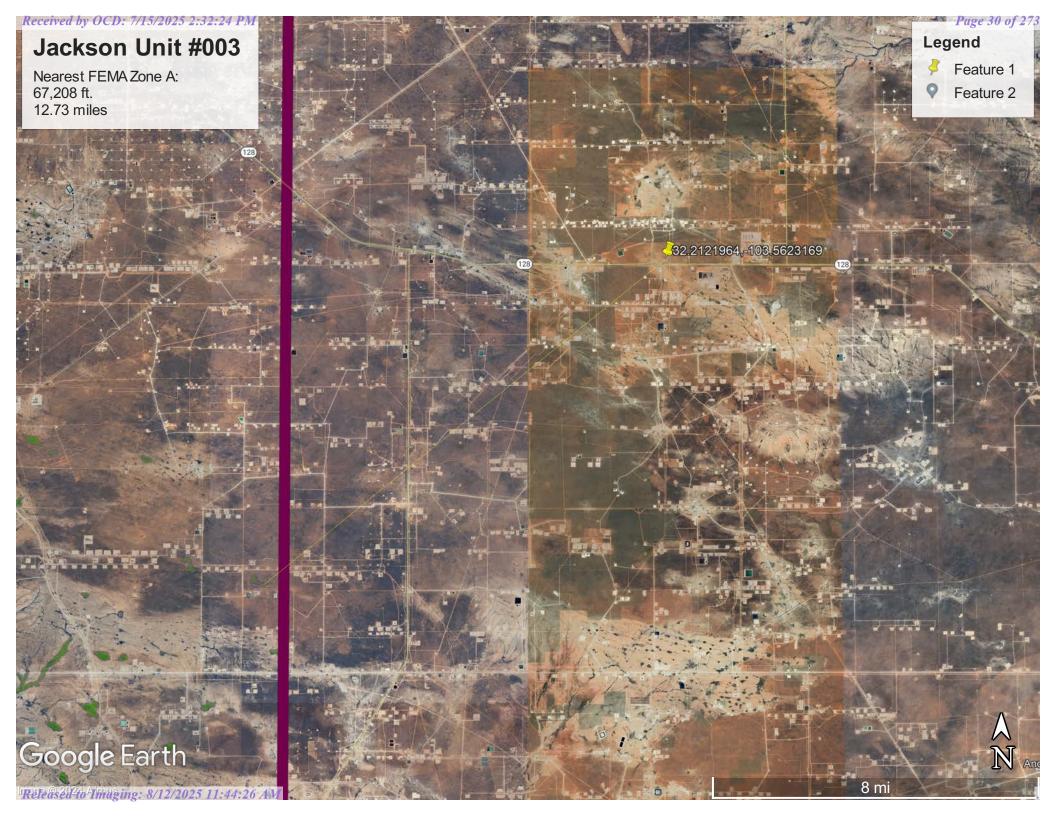


This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/29/2024 at 1:33 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.





Lea County, New Mexico

BH—Berino-Cacique association, hummocky

Map Unit Setting

National map unit symbol: dmpg Elevation: 3,000 to 4,400 feet

Mean annual precipitation: 10 to 13 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

Berino and similar soils: 50 percent Cacique and similar soils: 40 percent Minor components: 10 percent

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

Description of Berino

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 over

calcareous sandy alluvium derived from sedimentary rock

Typical profile

A - 0 to 10 inches: fine sand

Btk - 10 to 60 inches: sandy clay loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high

(0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 40 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: Moderate (about 8.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7c

Hydrologic Soil Group: B

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Description of Cacique

Setting

Landform: Plains

Landform position (three-dimensional): Rise

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

Parent material: Calcareous eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 7 inches: fine sand

Bt - 7 to 28 inches: sandy clay loam

Bkm - 28 to 38 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 20 to 40 inches to petrocalcic

Drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately

low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 40 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 3.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7c

Hydrologic Soil Group: C

Ecological site: R070BD004NM - Sandy

Hydric soil rating: No

Minor Components

Kermit

Percent of map unit: 4 percent

Ecological site: R070BD005NM - Deep Sand

Hydric soil rating: No

Maljamar

Percent of map unit: 3 percent

Ecological site: R077CY028TX - Limy Upland 16-21" PZ

Hydric soil rating: No

Palomas

Percent of map unit: 2 percent

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Dune land

Percent of map unit: 1 percent

Hydric soil rating: No

SR—Simona-Upton association

Map Unit Setting

National map unit symbol: dmr3 Elevation: 3,000 to 4,400 feet

Mean annual precipitation: 10 to 16 inches Mean annual air temperature: 58 to 62 degrees F

Frost-free period: 190 to 205 days

Farmland classification: Not prime farmland

Map Unit Composition

Simona and similar soils: 50 percent Upton and similar soils: 35 percent Minor components: 15 percent

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

Description of Simona

Setting

Landform: Ridges

Landform position (two-dimensional): Shoulder Landform position (three-dimensional): Rise

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

Parent material: Calcareous eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 8 inches: gravelly fine sandy loam Bk - 8 to 16 inches: fine sandy loam Bkm - 16 to 26 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 7 to 20 inches to petrocalcic

Drainage class: Well drained Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately

low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 50 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: Very low (about 1.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: D

Ecological site: R070BD002NM - Shallow Sandy

Hydric soil rating: No

Description of Upton

Setting

Landform: Ridges

Landform position (two-dimensional): Shoulder Landform position (three-dimensional): Rise

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

Parent material: Calcareous eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 8 inches: gravelly loam

Bkm - 8 to 18 inches: cemented material BCk - 18 to 60 inches: very gravelly loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 7 to 20 inches to petrocalcic

Drainage class: Well drained Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high

(0.01 to 0.60 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 75 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: Very low (about 0.9 inches)

Interpretive groups

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

Hydrologic Soil Group: D

Ecological site: R070BC025NM - Shallow

Hydric soil rating: No

Minor Components

Kimbrough

Percent of map unit: 6 percent

Ecological site: R077CY037TX - Very Shallow 16-21" PZ

Hydric soil rating: No

Stegall

Percent of map unit: 5 percent

Ecological site: R077CY028TX - Limy Upland 16-21" PZ

Hydric soil rating: No

Slaughter

Percent of map unit: 4 percent

Ecological site: R077CY028TX - Limy Upland 16-21" PZ

APPENDIX B – Daily Field Reports

Daily Site Visit Report



Site Photos

Viewing Direction: Southeast



Northwest corner of western excavation facing southeast.

Viewing Direction: Northwest



Southeast corner of western excavation facing northwest.

Viewing Direction: Northeast



Southwest corner of western excavation facing northeast.

Viewing Direction: Southwest



Northeast corner of western excavation facing southwest.







Northwest corner of eastern excavation facing southeast.



Southwest corner of eastern excavation facing northeast.

Viewing Direction: Northwest



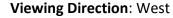
Southeast corner of eastern excavation facing northwest.

Viewing Direction: Southwest



Northeast corner of eastern excavation facing southwest.







The south 4 ft excavation wall of the western excavation where WES24-01 at 0-4' was collected.

Viewing Direction: North



The west 4 ft excavation wall of the western excavation where WES24-02 at 0-4' was collected.

Viewing Direction: West



The north 4 ft excavation wall of the western excavation where WES24-03 at 0-4' was collected.

Viewing Direction: South



The east 4 ft excavation wall of the western excavation where WES24-04 at 0-4' was collected.







The south and west excavation walls of the 8 ft excavation where WES24-05 was collected.



The north and and east excavation walls of the 8 ft excavation where WES24-06 was collected.

Viewing Direction: Northeast



The north, east, and south excavation walls of the 6 ft excavation where WES24-07 was collected.

Viewing Direction: Southeast



The north, east, and south excavation walls of the 6 ft excavation where WES24-07 was collected.





Area where BES24-01 was collected at 4' bgs.



Area where BES24-02 was collected at 4' bgs.



Area where BES24-03 was collected at 4' bgs.



Area where BES24-04 was collected at 8' bgs.





Area where BES24-05 was collected at 6' bgs.



The south 4 ft excavation wall of the eastern excavation where WES24-08 at 0-4' was collected.



The west 4 ft excavation wall of the eastern excavation where WES24-09 at 0-4' was collected.



The north 4 ft excavation wall of the eastern excavation where WES24-03 at 0-4' was collected.





The east 4 ft excavation wall of the eastern excavation where WES24-04 at 0-4' was collected.



Area where BES24-06 was collected at 4' bgs.



Area where BES24-07 was collected at 4' bgs.



Area where BES24-08 was collected at 4' bgs.



Site Photos



Northwest corner of one call.



Southeast corner of one call.



Northeast corner of one call.



Southwest corner of one call.







Northwest corner of western excavation facing southeast.



Southwest corner of western excavation facing northeast.

Viewing Direction: Northwest



Southeast corner of western excavation facing northwest.

Viewing Direction: Southwest



Northeast corner of western excavation facing southwest.







Northwest corner of eastern excavation facing southeast.

Viewing Direction: Northeast

Southwest corner of eastern excavation facing northeast.

Viewing Direction: Northwest



Southeast corner of eastern excavation facing northwest.

Viewing Direction: Southwest



Northeast corner of eastern excavation facing southwest.







The north 4 ft excavation wall of the western excavation where WES24-16 at 0-4' was collected.

Viewing Direction: West



The south 4 ft excavation wall of the western excavation where WES24-15 at 0-4' was collected.

Viewing Direction: South



The west 4 ft excavation wall of the western excavation where WES24-13 at 0-4' was collected.

Viewing Direction: South



The east 4 ft excavation wall of the western excavation where WES24-04 at 0-4' was collected.







The south and west excavation walls of the 8 ft excavation where WES24-05 was collected.

Viewing Direction: Northeast

The north and east excavation walls of the 8 ft excavation where WES24-06 was collected.

Viewing Direction: East



The north, east, and south excavation walls of the 6 ft excavation where WES24-07 was collected.

Viewing Direction: South



Area where BES24-01 and -09 were collected at 4' bgs.





Area where BES24-02 was collected at 4' bgs.



Area where BES24-03 and -10 were collected at 4' bgs.



Area where BES24-04 was collected at 8' bgs.



Area where BES24-05 was collected at 6' bgs.







The south 4 ft excavation wall of the eastern excavation where WES24-08 at 0-4' was collected.

Viewing Direction: North



The west 4 ft excavation wall of the eastern excavation where WES24-09 at 0-4' was collected.

Viewing Direction: East



The north 4 ft excavation wall of the eastern excavation where WES24-10 at 0-4' was collected.

Viewing Direction: Northeast



The east 4 ft excavation wall of the eastern excavation where WES24-11 at 0-4' was collected.





Area where BES24-06 was collected at 4' bgs.



Area where BES24-07 was collected at 4' bgs.



Area where BES24-08 was collected at 4' bgs.



Client:	Tap Rock	Inspection Date:	9/4/2024
Site Location Name:	Jackson Unit #003	Report Run Date:	9/4/2024 11:56 PM
Client Contact Name:	Bill Ramsey	API #:	
Client Contact Phone #:	720-238-2787	_	
Unique Project ID		— Project Owner:	
Project Reference #		Project Manager:	
Summary of Times			
Arrived at Site	9/4/2024 7:22 AM		
Departed Site	9/4/2024 1:00 PM		
Field Notes			

- 8:02 Arrived on site, completed JSA and held a saftey brief along with the scope of work that needed to be done with the crew from APECK.
- **8:03** On site today to continue the ongoing excavation.
- **15:42** BS24-01 was pushed to 5ft bgs. WS24-11 was pushed out approximately 2ft. WS24-15 was pushed out approximately 3-4ft. WS24-16 was pushed out approximately 3-4ft.
- **15:44** 10 samples were collected during the excavation today. All samples were screened for TPH using a Dexsil Petroflag and the clean samples (4 samples) were screened for chlorides using silver nitrate titration.
- 15:45 4 samples were jarred in preparation to be sent to Envirotech laboratory for further analysis.
- 15:45 All walls and bases of the east and west excavation meet NMOCD closure criteria.

Next Steps & Recommendations

1 Proceed with confirmation sampling.



Site Photos

Viewing Direction: Southeast



WES24-15 at 0-5ft bgs. Located on the south wall of the 5ft excavation.

Viewing Direction: East



BES24-01 at 5ft bgs.

Viewing Direction: Northeast



WES24-16 at 0-5ft bgs. Located on the north wall of the 5ft excavation.

Viewing Direction: Northwest



Overview of the 5ft excavation, viewed from the southeast corner.





Overview of the 5ft excavation viewed from the the western wall.



WES24-11 at 0-4ft bgs inside the 4ft excavation.



Overview of the 4ft bgs excavation viewed from the northeast corner.



Overview of the 4ft bgs excavation, viewed from the southwest corner.







Soil pile sitting on top of a plastic liner.
Approximately 80-120 cubic yards of soil.



The entire excavation has been fenced off for safety purposes after work was completed for the day.





Smaller soil pile next to the 4ft excavation.















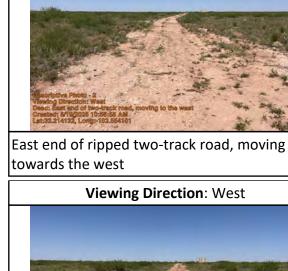




Site Photos



East end of ripped two-track road





East half of ripped two-track road, moving towards the west



Viewing Direction: West

East half of ripped two-track road, moving towards the west





East half of ripped two-track road, moving towards the west



East half of ripped two-track road, moving towards the west



East end of two-track road, moving towards the west



Ripped two-track road, south of north pad





Ripped two-track road, south of north pad



Ripped two-track, south of north pad, heading towards pad/pit



Ripped two-track road heading west towards pad/pit



Ripped two-track road heading west towards pad/pit





Ripped two-track heading west towards pad/pit



Ripped two-track heading west towards pad/pit



Ripped two-track heading west towards pad/pit



Ripped two-track road heading west towards pad/pit





Ripped two-track heading west towards pad/pit



Northeast corner of reclaimed pad facing west.



Northeast corner of reclaimed pad facing south



North, center of reclaimed pad facing south towards plugged wellhead





North, center of reclaimed pad facing west



North, center of reclaimed pad facing northwest.



Northeast corner of reclaimed pad facing southwest



Powered by www.krinkleldar.com Page 9 of 15

Run on 5/19/2025 11:29 PM UTC





Northwest corner of reclaimed pad facing southeast



Northwest corner of reclaimed pad facing south



Southwest corner of reclaimed pad facing northeast



West, center of reclaimed pad facing east towards plugged wellhead





West, center of reclaimed pad facing east towards plugged wellhead



Southwest corner of reclaimed pad facing northeast



Southwest corner of reclaimed pad facing east



South, center of reclaimed pad facing north towards plugged wellhead





Southeast corner of reclaimed pad facing west



Southeast corner of reclaimed pad facing north



East, center of reclaimed pad facing west towards plugged wellhead



Reclaimed access road facing west





Reclaimed access road moving to the west



Reclaimed access road moving to the west



Reclaimed access road moving to the west

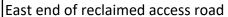


Reclaimed access road moving to the west

Daily Site Visit Report





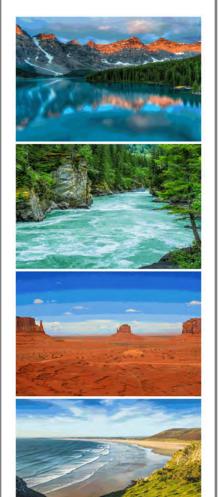




West end of reclaimed access road

APPENDIX C – Laboratory Data Report(s) and Chain of Custody Form(s)

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 Unit #003

Work Order: E407052

Job Number: 24015-001

Received: 7/10/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 7/11/24

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: 7/11/24

Chance Dixon 3101 Boyd Drive Carlsbad, NM 88220

Project Name: Jackson Unit #003

Workorder: E407052

Date Received: 7/10/2024 8:30:00AM

Chance Dixon,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/10/2024 8:30:00AM, under the Project Name: Jackson Unit #003.

The analytical test results summarized in this report with the Project Name: Jackson Unit #003 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 Unit #003	Donoutoda
3101 Boyd Drive	Project Number:	24015-001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	07/11/24 13:18

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH24-01 0'	E407052-01A	Soil	07/04/24	07/10/24	Glass Jar, 2 oz.
BH24-01 1'	E407052-02A	Soil	07/04/24	07/10/24	Glass Jar, 2 oz.
BH24-01 2'	E407052-03A	Soil	07/04/24	07/10/24	Glass Jar, 2 oz.
BH24-01 3'	E407052-04A	Soil	07/04/24	07/10/24	Glass Jar, 2 oz.
BH24-01 4'	E407052-05A	Soil	07/04/24	07/10/24	Glass Jar, 2 oz.
BH24-02 0'	E407052-06A	Soil	07/04/24	07/10/24	Glass Jar, 2 oz.
BH24-02 1'	E407052-07A	Soil	07/04/24	07/10/24	Glass Jar, 2 oz.
BH24-02 2'	E407052-08A	Soil	07/04/24	07/10/24	Glass Jar, 2 oz.
BH24-02 3'	E407052-09A	Soil	07/04/24	07/10/24	Glass Jar, 2 oz.
BH24-02 4'	E407052-10A	Soil	07/04/24	07/10/24	Glass Jar, 2 oz.
BH24-03 0'	E407052-11A	Soil	07/04/24	07/10/24	Glass Jar, 2 oz.
BH24-03 1'	E407052-12A	Soil	07/04/24	07/10/24	Glass Jar, 2 oz.
BH24-03 2'	E407052-13A	Soil	07/04/24	07/10/24	Glass Jar, 2 oz.
BH24-03 3'	E407052-14A	Soil	07/04/24	07/10/24	Glass Jar, 2 oz.
BH24-04 0'	E407052-15A	Soil	07/04/24	07/10/24	Glass Jar, 2 oz.
BH24-04 1'	E407052-16A	Soil	07/04/24	07/10/24	Glass Jar, 2 oz.
BH24-04 2'	E407052-17A	Soil	07/04/24	07/10/24	Glass Jar, 2 oz.
BH24-04 3'	E407052-18A	Soil	07/04/24	07/10/24	Glass Jar, 2 oz.
BH24-05 0'	E407052-19A	Soil	07/04/24	07/10/24	Glass Jar, 2 oz.
BH24-05 1'	E407052-20A	Soil	07/04/24	07/10/24	Glass Jar, 2 oz.

Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	24015-001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	7/11/2024 1:18:27PM

BH24-01 0' E407052-01

	E40/032-01				
Result			Prepared	Analyzed	Notes
			•		Batch: 2428053
			-		Batch: 2428033
ND	0.0250	1			
ND	0.0250	1	07/10/24	07/11/24	
ND	0.0250	1	07/10/24	07/11/24	
ND	0.0250	1	07/10/24	07/11/24	
ND	0.0500	1	07/10/24	07/11/24	
ND	0.0250	1	07/10/24	07/11/24	
	90.1 %	70-130	07/10/24	07/11/24	
mg/kg	mg/kg	Analyst: BA			Batch: 2428053
ND	20.0	1	07/10/24	07/11/24	
	96.5 %	70-130	07/10/24	07/11/24	
mg/kg	mg/kg	Anal	yst: NV		Batch: 2428049
ND	25.0	1	07/10/24	07/10/24	
ND	50.0	1	07/10/24	07/10/24	
	93.6 %	50-200	07/10/24	07/10/24	
mg/kg	mg/kg	Anal	yst: DT		Batch: 2428057
42.2	20.0	1	07/10/24	07/10/24	
	ND ND ND 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 MD 0.0250 MD 20.0250 MD 20.0 96.5 % mg/kg MD 25.0 ND 50.0 93.6 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Anal 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 90.1 % 70-130 mg/kg mg/kg Anal ND 20.0 1 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 93.6 % 50-200 mg/kg mg/kg Anal	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 07/10/24 ND 0.0250 1 07/10/24 ND 0.0250 1 07/10/24 ND 0.0500 1 07/10/24 ND 0.0250 1 07/10/24 ND 0.0250 1 07/10/24 mg/kg mg/kg Analyst: BA ND 20.0 1 07/10/24 mg/kg mg/kg Analyst: NV ND 25.0 1 07/10/24 ND 50.0 1 07/10/24 ND 50.0 1 07/10/24 ND 50.0 1 07/10/24 ND 50.0 07/10/24 Mg/kg Mg/kg Analyst: DT	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 07/10/24 07/11/24 ND 0.0250 1 07/10/24 07/11/24 ND 0.0250 1 07/10/24 07/11/24 ND 0.0500 1 07/10/24 07/11/24 ND 0.0500 1 07/10/24 07/11/24 ND 0.0250 1 07/10/24 07/11/24 mg/kg mg/kg Analyst: BA ND 20.0 1 07/10/24 07/11/24 mg/kg mg/kg Analyst: BA ND 20.0 1 07/10/24 07/11/24 mg/kg mg/kg Analyst: NV ND 25.0 1 07/10/24 07/10/24 ND 50.0 1 07/10/24 07/10/24 ND 50.0 1 07/10/24 07/10/24

Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	24015-001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	7/11/2024 1:18:27PM

BH24-01 1' E407052-02

		E-10/032-02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2428053
Benzene	ND	0.0250	1	07/10/24	07/11/24	
Ethylbenzene	ND	0.0250	1	07/10/24	07/11/24	
Toluene	ND	0.0250	1	07/10/24	07/11/24	
o-Xylene	ND	0.0250	1	07/10/24	07/11/24	
p,m-Xylene	ND	0.0500	1	07/10/24	07/11/24	
Total Xylenes	ND	0.0250	1	07/10/24	07/11/24	
Surrogate: 4-Bromochlorobenzene-PID		91.5 %	70-130	07/10/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg Analyst: BA		yst: BA		Batch: 2428053
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.3 %	70-130	07/10/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2428049
Diesel Range Organics (C10-C28)	ND	25.0	1	07/10/24	07/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/24	07/10/24	
Surrogate: n-Nonane		93.4 %	50-200	07/10/24	07/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2428057
Chloride	ND	20.0	1	07/10/24	07/10/24	



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	24015-001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	7/11/2024 1:18:27PM

BH24-01 2' E407052-03

	E-107032-03				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA		Batch: 2428053
ND	0.0250	1	07/10/24	07/11/24	
ND	0.0250	1	07/10/24	07/11/24	
ND	0.0250	1	07/10/24	07/11/24	
ND	0.0250	1	07/10/24	07/11/24	
ND	0.0500	1	07/10/24	07/11/24	
ND	0.0250	1	07/10/24	07/11/24	
	92.0 %	70-130	07/10/24	07/11/24	
mg/kg	g mg/kg Ana		Analyst: BA		Batch: 2428053
ND	20.0	1	07/10/24	07/11/24	
	95.6 %	70-130	07/10/24	07/11/24	
mg/kg	mg/kg	Anal	yst: NV		Batch: 2428049
ND	25.0	1	07/10/24	07/10/24	
ND	50.0	1	07/10/24	07/10/24	
	88.6 %	50-200	07/10/24	07/10/24	
mg/kg	mg/kg	Anal	yst: DT		Batch: 2428057
	mg/kg ND ND ND ND ND ND ND MD ND ND	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 MD 0.0250 MD 0.0250 mg/kg mg/kg ND 20.0 95.6 % mg/kg ND 25.0 ND 50.0 88.6 %	Reporting Result Limit Dilution mg/kg mg/kg Anal 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 92.0 % 70-130 mg/kg mg/kg Anal ND 20.0 1 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 88.6 % 50-200	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 07/10/24 ND 0.0250 1 07/10/24 ND 0.0250 1 07/10/24 ND 0.0500 1 07/10/24 ND 0.0250 1 07/10/24 ND 0.0250 1 07/10/24 mg/kg mg/kg Analyst: BA ND 20.0 1 07/10/24 mg/kg mg/kg Analyst: NV ND 25.6 % 70-130 07/10/24 ND 25.0 1 07/10/24 ND 50.0 1 07/10/24 ND 50.0 1 07/10/24 88.6 % 50-200 07/10/24	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 07/10/24 07/11/24 ND 0.0250 1 07/10/24 07/11/24 ND 0.0250 1 07/10/24 07/11/24 ND 0.0500 1 07/10/24 07/11/24 ND 0.0250 1 07/10/24 07/11/24 ND 0.0250 1 07/10/24 07/11/24 MD 0.0250 1 07/10/24 07/11/24 mg/kg mg/kg Analyst: BA ND 20.0 1 07/10/24 07/11/24 mg/kg mg/kg Analyst: NV ND 25.0 1 07/10/24 07/10/24 ND 25.0 1 07/10/24 07/10/24 ND 50.0 1 07/10/24 07/10/24 ND 50.0 1 07/10/24



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	24015-001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	7/11/2024 1:18:27PM

BH24-01 3' E407052-04

		E40/032-04				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2428053
Benzene	ND	0.0250	1	07/10/24	07/11/24	
Ethylbenzene	ND	0.0250	1	07/10/24	07/11/24	
Toluene	ND	0.0250	1	07/10/24	07/11/24	
o-Xylene	ND	0.0250	1	07/10/24	07/11/24	
p,m-Xylene	ND	0.0500	1	07/10/24	07/11/24	
Total Xylenes	ND	0.0250	1	07/10/24	07/11/24	
Surrogate: 4-Bromochlorobenzene-PID		92.5 %	70-130	07/10/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: BA			Batch: 2428053
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.5 %	70-130	07/10/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2428049
Diesel Range Organics (C10-C28)	ND	25.0	1	07/10/24	07/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/24	07/10/24	
Surrogate: n-Nonane		95.6 %	50-200	07/10/24	07/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2428057
Chloride	ND	20.0	1	07/10/24	07/10/24	



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	24015-001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	7/11/2024 1:18:27PM

BH24-01 4' E407052-05

		E40/052-05				
Analyte	Result	Reporting Limit	Dilution	Duamanad	Amalyzad	Notes
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	Analyst: BA		Batch: 2428053
Benzene	ND	0.0250	1	07/10/24	07/11/24	
Ethylbenzene	ND	0.0250	1	07/10/24	07/11/24	
Toluene	ND	0.0250	1	07/10/24	07/11/24	
o-Xylene	ND	0.0250	1	07/10/24	07/11/24	
p,m-Xylene	ND	0.0500	1	07/10/24	07/11/24	
Total Xylenes	ND	0.0250	1	07/10/24	07/11/24	
Surrogate: 4-Bromochlorobenzene-PID		92.4 %	70-130	07/10/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	Analyst: BA		Batch: 2428053
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.6 %	70-130	07/10/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2428049
Diesel Range Organics (C10-C28)	ND	25.0	1	07/10/24	07/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/24	07/10/24	
Surrogate: n-Nonane		97.7 %	50-200	07/10/24	07/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2428057
Chloride	ND	20.0	1	07/10/24	07/10/24	



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	24015-001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	7/11/2024 1:18:27PM

BH24-02 0'

		E407052-06				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2428053
Benzene	ND	0.0250	1	07/10/24	07/11/24	
Ethylbenzene	ND	0.0250	1	07/10/24	07/11/24	
Toluene	ND	0.0250	1	07/10/24	07/11/24	
o-Xylene	ND	0.0250	1	07/10/24	07/11/24	
p,m-Xylene	ND	0.0500	1	07/10/24	07/11/24	
Total Xylenes	ND	0.0250	1	07/10/24	07/11/24	
Surrogate: 4-Bromochlorobenzene-PID		91.6 %	70-130	07/10/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2428053
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.3 %	70-130	07/10/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: NV		Batch: 2428049
Diesel Range Organics (C10-C28)	ND	25.0	1	07/10/24	07/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/24	07/10/24	
Surrogate: n-Nonane		96.2 %	50-200	07/10/24	07/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: DT		Batch: 2428057
Chloride	ND	20.0	1	07/10/24	07/10/24	



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	24015-001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	7/11/2024 1:18:27PM

BH24-02 1' E407052-07

		E40/032-0/				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Resuit	Limit	Dilution	Frepared	Anatyzeu	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2428053
Benzene	ND	0.0250	1	07/10/24	07/11/24	
Ethylbenzene	ND	0.0250	1	07/10/24	07/11/24	
Toluene	ND	0.0250	1	07/10/24	07/11/24	
o-Xylene	ND	0.0250	1	07/10/24	07/11/24	
p,m-Xylene	ND	0.0500	1	07/10/24	07/11/24	
Total Xylenes	ND	0.0250	1	07/10/24	07/11/24	
Surrogate: 4-Bromochlorobenzene-PID		91.7 %	70-130	07/10/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	Analyst: BA		Batch: 2428053
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.6 %	70-130	07/10/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	Analyst: NV		Batch: 2428049
Diesel Range Organics (C10-C28)	ND	25.0	1	07/10/24	07/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/24	07/10/24	
Surrogate: n-Nonane		95.8 %	50-200	07/10/24	07/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2428057
Chloride	ND	20.0	1	07/10/24	07/10/24	



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	24015-001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	7/11/2024 1:18:27PM

BH24-02 2' E407052-08

		E40/032-06				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Time, ye	Ttoball			•	111111111111111111111111111111111111111	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	/st: BA		Batch: 2428053
Benzene	ND	0.0250	1	07/10/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/10/24	07/10/24	
Toluene	ND	0.0250	1	07/10/24	07/10/24	
o-Xylene	ND	0.0250	1	07/10/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/10/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/10/24	07/10/24	
Surrogate: 4-Bromochlorobenzene-PID		91.5 %	70-130	07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2428053
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.3 %	70-130	07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2428049
Diesel Range Organics (C10-C28)	45.7	25.0	1	07/10/24	07/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/24	07/10/24	
Surrogate: n-Nonane		93.3 %	50-200	07/10/24	07/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2428057
Chloride	ND	20.0	1	07/10/24	07/10/24	



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	24015-001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	7/11/2024 1:18:27PM

BH24-02 3' E407052-09

		E40/032-09				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	Analyst: BA		Batch: 2428053
Benzene	ND	0.0250	1	07/10/24	07/11/24	
Ethylbenzene	ND	0.0250	1	07/10/24	07/11/24	
Toluene	ND	0.0250	1	07/10/24	07/11/24	
o-Xylene	ND	0.0250	1	07/10/24	07/11/24	
p,m-Xylene	ND	0.0500	1	07/10/24	07/11/24	
Total Xylenes	ND	0.0250	1	07/10/24	07/11/24	
Surrogate: 4-Bromochlorobenzene-PID		92.3 %	70-130	07/10/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	Analyst: BA		Batch: 2428053
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.3 %	70-130	07/10/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2428049
Diesel Range Organics (C10-C28)	169	25.0	1	07/10/24	07/10/24	
Oil Range Organics (C28-C36)	79.2	50.0	1	07/10/24	07/10/24	
Surrogate: n-Nonane		95.3 %	50-200	07/10/24	07/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: DT		Batch: 2428057
Chloride	ND	20.0	1	07/10/24	07/10/24	



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	24015-001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	7/11/2024 1:18:27PM

BH24-02 4' E407052-10

		E40/032-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	Analyst: BA		Batch: 2428053
Benzene	ND	0.0250	1	07/10/24	07/11/24	
Ethylbenzene	ND	0.0250	1	07/10/24	07/11/24	
Toluene	ND	0.0250	1	07/10/24	07/11/24	
o-Xylene	ND	0.0250	1	07/10/24	07/11/24	
p,m-Xylene	ND	0.0500	1	07/10/24	07/11/24	
Total Xylenes	ND	0.0250	1	07/10/24	07/11/24	
Surrogate: 4-Bromochlorobenzene-PID		92.1 %	70-130	07/10/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	Analyst: BA		Batch: 2428053
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.4 %	70-130	07/10/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2428049
Diesel Range Organics (C10-C28)	321	25.0	1	07/10/24	07/10/24	
Oil Range Organics (C28-C36)	116	50.0	1	07/10/24	07/10/24	
Surrogate: n-Nonane		99.7 %	50-200	07/10/24	07/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2428057
Chloride	ND	20.0	1	07/10/24	07/10/24	



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	24015-001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	7/11/2024 1:18:27PM

BH24-03 0'

		E407052-11					
Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2428053	
Benzene	ND	0.0250	1	07/10/24	07/11/24		
Ethylbenzene	ND	0.0250	1	07/10/24	07/11/24		
Toluene	ND	0.0250	1	07/10/24	07/11/24		
p-Xylene	ND	0.0250	1	07/10/24	07/11/24		
o,m-Xylene	ND	0.0500	1	07/10/24	07/11/24		
Total Xylenes	ND	0.0250	1	07/10/24	07/11/24		
Surrogate: 4-Bromochlorobenzene-PID		92.7 %	70-130	07/10/24	07/11/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2428053	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/11/24		
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.1 %	70-130	07/10/24	07/11/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: NV		Batch: 2428049	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/10/24	07/10/24		
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/24	07/10/24		
Surrogate: n-Nonane		100 %	50-200	07/10/24	07/10/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: DT		Batch: 2428057	
Chloride	ND	20.0	1	07/10/24	07/10/24		



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	24015-001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	7/11/2024 1:18:27PM

BH24-03 1'

		E407052-12					
Reporting							
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2428053	
Benzene	ND	0.0250	1	07/10/24	07/11/24		
Ethylbenzene	ND	0.0250	1	07/10/24	07/11/24		
Toluene	ND	0.0250	1	07/10/24	07/11/24		
o-Xylene	ND	0.0250	1	07/10/24	07/11/24		
o,m-Xylene	ND	0.0500	1	07/10/24	07/11/24		
Total Xylenes	ND	0.0250	1	07/10/24	07/11/24		
Surrogate: 4-Bromochlorobenzene-PID		92.7 %	70-130	07/10/24	07/11/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2428053	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/11/24		
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.7 %	70-130	07/10/24	07/11/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2428049	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/10/24	07/10/24		
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/24	07/10/24		
Surrogate: n-Nonane		102 %	50-200	07/10/24	07/10/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2428057	
Chloride	ND	20.0	1	07/10/24	07/10/24		



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/11/20241:18:27PM

BH24-03 2' E407052-13

		E40/052-13				
	D 1	Reporting	D.1:	D 1		N.
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2428053
Benzene	ND	0.0250	1	07/10/24	07/11/24	
Ethylbenzene	ND	0.0250	1	07/10/24	07/11/24	
Toluene	ND	0.0250	1	07/10/24	07/11/24	
o-Xylene	ND	0.0250	1	07/10/24	07/11/24	
p,m-Xylene	ND	0.0500	1	07/10/24	07/11/24	
Total Xylenes	ND	0.0250	1	07/10/24	07/11/24	
Surrogate: 4-Bromochlorobenzene-PID		92.5 %	70-130	07/10/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2428053
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.6 %	70-130	07/10/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2428049
Diesel Range Organics (C10-C28)	ND	25.0	1	07/10/24	07/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/24	07/11/24	
Surrogate: n-Nonane		92.9 %	50-200	07/10/24	07/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2428057
Chloride	ND	20.0	1	07/10/24	07/10/24	



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	24015-001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	7/11/2024 1:18:27PM

BH24-03 3' E407052-14

		E40/032-14				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA	<u> </u>	Batch: 2428053
Benzene	ND	0.0250	1	07/10/24	07/11/24	
Ethylbenzene	ND	0.0250	1	07/10/24	07/11/24	
Toluene	ND	0.0250	1	07/10/24	07/11/24	
o-Xylene	ND	0.0250	1	07/10/24	07/11/24	
p,m-Xylene	ND	0.0500	1	07/10/24	07/11/24	
Total Xylenes	ND	0.0250	1	07/10/24	07/11/24	
Surrogate: 4-Bromochlorobenzene-PID		92.7 %	70-130	07/10/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2428053
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.9 %	70-130	07/10/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2428049
Diesel Range Organics (C10-C28)	ND	25.0	1	07/10/24	07/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/24	07/11/24	
Surrogate: n-Nonane		87.6 %	50-200	07/10/24	07/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2428057
Chloride	ND	20.0	1	07/10/24	07/10/24	



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	24015-001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	7/11/2024 1:18:27PM

BH24-04 0' E407052-15

		E40/032-13				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
				•	,	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2428053
Benzene	ND	0.0250	1	07/10/24	07/11/24	
Ethylbenzene	ND	0.0250	1	07/10/24	07/11/24	
Toluene	ND	0.0250	1	07/10/24	07/11/24	
o-Xylene	ND	0.0250	1	07/10/24	07/11/24	
p,m-Xylene	ND	0.0500	1	07/10/24	07/11/24	
Total Xylenes	ND	0.0250	1	07/10/24	07/11/24	
Surrogate: 4-Bromochlorobenzene-PID		92.8 %	70-130	07/10/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2428053
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.3 %	70-130	07/10/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2428049
Diesel Range Organics (C10-C28)	ND	25.0	1	07/10/24	07/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/24	07/11/24	
Surrogate: n-Nonane		98.2 %	50-200	07/10/24	07/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2428057
Chloride	ND	20.0	1	07/10/24	07/10/24	



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	24015-001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	7/11/2024 1:18:27PM

BH24-04 1' E407052-16

	E407032 10				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA		Batch: 2428053
ND	0.0250	1	07/10/24	07/11/24	
ND	0.0250	1	07/10/24	07/11/24	
ND	0.0250	1	07/10/24	07/11/24	
ND	0.0250	1	07/10/24	07/11/24	
ND	0.0500	1	07/10/24	07/11/24	
ND	0.0250	1	07/10/24	07/11/24	
	93.1 %	70-130	07/10/24	07/11/24	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2428053
ND	20.0	1	07/10/24	07/11/24	
	96.9 %	70-130	07/10/24	07/11/24	
mg/kg	mg/kg	Anal	yst: NV		Batch: 2428049
ND	25.0	1	07/10/24	07/11/24	
ND	50.0	1	07/10/24	07/11/24	
	94.5 %	50-200	07/10/24	07/11/24	
mg/kg	mg/kg	Anal	yst: DT		Batch: 2428057
ND	20.0	1	07/10/24	07/10/24	
	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 0.0250 MD 20.0 96.9 % mg/kg MD 25.0 ND 50.0 94.5 % mg/kg mg/kg mg/kg	mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 93.1 % 70-130 mg/kg mg/kg Anal ND 20.0 1 96.9 % 70-130 1 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 94.5 % 50-200 mg/kg mg/kg Anal	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 07/10/24 ND 0.0250 1 07/10/24 ND 0.0250 1 07/10/24 ND 0.0250 1 07/10/24 ND 0.0500 1 07/10/24 ND 0.0250 1 07/10/24 mg/kg mg/kg Analyst: BA ND 20.0 1 07/10/24 mg/kg mg/kg Analyst: NV ND 25.0 1 07/10/24 ND 25.0 1 07/10/24 ND 50.0 1 07/10/24 ND 50.0 1 07/10/24 ND 50.0 0 07/10/24 Mg/kg Mg/kg Analyst: DT	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 07/10/24 07/11/24 ND 0.0500 1 07/10/24 07/11/24 ND 0.0250 1 07/10/24 07/11/24 mg/kg mg/kg Analyst: BA ND 20.0 1 07/10/24 07/11/24 mg/kg mg/kg Analyst: BA ND 20.0 1 07/10/24 07/11/24 mg/kg mg/kg Analyst: NV ND 25.0 1 07/10/24 07/11/24 ND 50.0 1 07/10/24 07/11/24 ND 50.0 1 07/10/24 07/11/24 ND 50.0 <



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	24015-001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	7/11/2024 1:18:27PM

BH24-04 2'

		E407052-17					
		Reporting					
Analyte	Result	Limit	Dilut	ion Prep	ared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Α	Analyst: BA			Batch: 2428053
Benzene	ND	0.0250	1	07/1	0/24	07/11/24	
Ethylbenzene	ND	0.0250	1	07/1	0/24	07/11/24	
Toluene	ND	0.0250	1	07/1	0/24	07/11/24	
o-Xylene	ND	0.0250	1	07/1	0/24	07/11/24	
p,m-Xylene	ND	0.0500	1	07/1	0/24	07/11/24	
Total Xylenes	ND	0.0250	1	07/1	0/24	07/11/24	
Surrogate: 4-Bromochlorobenzene-PID		92.6 %	70-130	07/1	0/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: BA			Batch: 2428053
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/1	0/24	07/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.1 %	70-130	07/1	0/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	А	Analyst: NV			Batch: 2428049
Diesel Range Organics (C10-C28)	ND	25.0	1	07/1	0/24	07/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/1	0/24	07/11/24	
Surrogate: n-Nonane		90.7 %	50-200	07/1	0/24	07/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	Analyst: DT			Batch: 2428057
Chloride	ND	20.0	1	07/1	0/24	07/10/24	



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	24015-001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	7/11/2024 1:18:27PM

BH24-04 3' E407052-18

		E40/032-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	Analyst: BA		Batch: 2428053
Benzene	ND	0.0250	1	07/10/24	07/11/24	
Ethylbenzene	ND	0.0250	1	07/10/24	07/11/24	
Toluene	ND	0.0250	1	07/10/24	07/11/24	
o-Xylene	ND	0.0250	1	07/10/24	07/11/24	
p,m-Xylene	ND	0.0500	1	07/10/24	07/11/24	
Total Xylenes	ND	0.0250	1	07/10/24	07/11/24	
Surrogate: 4-Bromochlorobenzene-PID		93.0 %	70-130	07/10/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2428053
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.6 %	70-130	07/10/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2428049
Diesel Range Organics (C10-C28)	ND	25.0	1	07/10/24	07/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/24	07/11/24	
Surrogate: n-Nonane		91.7 %	50-200	07/10/24	07/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	Analyst: DT		Batch: 2428057
Chloride	ND	20.0	1	07/10/24	07/10/24	



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	24015-001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	7/11/2024 1:18:27PM

BH24-05 0' E407052-19

		E40/032-19					
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
· many te	resur	2	Diminon	Tropulou	111111,200	110100	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	Analyst: BA			
Benzene	ND	0.0250	1	07/10/24	07/11/24		
Ethylbenzene	ND	0.0250	1	07/10/24	07/11/24		
Toluene	ND	0.0250	1	07/10/24	07/11/24		
o-Xylene	ND	0.0250	1	07/10/24	07/11/24		
p,m-Xylene	ND	0.0500	1	07/10/24	07/11/24		
Total Xylenes	ND	0.0250	1	07/10/24	07/11/24		
Surrogate: 4-Bromochlorobenzene-PID		91.8 %	70-130	07/10/24	07/11/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2428053	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/11/24		
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.0 %	70-130	07/10/24	07/11/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2428049	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/10/24	07/11/24		
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/24	07/11/24		
Surrogate: n-Nonane		97.3 %	50-200	07/10/24	07/11/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2428057	
Chloride	ND	20.0	1	07/10/24	07/10/24		



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	24015-001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	7/11/2024 1:18:27PM

BH24-05 1' E407052-20

		E40/052-20				
	D 1	Reporting	D.1. :	ъ.		N.
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2428053
Benzene	ND	0.0250	1	07/10/24	07/11/24	
Ethylbenzene	ND	0.0250	1	07/10/24	07/11/24	
Toluene	ND	0.0250	1	07/10/24	07/11/24	
o-Xylene	ND	0.0250	1	07/10/24	07/11/24	
p,m-Xylene	ND	0.0500	1	07/10/24	07/11/24	
Total Xylenes	ND	0.0250	1	07/10/24	07/11/24	
Surrogate: 4-Bromochlorobenzene-PID		89.6 %	70-130	07/10/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2428053
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.5 %	70-130	07/10/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2428049
Diesel Range Organics (C10-C28)	ND	25.0	1	07/10/24	07/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/24	07/11/24	
Surrogate: n-Nonane		91.4 %	50-200	07/10/24	07/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2428057
Chloride	ND	20.0	1	07/10/24	07/10/24	



Surrogate: 4-Bromochlorobenzene-PID

QC Summary Data

Vertex Resource Services Inc. Jackson Unit #003 Project Name: Reported: 3101 Boyd Drive Project Number: 24015-001 Carlsbad NM, 88220 Project Manager: Chance Dixon 7/11/2024 1:18:27PM **Volatile Organics by EPA 8021B** Analyst: BA Source RPD Reporting Spike Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2428053-BLK1) Prepared: 07/10/24 Analyzed: 07/10/24 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.13 8.00 89.2 70-130 LCS (2428053-BS1) Prepared: 07/10/24 Analyzed: 07/10/24 4.55 5.00 91.0 70-130 0.0250 Benzene Ethylbenzene 4.38 0.0250 5.00 87.6 70-130 4.48 89.7 70-130 0.0250 5.00 Toluene 4.39 87.8 70-130 o-Xylene 0.0250 5.00 8.91 0.0500 10.0 89.1 70-130 p,m-Xylene 13.3 88.6 70-130 0.0250 15.0 Total Xylenes

Matrix Spike (2428053-MS1)				Source:	E407052-	08	Prepared: 07/10/24 Analyzed: 07/10/24
Benzene	4.83	0.0250	5.00	ND	96.6	54-133	
Ethylbenzene	4.64	0.0250	5.00	ND	92.8	61-133	
Toluene	4.75	0.0250	5.00	ND	95.1	61-130	
o-Xylene	4.63	0.0250	5.00	ND	92.6	63-131	
p,m-Xylene	9.41	0.0500	10.0	ND	94.1	63-131	
Total Xylenes	14.0	0.0250	15.0	ND	93.6	63-131	
Surrogate: 4-Bromochlorobenzene-PID	7.31		8.00		91.4	70-130	

8.00

7.22

90.3

70-130

Matrix Spike Dup (2428053-MSD1)				Source:	Source: E407052-08			Prepared: 07/10/24 Analyzed: 07/11/24		
Benzene	4.73	0.0250	5.00	ND	94.7	54-133	2.07	20		
Ethylbenzene	4.55	0.0250	5.00	ND	91.1	61-133	1.83	20		
Toluene	4.66	0.0250	5.00	ND	93.2	61-130	1.95	20		
o-Xylene	4.54	0.0250	5.00	ND	90.7	63-131	2.01	20		
p,m-Xylene	9.25	0.0500	10.0	ND	92.5	63-131	1.74	20		
Total Xylenes	13.8	0.0250	15.0	ND	91.9	63-131	1.83	20		
Surrogate: 4-Bromochlorobenzene-PID	7.33		8.00		91.6	70-130				

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Vertex Resource Services Inc.Project Name:Jackson Unit #003Reported:3101 Boyd DriveProject Number:24015-001Carlsbad NM, 88220Project Manager:Chance Dixon7/11/20241:18:27PM

Carlsbad NM, 88220		Project Manage	r: Cł	nance Dixon				7/1	1/2024 1:18:27PM
	Non	halogenated		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 (2428053-BLK1)							Prepared: 0	7/10/24 Anal	yzed: 07/10/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.80		8.00		97.4	70-130			
LCS (2428053-BS2)							Prepared: 0	7/10/24 Anal	yzed: 07/10/24
Gasoline Range Organics (C6-C10)	44.7	20.0	50.0		89.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.8	70-130			
Matrix Spike (2428053-MS2)				Source:	E407052-	08	Prepared: 0	7/10/24 Anal	yzed: 07/11/24
Gasoline Range Organics (C6-C10)	44.6	20.0	50.0	ND	89.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		8.00		96.9	70-130			
Matrix Spike Dup (2428053-MSD2)				Source:	E407052-	08	Prepared: 0	7/10/24 Anal	yzed: 07/11/24
Gasoline Range Organics (C6-C10)	44.5	20.0	50.0	ND	89.0	70-130	0.111	20	

8.00

7.77

97.1

70-130

QC Summary Data

Vertex Resource Services Inc.Project Name:Jackson Unit #003Reported:3101 Boyd DriveProject Number:24015-001Carlsbad NM, 88220Project Manager:Chance Dixon7/11/20241:18:27PM

Carlsbad NM, 88220		Project Manage	r: Ch	nance Dixon				7	/11/2024 1:18:27PN
	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 (2428049-BLK1)							Prepared: 0	7/10/24 Ana	alyzed: 07/10/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.0		50.0		104	50-200			
LCS (2428049-BS1)							Prepared: 0	7/10/24 Ana	alyzed: 07/10/24
Diesel Range Organics (C10-C28)	261	25.0	250		104	38-132			
Surrogate: n-Nonane	48.7		50.0		97.4	50-200			
Matrix Spike (2428049-MS1)				Source:	E407052-	07	Prepared: 0	7/10/24 Ana	alyzed: 07/10/24
Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	38-132			
Surrogate: n-Nonane	50.7		50.0		101	50-200			
Matrix Spike Dup (2428049-MSD1)				Source:	E407052-	07	Prepared: 0	7/10/24 Ana	alyzed: 07/10/24
Diesel Range Organics (C10-C28)	272	25.0	250	ND	109	38-132	0.240	20	
Surrogate: n-Nonane	51.3		50.0		103	50-200			



QC Summary Data

Vertex Resource Services Inc.		Project Name:		ackson Unit #0 4015-001	003				Reported:
3101 Boyd Drive Carlsbad NM, 88220		Project Number: Project Manager		Chance Dixon					7/11/2024 1:18:27PM
		Anions	by EPA	300.0/9056 <i>E</i>	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 (2428057-BLK1)							Prepared: 0	7/10/24 A	nalyzed: 07/10/24
Chloride	ND	20.0							
LCS (2428057-BS1)							Prepared: 0	7/10/24 A	nalyzed: 07/10/24
Chloride	256	20.0	250		103	90-110			
Matrix Spike (2428057-MS1)				Source:	E407052-0	04	Prepared: 0	7/10/24 A	nalyzed: 07/10/24
Chloride	263	20.0	250	ND	105	80-120			
Matrix Spike Dup (2428057-MSD1)				Source:	E407052-	04	Prepared: 0	7/10/24 A	nalyzed: 07/10/24
Chloride	263	20.0	250	ND	105	80-120	0.0541	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 Unit #003	
3101 Boyd Drive	Project Number:	24015-001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	07/11/24 13:18

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.



Gonzales

Invoice Information

Lab Use Only

TAT

AVG Temp 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



Received on ice:

envirotech

Lab Use Only

Received by OCD:

7/15/2025 2:32:24 PM

State

	Clie	nt Inform	nation			In	voice Information	ı.			La	b Use C	nly					- 1	ГАТ					State	2	
Client: V	ertex (bill dire	ct to Tap	Rock)		Co	ompany: Tap	Rock (Bill Ramsay	y)	La	ab WO#			Job N	umber			1D	2D	3D	Std		NM	СО	UT	TX	
Project I	Name: Jackson	Unit #00)3		Ad	ddress:			E	407	052		24	015	-00	10		X			1 1					
Project I	Manager: Chan	ce Dixon			Ci	ty, State, Zip												1								
Project I	Number: 24E-0	3316			Ph	none:						,	Analysis	and N	/lethoc							EPA	Progra	m		
City, Sta	te, Zip:				Er	mail:													1		SDWA	7 1	CW	A	RCF	RA
Phone:					М	iscellaneous	Direct bill to Tap	Rock AT	TN:	115	8015			1											1	
Email: co	lixon@vertexre	esource.c	com		Bi	II Ramsay.				36 80	y 80	21	0	0.0	5	X	tals				Compli	ance		Y	or	N
				Cam	ple Information	an.				ROE	ROE	y 8021	, 8260	le 30	N	1005	8 Metals				PWSID	#	Dom	narks		
Time Sampled	Date Sampled	Matrix	No. of Containers	3811	pie imormatic	Sample ID		ield	Lat	-	GRO/DRO by	втех by	VOC by	Chloride 300.0	BGDOC	TCEQ 1	RCRA 8						Kell	diks		
15:10	07.04.2024	Soil	1			BH24-03 0'		- L	11		X	X		X		-										
15:10	07.04.2024	Soil	1			BH24-03 1*			12	- 180	X	X		X												
15:15	07.04.2024	Soil	1			BH24-03 2'			13		X	X		X												
15:20	07.04.2024	Soil	1			BH24-03 3'	T. C.		14	X	X	X		X		III										
15:25	07.04.2024	Soil	1			BH24-04 0'			15	X	X	X		X												
15:25	07.04.2024	Soil	1			BH24-04 1'			16	X	X	X		X												
15:30	07.04.2024	Soil	1			BH24-04 2'			17	. X	X	X		X												
15:35	07.04.2024	Soil	1			BH24-04 3'			18	X	X	X		X				Ì								
15:40	07.04.2024	Soil	1			BH24-05 0'		14	19	X	X	X		X												
15:40	07.04.2024	Soil	1			BH24-05 1'			20	X	X	X		X												
							email final report									resou	urce.c	com								
Sampled by: L.	Pullman by (Signature)		Date		Time	Referred by (Sig	Mature)	Date		Time					Samples ri	equiring the	rmal presi	ervation n	nust be rece	nived on ice	the day they	ate				
growe ?	will		100	2024	02:50	A-	lle Gonzali	es 7-	9-24	6	700	2			sampled o	received:	packed in i	ice at an ai			ss thun 6°C o	subsequ	ent days			
Reflicished	relie Go	anles	7-9	24	1725	Received by: (Sig	nature)	7.0	9.1	u l	72	5			Receiv	ed on	ice:	0/		Use C	Inly					
Relinquished	by: (Signature)		7.	9.24	1234°	Received by: (Sig	nature)	Date	10-2	Time	830)			<u>T1</u>				<u>T2</u>				<u>T3</u>		_	
Relinquished	by: (Signature)		Date	, ,,	Time	Received by: (Sig	nature)	Date		Time					AVG T	emp °C	4									
Sample Matrix	S - Soil, Sd - Solid, Sg - Sl	udge, A - Aque	eous, O - Other			1		Conta	iner Typ	e: g - glas	s, p - pc	ly/plast	ic, ag - i									_			_	
Note: Sampl	es are discarded 14 da	ys after resu	ilts are reporte	d unless oth	er arrangements	are made. Hazardo	us samples will be returne	ed to client	or dispos	ed of at the	client e	xpense.	The repo	rt for th	e analys	is of the	above	sample	s is							

@ envirotech

Received by OCD: 7/15/2025 2:32:24 PM

Printed: 7/10/2024 2:18:52PM

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:	07/10/24 08:3	30	Work Order ID: E407052
Phone:	(575) 748-0176	Date Logged In:	07/09/24 17:4	17	Logged In By: Alexa Michaels
Email:	cdixon@vertex.ca	Due Date:		00 (1 day TAT)	Dogged in By. Mexa Memoria
	Custody (COC)				
1. Does th	e sample ID match the COC?		Yes		
	e number of samples per sampling site location ma	tch the COC	Yes		
3. Were sa	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?	Yes	_	
5. Were al	Il samples received within holding time?		Yes		
	Note: Analysis, such as pH which should be conducted in				Comments/Resolution
C 1 7	i.e, 15 minute hold time, are not included in this disucssi	on.		1	Comments/Resolution
	urn Around Time (TAT)		V		Jackson Unit #003 has been separated into
	COC indicate standard TAT, or Expedited TAT?		Yes		l
Sample C			3.7		multiple WO due to high sample volume.
	ample cooler received?		Yes		WO are E407052 and E407053.
•	was cooler received in good condition?		Yes		
	e sample(s) received intact, i.e., not broken?		Yes		
	custody/security seals present?		No		
11. If yes,	were custody/security seals intact?		NA		
	e sample received on ice? If yes, the recorded temp is 4°C. Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes C		
Sample C			-		
	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		
	on-VOC samples collected in the correct containers	?	Yes		
	appropriate volume/weight or number of sample contain		Yes		
Field Lab	· · ·		100		
	field sample labels filled out with the minimum info	ormation:			
	ample ID?		Yes		
D	ate/Time Collected?		Yes		
C	ollectors name?		Yes		
	<u>reservation</u>				
	the COC or field labels indicate the samples were p	reserved?	No		
	imple(s) correctly preserved?		NA		
24. Is lab	filteration required and/or requested for dissolved n	netals?	No		
	se Sample Matrix				
26. Does	the sample have more than one phase, i.e., multipha	se?	No		
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA		
Subcontr	act Laboratory				
	imples required to get sent to a subcontract laborato	rv?	No		
	subcontract laboratory specified by the client and i	•		ibcontract Lab	n: NA
	• • •				****
Chent II	<u>struction</u>				

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 Unit #003

Work Order: E407053

Job Number: 24015-001

Received: 7/10/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 7/11/24

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: 7/11/24

Chance Dixon 3101 Boyd Drive Carlsbad, NM 88220

Project Name: Jackson Unit #003

Workorder: E407053

Date Received: 7/10/2024 8:30:00AM

Chance Dixon,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/10/2024 8:30:00AM, under the Project Name: Jackson Unit #003.

The analytical test results summarized in this report with the Project Name: Jackson Unit #003 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

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mgonzales@envirotech-inc.com

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Sample Summary

Vertex Resource Services Inc.Project Name:Jackson Unit #003Reported:3101 Boyd DriveProject Number:24015-00107/11/24 15:41Carlsbad NM, 88220Project Manager:Chance Dixon07/11/24 15:41

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH24-05 2'	E407053-01A	Soil	07/04/24	07/10/24	Glass Jar, 2 oz.
BH24-05 3'	E407053-02A	Soil	07/04/24	07/10/24	Glass Jar, 2 oz.
BH24-05 4'	E407053-03A	Soil	07/04/24	07/10/24	Glass Jar, 2 oz.
BH24-06 0'	E407053-04A	Soil	07/04/24	07/10/24	Glass Jar, 2 oz.
BH24-06 1'	E407053-05A	Soil	07/04/24	07/10/24	Glass Jar, 2 oz.
BH24-06 2'	E407053-06A	Soil	07/04/24	07/10/24	Glass Jar, 2 oz.
BH24-06 3'	E407053-07A	Soil	07/04/24	07/10/24	Glass Jar, 2 oz.
BH24-06 4'	E407053-08A	Soil	07/04/24	07/10/24	Glass Jar, 2 oz.
BH24-07 0'	E407053-09A	Soil	07/05/24	07/10/24	Glass Jar, 2 oz.
BH24-07 1'	E407053-10A	Soil	07/05/24	07/10/24	Glass Jar, 2 oz.
BH24-07 2'	E407053-11A	Soil	07/05/24	07/10/24	Glass Jar, 2 oz.
BH24-07 3'	E407053-12A	Soil	07/05/24	07/10/24	Glass Jar, 2 oz.
BH24-07 4'	E407053-13A	Soil	07/05/24	07/10/24	Glass Jar, 2 oz.
BH24-08 0'	E407053-14A	Soil	07/05/24	07/10/24	Glass Jar, 2 oz.
BH24-08 1'	E407053-15A	Soil	07/05/24	07/10/24	Glass Jar, 2 oz.
BH24-08 2'	E407053-16A	Soil	07/05/24	07/10/24	Glass Jar, 2 oz.
BH24-08 3'	E407053-17A	Soil	07/05/24	07/10/24	Glass Jar, 2 oz.
BH24-08 4'	E407053-18A	Soil	07/05/24	07/10/24	Glass Jar, 2 oz.
BH24-02 5'	E407053-19A	Soil	07/05/24	07/10/24	Glass Jar, 2 oz.
BH24-02 6'	E407053-20A	Soil	07/05/24	07/10/24	Glass Jar, 2 oz.
BH24-05 5'	E407053-21A	Soil	07/05/24	07/10/24	Glass Jar, 2 oz.

Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/11/20243:41:06PM

BH24-05 2' E407053-01

		E407033-01					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Analyte	Result	Lillit	Diit	шин	Frepared	Allalyzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: RKS		Batch: 2428054
Benzene	ND	0.0250		1	07/10/24	07/10/24	
Ethylbenzene	ND	0.0250		1	07/10/24	07/10/24	
Toluene	ND	0.0250		1	07/10/24	07/10/24	
o-Xylene	ND	0.0250		1	07/10/24	07/10/24	
p,m-Xylene	ND	0.0500		1	07/10/24	07/10/24	
Total Xylenes	ND	0.0250		1	07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		106 %	70-130		07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		91.0 %	70-130		07/10/24	07/10/24	
Surrogate: Toluene-d8		102 %	70-130		07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: RKS		Batch: 2428054
Gasoline Range Organics (C6-C10)	ND	20.0	:	1	07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		106 %	70-130		07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		91.0 %	70-130		07/10/24	07/10/24	
Surrogate: Toluene-d8		102 %	70-130		07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KM		Batch: 2428050
Diesel Range Organics (C10-C28)	ND	25.0		1	07/10/24	07/10/24	
Oil Range Organics (C28-C36)	ND	50.0		1	07/10/24	07/10/24	
Surrogate: n-Nonane		107 %	50-200		07/10/24	07/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: WF		Batch: 2428058
Chloride	ND	20.0		1	07/10/24	07/10/24	



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/11/20243:41:06PM

BH24-05 3' E407053-02

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst:	RKS		Batch: 2428054
Benzene	ND	0.0250	1		07/10/24	07/10/24	
Ethylbenzene	ND	0.0250	1		07/10/24	07/10/24	
Toluene	ND	0.0250	1		07/10/24	07/10/24	
o-Xylene	ND	0.0250	1		07/10/24	07/10/24	
p,m-Xylene	ND	0.0500	1		07/10/24	07/10/24	
Total Xylenes	ND	0.0250	1		07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		101 %	70-130		07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		91.7 %	70-130		07/10/24	07/10/24	
Surrogate: Toluene-d8		102 %	70-130		07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst:	RKS		Batch: 2428054
Gasoline Range Organics (C6-C10)	ND	20.0	1		07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		101 %	70-130		07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		91.7 %	70-130		07/10/24	07/10/24	
Surrogate: Toluene-d8		102 %	70-130		07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst:	KM		Batch: 2428050
Diesel Range Organics (C10-C28)	68.0	25.0	1		07/10/24	07/10/24	
Oil Range Organics (C28-C36)	54.7	50.0	1		07/10/24	07/10/24	
Surrogate: n-Nonane		105 %	50-200		07/10/24	07/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst:	WF		Batch: 2428058
	ND	20.0	1		07/10/24	07/10/24	



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/11/20243:41:06PM

BH24-05 4' E407053-03

		E407033-03					
Analyte	Result	Reporting Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Analyte	Resuit	Liinit	וווע	IIIOII	rrepareu	Anaryzed	notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2428054
Benzene	ND	0.0250	1	1	07/10/24	07/10/24	
Ethylbenzene	ND	0.0250	1	1	07/10/24	07/10/24	
Toluene	ND	0.0250	1	1	07/10/24	07/10/24	
o-Xylene	ND	0.0250	1	1	07/10/24	07/10/24	
p,m-Xylene	ND	0.0500	1	1	07/10/24	07/10/24	
Total Xylenes	ND	0.0250	1	1	07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		105 %	70-130		07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		90.3 %	70-130		07/10/24	07/10/24	
Surrogate: Toluene-d8		102 %	70-130		07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2428054
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		105 %	70-130		07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		90.3 %	70-130		07/10/24	07/10/24	
Surrogate: Toluene-d8		102 %	70-130		07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2428050
Diesel Range Organics (C10-C28)	156	25.0	1	1	07/10/24	07/10/24	
Oil Range Organics (C28-C36)	90.6	50.0	1	1	07/10/24	07/10/24	
Surrogate: n-Nonane		116 %	50-200		07/10/24	07/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2428058
Chloride	ND	20.0	1	1	07/10/24	07/10/24	



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/11/20243:41:06PM

BH24-06 0' E407053-04

	_	Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: RKS		Batch: 2428054
Benzene	ND	0.0250	1	07/10/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/10/24	07/10/24	
Toluene	ND	0.0250	1	07/10/24	07/10/24	
o-Xylene	ND	0.0250	1	07/10/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/10/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		105 %	70-130	07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		89.2 %	70-130	07/10/24	07/10/24	
Surrogate: Toluene-d8		104 %	70-130	07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: RKS		Batch: 2428054
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		105 %	70-130	07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		89.2 %	70-130	07/10/24	07/10/24	
Surrogate: Toluene-d8		104 %	70-130	07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: KM		Batch: 2428050
Diesel Range Organics (C10-C28)	ND	25.0	1	07/10/24	07/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/24	07/10/24	
Surrogate: n-Nonane		117 %	50-200	07/10/24	07/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: WF		Batch: 2428058
Chloride	ND	20.0	1	07/10/24	07/10/24	·



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/11/20243:41:06PM

BH24-06 1' E407053-05

	_	Reporting	_			
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: RKS		Batch: 2428054
Benzene	ND	0.0250	1	07/10/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/10/24	07/10/24	
Toluene	ND	0.0250	1	07/10/24	07/10/24	
o-Xylene	ND	0.0250	1	07/10/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/10/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		106 %	70-130	07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		86.8 %	70-130	07/10/24	07/10/24	
Surrogate: Toluene-d8		104 %	70-130	07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: RKS		Batch: 2428054
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		106 %	70-130	07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		86.8 %	70-130	07/10/24	07/10/24	
Surrogate: Toluene-d8		104 %	70-130	07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM		Batch: 2428050
Diesel Range Organics (C10-C28)	ND	25.0	1	07/10/24	07/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/24	07/11/24	
Surrogate: n-Nonane		114 %	50-200	07/10/24	07/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: WF		Batch: 2428058
Chloride	ND	20.0	1	07/10/24	07/10/24	

Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/11/2024 3:41:06PM

BH24-06 2' E407053-06

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: RKS		Batch: 2428054
Benzene	ND	0.0250	1	07/10/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/10/24	07/10/24	
Toluene	ND	0.0250	1	07/10/24	07/10/24	
o-Xylene	ND	0.0250	1	07/10/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/10/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		107 %	70-130	07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		92.3 %	70-130	07/10/24	07/10/24	
Surrogate: Toluene-d8		103 %	70-130	07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: RKS		Batch: 2428054
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		107 %	70-130	07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		92.3 %	70-130	07/10/24	07/10/24	
Surrogate: Toluene-d8		103 %	70-130	07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM		Batch: 2428050
Diesel Range Organics (C10-C28)	ND	25.0	1	07/10/24	07/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/24	07/11/24	
Surrogate: n-Nonane		119 %	50-200	07/10/24	07/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: WF		Batch: 2428058
Chloride	ND	20.0	1	07/10/24	07/10/24	



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/11/20243:41:06PM

BH24-06 3' E407053-07

		E407035-07					
Analyte	Result	Reporting Limit	Dilu	ution	Prepared	Analyzed	Notes
Alialyte	Result	Limit	Dilu	шоп	rrepared	Analyzed	inotes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2428054
Benzene	ND	0.0250	1	1	07/10/24	07/10/24	
Ethylbenzene	ND	0.0250	1	1	07/10/24	07/10/24	
Toluene	ND	0.0250	1	1	07/10/24	07/10/24	
o-Xylene	ND	0.0250	1	1	07/10/24	07/10/24	
p,m-Xylene	ND	0.0500	1	1	07/10/24	07/10/24	
Total Xylenes	ND	0.0250	1	1	07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		104 %	70-130		07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		90.8 %	70-130		07/10/24	07/10/24	
Surrogate: Toluene-d8		102 %	70-130		07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2428054
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		104 %	70-130		07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		90.8 %	70-130		07/10/24	07/10/24	
Surrogate: Toluene-d8		102 %	70-130		07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2428050
Diesel Range Organics (C10-C28)	ND	25.0	1	1	07/10/24	07/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	07/10/24	07/11/24	
Surrogate: n-Nonane		118 %	50-200		07/10/24	07/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2428058
Chloride	44.4	20.0	1	1	07/10/24	07/10/24	



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/11/20243:41:06PM

BH24-06 4' E407053-08

	E407033-00					
D a milt	Reporting		ytia	Duomonod	Analyzad	Notes
Resuit	Limit	Dill	шин	Frepared	Anaiyzeu	Notes
mg/kg	mg/kg		Analyst	: RKS		Batch: 2428054
ND	0.0250		1	07/10/24	07/10/24	
ND	0.0250		1	07/10/24	07/10/24	
ND	0.0250		1	07/10/24	07/10/24	
ND	0.0250		1	07/10/24	07/10/24	
ND	0.0500		1	07/10/24	07/10/24	
ND	0.0250		1	07/10/24	07/10/24	
	105 %	70-130		07/10/24	07/10/24	
	92.2 %	70-130		07/10/24	07/10/24	
	103 %	70-130		07/10/24	07/10/24	
mg/kg	mg/kg		Analyst	: RKS		Batch: 2428054
ND	20.0		1	07/10/24	07/10/24	
	105 %	70-130		07/10/24	07/10/24	
	92.2 %	70-130		07/10/24	07/10/24	
	103 %	70-130		07/10/24	07/10/24	
mg/kg	mg/kg		Analyst	: KM		Batch: 2428050
ND	25.0		1	07/10/24	07/11/24	
ND	50.0		1	07/10/24	07/11/24	
	120 %	50-200		07/10/24	07/11/24	
mg/kg	mg/kg		Analyst	: WF		Batch: 2428058
49.4	20.0		1	07/10/24	07/10/24	
49.4	20.0		1	07/10/24	07/10/24	
	ND Mg/kg ND Mg/kg	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 I05 % 92.2 % I03 % mg/kg ND 20.0 I05 % 92.2 % I03 % mg/kg Mg/kg mg/kg ND 25.0 ND 50.0 I20 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilu mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0500 ND 0.0250 105 % 70-130 92.2 % 70-130 mg/kg mg/kg ND 20.0 105 % 70-130 92.2 % 70-130 103 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 120 % 50-200 mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analyst ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 ND 70-130 1 92.2 % 70-130 70-130 mg/kg mg/kg Analyst ND 20.0 1 105 % 70-130 70-130 92.2 % 70-130 70-130 mg/kg mg/kg Analyst ND 25.0 1 ND 50.0 1 120 % 50-200 mg/kg mg/kg Analyst	Reporting Mesult Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 07/10/24 ND 0.0250 1 07/10/24 ND 0.0250 1 07/10/24 ND 0.0500 1 07/10/24 ND 0.0250 1 07/10/24 ND 0.0250 1 07/10/24 ND 0.0250 1 07/10/24 92.2 % 70-130 07/10/24 92.2 % 70-130 07/10/24 mg/kg mg/kg Analyst: RKS ND 20.0 1 07/10/24 92.2 % 70-130 07/10/24 92.2 % 70-130 07/10/24 103 % 70-130 07/10/24 mg/kg mg/kg Analyst: KM ND 25.0 1 07/10/24 ND 50.0 1 07/10/24 ND 50.0<	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 07/10/24 07/10/24 ND 0.0250 1 07/10/24 07/10/24 ND 0.0250 1 07/10/24 07/10/24 ND 0.0500 1 07/10/24 07/10/24 ND 0.0500 1 07/10/24 07/10/24 ND 0.0250 1 07/10/24 07/10/24 ND 0.0250 1 07/10/24 07/10/24 ND 0.0250 1 07/10/24 07/10/24 92.2 % 70-130 07/10/24 07/10/24 07/10/24 mg/kg mg/kg Analyst: RKS ND 20.0 1 07/10/24 07/10/24 92.2 % 70-130 07/10/24 07/10/24 92.2 % 70-130 07/10/24 07/10/24 103 % 70-130



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/11/20243:41:06PM

BH24-07 0' E407053-09

		E40/033-09					
Anglyto	Result	Reporting Limit	Dilu	tion	Prepared	Analyzed	Notes
Analyte	Result	Liinit	Dilu	HOII	rrepareu	Anaryzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2428054
Benzene	ND	0.0250	1		07/10/24	07/10/24	
Ethylbenzene	ND	0.0250	1		07/10/24	07/10/24	
Toluene	ND	0.0250	1		07/10/24	07/10/24	
o-Xylene	ND	0.0250	1		07/10/24	07/10/24	
p,m-Xylene	ND	0.0500	1		07/10/24	07/10/24	
Total Xylenes	ND	0.0250	1		07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		105 %	70-130		07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		92.6 %	70-130		07/10/24	07/10/24	
Surrogate: Toluene-d8		103 %	70-130		07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	_	Analyst:	RKS		Batch: 2428054
Gasoline Range Organics (C6-C10)	ND	20.0	1		07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		105 %	70-130		07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		92.6 %	70-130		07/10/24	07/10/24	
Surrogate: Toluene-d8		103 %	70-130		07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2428050
Diesel Range Organics (C10-C28)	ND	25.0	1		07/10/24	07/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1		07/10/24	07/11/24	
Surrogate: n-Nonane		113 %	50-200		07/10/24	07/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	ı	Analyst:	WF		Batch: 2428058
Chloride	ND	20.0	1		07/10/24	07/11/24	



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/11/2024 3:41:06PM

BH24-07 1' E407053-10

Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2428054
Benzene	ND	0.0250	1	07/10/24	07/10/24	2421 2 12003 1
Ethylbenzene	ND	0.0250	1	07/10/24	07/10/24	
Toluene	ND	0.0250	1	07/10/24	07/10/24	
o-Xylene	ND	0.0250	1	07/10/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/10/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		104 %	70-130	07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		89.4 %	70-130	07/10/24	07/10/24	
Surrogate: Toluene-d8		103 %	70-130	07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: RKS		Batch: 2428054
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		104 %	70-130	07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		89.4 %	70-130	07/10/24	07/10/24	
Surrogate: Toluene-d8		103 %	70-130	07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: KM		Batch: 2428050
Diesel Range Organics (C10-C28)	ND	25.0	1	07/10/24	07/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/24	07/11/24	
Surrogate: n-Nonane		113 %	50-200	07/10/24	07/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: WF		Batch: 2428058
Chloride	ND	20.0	1	07/10/24	07/11/24	



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/11/20243:41:06PM

BH24-07 2' E407053-11

		2.0.000 11				
Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
Апагусе	Result	Limit	Dilut	ion Prepared	Anaiyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	Analyst: RKS		Batch: 2428054
Benzene	ND	0.0250	1	07/10/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/10/24	07/10/24	
Toluene	ND	0.0250	1	07/10/24	07/10/24	
o-Xylene	ND	0.0250	1	07/10/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/10/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		105 %	70-130	07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		89.3 %	70-130	07/10/24	07/10/24	
Surrogate: Toluene-d8		104 %	70-130	07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	Analyst: RKS		Batch: 2428054
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		105 %	70-130	07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		89.3 %	70-130	07/10/24	07/10/24	
Surrogate: Toluene-d8		104 %	70-130	07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: KM		Batch: 2428050
Diesel Range Organics (C10-C28)	ND	25.0	1	07/10/24	07/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/24	07/11/24	
Surrogate: n-Nonane		111 %	50-200	07/10/24	07/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: WF		Batch: 2428058
Chloride	23.0	20.0	1	07/10/24	07/11/24	



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/11/20243:41:06PM

BH24-07 3' E407053-12

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	Analyst: RKS		Batch: 2428054
Benzene	ND	0.0250	1	07/10/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/10/24	07/10/24	
Toluene	ND	0.0250	1	07/10/24	07/10/24	
o-Xylene	ND	0.0250	1	07/10/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/10/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		105 %	70-130	07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		91.0 %	70-130	07/10/24	07/10/24	
Surrogate: Toluene-d8		103 %	70-130	07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: RKS		Batch: 2428054
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		105 %	70-130	07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		91.0 %	70-130	07/10/24	07/10/24	
Surrogate: Toluene-d8		103 %	70-130	07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: KM		Batch: 2428050
Diesel Range Organics (C10-C28)	ND	25.0	1	07/10/24	07/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/24	07/11/24	
Surrogate: n-Nonane		120 %	50-200	07/10/24	07/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: WF		Batch: 2428058
Chloride	25.2	20.0	1	07/10/24	07/11/24	



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/11/20243:41:06PM

BH24-07 4' E407053-13

		E407033-13					
	D 1	Reporting			D 1		N.
Analyte	Result	Limit	Dili	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: RKS		Batch: 2428054
Benzene	ND	0.0250		1	07/10/24	07/10/24	
Ethylbenzene	ND	0.0250		1	07/10/24	07/10/24	
Toluene	ND	0.0250		1	07/10/24	07/10/24	
o-Xylene	ND	0.0250		1	07/10/24	07/10/24	
p,m-Xylene	ND	0.0500		1	07/10/24	07/10/24	
Total Xylenes	ND	0.0250		1	07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		103 %	70-130		07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		90.9 %	70-130		07/10/24	07/10/24	
Surrogate: Toluene-d8		103 %	70-130		07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: RKS		Batch: 2428054
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		103 %	70-130		07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		90.9 %	70-130		07/10/24	07/10/24	
Surrogate: Toluene-d8		103 %	70-130		07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KM		Batch: 2428050
Diesel Range Organics (C10-C28)	412	25.0		1	07/10/24	07/11/24	
Oil Range Organics (C28-C36)	115	50.0		1	07/10/24	07/11/24	
Surrogate: n-Nonane		119 %	50-200		07/10/24	07/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: WF		Batch: 2428058
Chloride	20.2	20.0		1	07/10/24	07/11/24	



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/11/20243:41:06PM

BH24-08 0' E407053-14

		2.0.000 11					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS			Batch: 2428054
Benzene	ND	0.0250		1	07/10/24	07/10/24	
Ethylbenzene	ND	0.0250		1	07/10/24	07/10/24	
Toluene	ND	0.0250		1	07/10/24	07/10/24	
o-Xylene	ND	0.0250		1	07/10/24	07/10/24	
p,m-Xylene	ND	0.0500		1	07/10/24	07/10/24	
Total Xylenes	ND	0.0250		1	07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		103 %	70-130		07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		88.7 %	70-130		07/10/24	07/10/24	
Surrogate: Toluene-d8		101 %	70-130		07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: RKS		Batch: 2428054
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		103 %	70-130		07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		88.7 %	70-130		07/10/24	07/10/24	
Surrogate: Toluene-d8		101 %	70-130		07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KM		Batch: 2428050
Diesel Range Organics (C10-C28)	ND	25.0		1	07/10/24	07/11/24	
Oil Range Organics (C28-C36)	ND	50.0		1	07/10/24	07/11/24	
Surrogate: n-Nonane		111 %	50-200		07/10/24	07/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: WF		Batch: 2428058
Chloride	ND	20.0		1	07/10/24	07/11/24	



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/11/20243:41:06PM

BH24-08 1' E407053-15

		E407035-13					
Analyte	Result	Reporting Limit	Dilut	tion Drag	pared	Analyzed	Notes
Allalyte	Result	Limit	Dilui	tion Trep	Jarcu	Allalyzed	ivotes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: RKS			Batch: 2428054
Benzene	ND	0.0250	1	07/1	10/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/1	10/24	07/10/24	
Toluene	ND	0.0250	1	07/1	10/24	07/10/24	
o-Xylene	ND	0.0250	1	07/1	10/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/1	10/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/1	10/24	07/10/24	
Surrogate: Bromofluorobenzene		104 %	70-130	07/1	10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		91.9 %	70-130	07/1	10/24	07/10/24	
Surrogate: Toluene-d8		104 %	70-130	07/1	10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: RKS			Batch: 2428054
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/1	10/24	07/10/24	
Surrogate: Bromofluorobenzene		104 %	70-130	07/1	10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		91.9 %	70-130	07/1	10/24	07/10/24	
Surrogate: Toluene-d8		104 %	70-130	07/1	10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM			Batch: 2428050
Diesel Range Organics (C10-C28)	ND	25.0	1	07/1	10/24	07/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/1	10/24	07/11/24	
Surrogate: n-Nonane		115 %	50-200	07/1	10/24	07/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: WF			Batch: 2428058
Chloride	ND	20.0	1	07/1	10/24	07/11/24	



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/11/2024 3:41:06PM

BH24-08 2' E407053-16

Analyte	Result	Reporting Limit	Dilut	tion	Prepared	Analyzed	Notes
Analyte	Kesuit	Lillit	Dilu	tion	rrepared	Allaryzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2428054	
Benzene	ND	0.0250	1		07/10/24	07/10/24	
Ethylbenzene	ND	0.0250	1		07/10/24	07/10/24	
Toluene	ND	0.0250	1		07/10/24	07/10/24	
o-Xylene	ND	0.0250	1		07/10/24	07/10/24	
p,m-Xylene	ND	0.0500	1		07/10/24	07/10/24	
Total Xylenes	ND	0.0250	1		07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		104 %	70-130		07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		90.6 %	70-130		07/10/24	07/10/24	
Surrogate: Toluene-d8		102 %	70-130		07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: Rl	KS		Batch: 2428054
Gasoline Range Organics (C6-C10)	ND	20.0	1		07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		104 %	70-130		07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		90.6 %	70-130		07/10/24	07/10/24	
Surrogate: Toluene-d8		102 %	70-130		07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst: K	М		Batch: 2428050
Diesel Range Organics (C10-C28)	ND	25.0	1		07/10/24	07/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1		07/10/24	07/11/24	
Surrogate: n-Nonane		115 %	50-200		07/10/24	07/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	I	Analyst: W	F		Batch: 2428058
Chloride	83.7	20.0	1		07/10/24	07/11/24	



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/11/2024 3:41:06PM

BH24-08 3' E407053-17

		E407035-17					
Analyte	Result	Reporting Limit	Dilu	tion	Prepared	Analyzed	Notes
Analyte	Result	Limit	Dilu	IIIOII	rrepareu	Anaryzed	notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: 1	RKS		Batch: 2428054
Benzene	ND	0.0250	1	l	07/10/24	07/10/24	
Ethylbenzene	ND	0.0250	1	l	07/10/24	07/10/24	
Toluene	ND	0.0250	1	l	07/10/24	07/10/24	
o-Xylene	ND	0.0250	1	l	07/10/24	07/10/24	
p,m-Xylene	ND	0.0500	1	l	07/10/24	07/10/24	
Total Xylenes	ND	0.0250	1	l	07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		105 %	70-130		07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130		07/10/24	07/10/24	
Surrogate: Toluene-d8		104 %	70-130		07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: 1	RKS		Batch: 2428054
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		105 %	70-130		07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130		07/10/24	07/10/24	
Surrogate: Toluene-d8		104 %	70-130		07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: 1	KM		Batch: 2428050
Diesel Range Organics (C10-C28)	ND	25.0	1	1	07/10/24	07/11/24	_
Oil Range Organics (C28-C36)	ND	50.0	1	l	07/10/24	07/11/24	
Surrogate: n-Nonane		101 %	50-200		07/10/24	07/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: '	WF		Batch: 2428058
Chloride	142	20.0	1		07/10/24	07/11/24	



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/11/20243:41:06PM

BH24-08 4' E407053-18

Analyte	Result	Reporting Limit	Dilu	tion	Prepared	Analyzed	Notes
Analyte	Resuit	Limit	Dilui	шоп	rrepared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: RKS			Batch: 2428054
Benzene	ND	0.0250	1		07/10/24	07/10/24	
Ethylbenzene	ND	0.0250	1		07/10/24	07/10/24	
Toluene	ND	0.0250	1		07/10/24	07/10/24	
o-Xylene	ND	0.0250	1		07/10/24	07/10/24	
p,m-Xylene	ND	0.0500	1		07/10/24	07/10/24	
Total Xylenes	ND	0.0250	1		07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		104 %	70-130		07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		89.6 %	70-130		07/10/24	07/10/24	
Surrogate: Toluene-d8		102 %	70-130		07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2428054		
Gasoline Range Organics (C6-C10)	ND	20.0	1		07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		104 %	70-130		07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		89.6 %	70-130		07/10/24	07/10/24	
Surrogate: Toluene-d8		102 %	70-130		07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst: KN	ſ		Batch: 2428050
Diesel Range Organics (C10-C28)	ND	25.0	1		07/10/24	07/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	l	07/10/24	07/11/24	
Surrogate: n-Nonane		108 %	50-200		07/10/24	07/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF	;		Batch: 2428058
Chloride	91.4	20.0	1		07/10/24	07/11/24	



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/11/20243:41:06PM

BH24-02 5' E407053-19

		E40/033-19					
	D 1	Reporting		<i>.</i> ·	D 1		N 4
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2428054
Benzene	ND	0.0250	1	1	07/10/24	07/10/24	
Ethylbenzene	ND	0.0250	1	1	07/10/24	07/10/24	
Toluene	ND	0.0250	1	1	07/10/24	07/10/24	
o-Xylene	ND	0.0250	1	1	07/10/24	07/10/24	
p,m-Xylene	ND	0.0500	1	1	07/10/24	07/10/24	
Total Xylenes	ND	0.0250	1	1	07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		107 %	70-130		07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		93.0 %	70-130		07/10/24	07/10/24	
Surrogate: Toluene-d8		103 %	70-130		07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2428054
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		107 %	70-130		07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		93.0 %	70-130		07/10/24	07/10/24	
Surrogate: Toluene-d8		103 %	70-130		07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2428050
Diesel Range Organics (C10-C28)	412	25.0	1	1	07/10/24	07/11/24	
Oil Range Organics (C28-C36)	84.6	50.0	1	1	07/10/24	07/11/24	
Surrogate: n-Nonane		111 %	50-200		07/10/24	07/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2428058
Chloride	ND	20.0	1	1	07/10/24	07/11/24	



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/11/2024 3:41:06PM

BH24-02 6' E407053-20

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2428054
Benzene	ND	0.0250	1		07/10/24	07/10/24	
Ethylbenzene	ND	0.0250	1		07/10/24	07/10/24	
Toluene	ND	0.0250	1		07/10/24	07/10/24	
o-Xylene	ND	0.0250	1		07/10/24	07/10/24	
p,m-Xylene	ND	0.0500	1		07/10/24	07/10/24	
Total Xylenes	ND	0.0250	1		07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		105 %	70-130		07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		89.1 %	70-130		07/10/24	07/10/24	
Surrogate: Toluene-d8		103 %	70-130		07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2428054
Gasoline Range Organics (C6-C10)	ND	20.0	1		07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		105 %	70-130		07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		89.1 %	70-130		07/10/24	07/10/24	
Surrogate: Toluene-d8		103 %	70-130		07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2428050
Diesel Range Organics (C10-C28)	237	25.0	1		07/10/24	07/11/24	
Oil Range Organics (C28-C36)	67.7	50.0	1		07/10/24	07/11/24	
Surrogate: n-Nonane		110 %	50-200		07/10/24	07/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	_	Analyst:	WF		Batch: 2428058
•	ND	20.0	1		07/10/24	07/11/24	



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/11/20243:41:06PM

BH24-05 5' E407053-21

	_	Reporting	_			
Analyte	Result	Limit	Dilut	tion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: RKS		Batch: 2428055
Benzene	ND	0.0250	1	07/10/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/10/24	07/10/24	
Toluene	ND	0.0250	1	07/10/24	07/10/24	
o-Xylene	ND	0.0250	1	07/10/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/10/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		106 %	70-130	07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		89.5 %	70-130	07/10/24	07/10/24	
Surrogate: Toluene-d8		102 %	70-130	07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: RKS		Batch: 2428055
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/10/24	
Surrogate: Bromofluorobenzene		106 %	70-130	07/10/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		89.5 %	70-130	07/10/24	07/10/24	
Surrogate: Toluene-d8		102 %	70-130	07/10/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM		Batch: 2428051
Diesel Range Organics (C10-C28)	334	25.0	1	07/10/24	07/10/24	
Oil Range Organics (C28-C36)	88.4	50.0	1	07/10/24	07/10/24	
Surrogate: n-Nonane		99.4 %	50-200	07/10/24	07/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT		Batch: 2428052
Chloride	21.6	20.0	1	07/10/24	07/10/24	



QC Summary Data

Vertex Resource Services Inc.
Project Name: Jackson Unit #003
Reported:
3101 Boyd Drive Project Number: 24015-001
Carlsbad NM, 88220
Project Manager: Chance Dixon
7/11/2024 3:41:06PM

Carlsbad NM, 88220		Project Manage	r: Cl	nance Dixon					7/11/2024 3:41:06PN
	V	olatile Organ	ic Compo	unds by EI	PA 82601	В			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2428054-BLK1)							Prepared: 0'	7/10/24 An	alyzed: 07/10/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.540		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.446		0.500		89.2	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			
LCS (2428054-BS1)							Prepared: 0'	7/10/24 An	alyzed: 07/10/24
Benzene	2.30	0.0250	2.50		92.2	70-130			
Ethylbenzene	2.49	0.0250	2.50		99.4	70-130			
Toluene	2.48	0.0250	2.50		99.3	70-130			
p-Xylene	2.60	0.0250	2.50		104	70-130			
p,m-Xylene	5.19	0.0500	5.00		104	70-130			
Total Xylenes	7.79	0.0250	7.50		104	70-130			
Surrogate: Bromofluorobenzene	0.537	******	0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.458		0.500		91.5	70-130			
Surrogate: Toluene-d8	0.438		0.500		103	70-130			
Matrix Spike (2428054-MS1)				Source:	E407053-	10	Prepared: 0'	7/10/24 An	alyzed: 07/10/24
Benzene	2.34	0.0250	2.50	ND	93.5	48-131	1 .		<u>, , , , , , , , , , , , , , , , , , , </u>
Ethylbenzene	2.50	0.0250	2.50	ND	100	45-135			
Toluene	2.48	0.0250	2.50	ND	99.1	48-130			
o-Xylene	2.63	0.0250	2.50	ND	105	43-135			
p,m-Xylene	5.23	0.0500	5.00	ND	105	43-135			
Total Xylenes	7.85	0.0250	7.50	ND	105	43-135			
Surrogate: Bromofluorobenzene	0.538		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.3	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			
Matrix Spike Dup (2428054-MSD1)				Source:	E407053-	10	Prepared: 0'	7/10/24 An	alyzed: 07/10/24
Benzene	2.38	0.0250	2.50	ND	95.2	48-131	1.80	23	
Ethylbenzene	2.54	0.0250	2.50	ND	102	45-135	1.71	27	
Toluene	2.52	0.0250	2.50	ND	101	48-130	1.82	24	
o-Xylene	2.64	0.0250	2.50	ND	106	43-135	0.608	27	
p,m-Xylene	5.26	0.0500	5.00	ND	105	43-135	0.563	27	
Total Xylenes	7.90	0.0250	7.50	ND	105	43-135	0.578	27	
Surrogate: Bromofluorobenzene	0.532		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.461		0.500		92.2	70-130			
			0.500		101	50 120			

0.500

104

70-130

0.522

Surrogate: Toluene-d8

QC Summary Data

Vertex Resource Services Inc.
Project Name: Jackson Unit #003
Reported:
3101 Boyd Drive Project Number: 24015-001
Carlsbad NM, 88220
Project Manager: Chance Dixon
7/11/2024 3:41:06PM

Carlsbad NM, 88220		Project Manage	r: Cl	nance Dixon				7	/11/2024 3:41:06PN
	V	olatile Organ	ic Compo	unds by El	PA 82601	В			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2428055-BLK1)							Prepared: 0'	7/10/24 Ana	alyzed: 07/11/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.529		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.457		0.500		91.3	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			
LCS (2428055-BS1)							Prepared: 0'	7/10/24 Ana	alyzed: 07/11/24
Benzene	2.25	0.0250	2.50		89.8	70-130			
Ethylbenzene	2.42	0.0250	2.50		96.9	70-130			
Toluene	2.39	0.0250	2.50		95.4	70-130			
o-Xylene	2.53	0.0250	2.50		101	70-130			
o,m-Xylene	5.06	0.0500	5.00		101	70-130			
Total Xylenes	7.58	0.0250	7.50		101	70-130			
Surrogate: Bromofluorobenzene	0.533		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.5	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			
Matrix Spike (2428055-MS1)				Source:	E407057-	03	Prepared: 0'	7/10/24 Ana	alyzed: 07/11/24
Benzene	2.26	0.0250	2.50	ND	90.3	48-131			
Ethylbenzene	2.46	0.0250	2.50	ND	98.6	45-135			
Toluene	2.42	0.0250	2.50	ND	96.7	48-130			
o-Xylene	2.56	0.0250	2.50	ND	102	43-135			
p,m-Xylene	5.11	0.0500	5.00	ND	102	43-135			
Total Xylenes	7.67	0.0250	7.50	ND	102	43-135			
Surrogate: Bromofluorobenzene	0.544		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.4	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			
Matrix Spike Dup (2428055-MSD1)				Source:	E407057-	03	Prepared: 0'	7/10/24 Ana	alyzed: 07/11/24
Benzene	2.19	0.0250	2.50	ND	87.5	48-131	3.08	23	
Ethylbenzene	2.42	0.0250	2.50	ND	97.0	45-135	1.64	27	
Toluene	2.37	0.0250	2.50	ND	94.8	48-130	1.96	24	
o-Xylene	2.54	0.0250	2.50	ND	101	43-135	0.864	27	
p,m-Xylene	5.06	0.0500	5.00	ND	101	43-135	0.904	27	
Total Xylenes	7.60	0.0250	7.50	ND	101	43-135	0.891	27	
Surrogate: Bromofluorobenzene	0.542		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.464		0.500		92.8	70-130			
			0.500		102	50 120			

0.500

103

70-130

0.513

Surrogate: Toluene-d8

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

0.461

0.520

QC Summary Data

Jackson Unit #003 Vertex Resource Services Inc. Project Name: Reported: 3101 Boyd Drive Project Number: 24015-001

Carlsbad NM, 88220		Project Manager	: Ch	nance Dixon				7/	11/2024 3:41:06PM
	Non	halogenated (Organics l	by EPA 801	5D - Gl	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2428054-BLK1)							Prepared: 0	7/10/24 Ana	yzed: 07/10/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.540		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.446		0.500		89.2	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			
LCS (2428054-BS2)							Prepared: 0	7/10/24 Ana	lyzed: 07/10/24
Gasoline Range Organics (C6-C10)	57.4	20.0	50.0		115	70-130			
Surrogate: Bromofluorobenzene	0.540		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.458		0.500		91.6	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			
Matrix Spike (2428054-MS2)				Source: 1	E407053-	10	Prepared: 0	7/10/24 Ana	lyzed: 07/10/24
Gasoline Range Organics (C6-C10)	56.4	20.0	50.0	ND	113	70-130			
Surrogate: Bromofluorobenzene	0.535		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.468		0.500		93.6	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			
Matrix Spike Dup (2428054-MSD2)				Source: 1	E407053-	10	Prepared: 0	7/10/24 Ana	lyzed: 07/10/24
Gasoline Range Organics (C6-C10)	57.6	20.0	50.0	ND	115	70-130	2.08	20	
Surrogate: Bromofluorobenzene	0.538		0.500		108	70-130			

0.500

0.500

92.2

104

70-130

70-130



Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

QC Summary Data

Vertex Resource Services Inc.Project Name:Jackson Unit #003Reported:3101 Boyd DriveProject Number:24015-001Carlsbad NM, 88220Project Manager:Chance Dixon7/11/20243:41:06PM

Carlsbad NM, 88220		Project Manager	: Ch	nance Dixon				7/	11/2024 3:41:06PN
	Noi	nhalogenated (Organics	by EPA 801	5D - Gl	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2428055-BLK1)							Prepared: 0	7/10/24 Ana	lyzed: 07/11/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.529		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.457		0.500		91.3	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			
LCS (2428055-BS2)							Prepared: 0	7/10/24 Ana	lyzed: 07/11/24
Gasoline Range Organics (C6-C10)	57.2	20.0	50.0		114	70-130			
Surrogate: Bromofluorobenzene	0.549		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.455		0.500		91.0	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			
Matrix Spike (2428055-MS2)				Source: 1	E 407057 -0	03	Prepared: 0	7/10/24 Ana	lyzed: 07/11/24
Gasoline Range Organics (C6-C10)	55.5	20.0	50.0	ND	111	70-130			
Surrogate: Bromofluorobenzene	0.537		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.445		0.500		88.9	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			
Matrix Spike Dup (2428055-MSD2)				Source: 1	E 407057 -0	03	Prepared: 0	7/10/24 Ana	lyzed: 07/11/24
Gasoline Range Organics (C6-C10)	56.9	20.0	50.0	ND	114	70-130	2.39	20	
Surrogate: Bromofluorobenzene	0.561		0.500		112	70-130			

0.500

0.500

0.465

0.519

70-130

70-130

93.0

104



QC Summary Data

Vertex Resource Services Inc.Project Name:Jackson Unit #003Reported:3101 Boyd DriveProject Number:24015-001Carlsbad NM, 88220Project Manager:Chance Dixon7/11/20243:41:06PM

Carlsbad NM, 88220		Project Manage	r: Ch	ance Dixon				,	7/11/2024 3:41:06PN
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2428050-BLK1)							Prepared: 0	7/10/24 Ar	nalyzed: 07/10/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	59.7		50.0		119	50-200			
LCS (2428050-BS1)							Prepared: 0	7/10/24 Ar	nalyzed: 07/10/24
Diesel Range Organics (C10-C28)	318	25.0	250		127	38-132			
urrogate: n-Nonane	60.3		50.0		121	50-200			
Matrix Spike (2428050-MS1)				Source:	E407053-	08	Prepared: 0	7/10/24 Ar	nalyzed: 07/11/24
Diesel Range Organics (C10-C28)	329	25.0	250	ND	131	38-132			
urrogate: n-Nonane	61.8		50.0		124	50-200			
Matrix Spike Dup (2428050-MSD1)				Source:	E407053-	08	Prepared: 0	7/10/24 Ar	nalyzed: 07/11/24
Diesel Range Organics (C10-C28)	328	25.0	250	ND	131	38-132	0.155	20	
urrogate: n-Nonane	59.5		50.0		119	50-200			



QC Summary Data

Vertex Resource Services Inc.Project Name:Jackson Unit #003Reported:3101 Boyd DriveProject Number:24015-001Carlsbad NM, 88220Project Manager:Chance Dixon7/11/20243:41:06PM

Carlsbad NM, 88220		Project Manager	r: Ch	ance Dixon					7/11/2024 3:41:06PN
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2428051-BLK1)							Prepared: 0	7/10/24 A	nalyzed: 07/10/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	54.3		50.0		109	50-200			
LCS (2428051-BS1)							Prepared: 0	7/10/24 A	nalyzed: 07/10/24
Diesel Range Organics (C10-C28)	273	25.0	250		109	38-132			
urrogate: n-Nonane	58.2		50.0		116	50-200			
Matrix Spike (2428051-MS1)				Source:	E407054-0	04	Prepared: 0	7/10/24 A	nalyzed: 07/10/24
Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	38-132			
urrogate: n-Nonane	53.1		50.0		106	50-200			
Matrix Spike Dup (2428051-MSD1)				Source:	E407054-	04	Prepared: 0	7/10/24 A	nalyzed: 07/10/24
Diesel Range Organics (C10-C28)	278	25.0	250	ND	111	38-132	1.34	20	
hurrogate: n-Nonane	54.1		50.0		108	50-200			

Chloride

QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive	Project Name: Project Number:	Jackson Unit #003 24015-001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	7/11/2024 3:41:06PM

Carlsbad NM, 88220		Project Manager	: C	hance Dixon				7/1	1/2024 3:41:06PM
		Anions	by EPA 3	300.0/9056 <i>A</i>	\				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits		RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2428052-BLK1)							Prepared: 0	7/10/24 Anal	yzed: 07/10/24
Chloride	ND	20.0							
LCS (2428052-BS1)							Prepared: 0	7/10/24 Anal	yzed: 07/10/24
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2428052-MS1)				Source:	E407049-	01	Prepared: 0	7/10/24 Anal	yzed: 07/10/24
Chloride	281	200	250	ND	112	80-120			
Matrix Spike Dup (2428052-MSD1)			Source:	E407049-	01	Prepared: 0	7/10/24 Anal	yzed: 07/10/24	

250

200

110

80-120

2.01



QC Summary Data

Vertex Resource Services Inc.		Project Name: Jackson Unit #003						Reported:				
3101 Boyd Drive		Project Number:	24	4015-001					•			
Carlsbad NM, 88220		Project Manager	: C	hance Dixon					7/11/2024 3:41:06PM			
		Anions	by EPA 3	300.0/9056 <i>A</i>	4				Analyst: WF			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes			
Blank (2428058-BLK1)							Prepared: 0	7/10/24 A	nalyzed: 07/10/24			
Chloride	ND	20.0										
LCS (2428058-BS1)							Prepared: 0	7/10/24 A	nalyzed: 07/10/24			
Chloride	252	20.0	250		101	90-110						
Matrix Spike (2428058-MS1)				Source:	E407053-	03	Prepared: 0	7/10/24 A	nalyzed: 07/10/24			
Chloride	264	20.0	250	ND	106	80-120						
Matrix Spike Dup (2428058-MSD1)				Source:	E407053-	03	Prepared: 0	7/10/24 A	nalyzed: 07/10/24			
Chloride	263	20.0	250	ND	105	80-120	0.603	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

l	Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
l	3101 Boyd Drive	Project Number:	24015-001	Reported:
l	Carlsbad NM, 88220	Project Manager:	Chance Dixon	07/11/24 15:41

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.



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.

Client Information Client: Vertex (bill direct to Tap Rock)					Invoice Inform	mation				Lab	Use O	nly					TA	AT				State	9	
Client: V	ertex (bill dire	ct to Tap	Rock)		C	ompany: Tap Rock (Bill R	amsay)		Lab	WO#			Job Ni	umber			1D	2D	3D	Std	NM	СО	UT	TX
Project N	Name: Jackson	Unit #00	03		A	ddress:			E	107E	153		24	215	-000	10		X						
Project I	Manager: Chan	ce Dixor	1		C	ity, State, Zip:															_			
Project I	Number: 24E-0	3316			P	hone:						Α	nalysis	and N	/lethoo						EPA	Progr	am	
City, Sta	te, Zip:				E	mail:			41						-	-					SDWA	CV	VA	RCRA
Phone:						Niscellaneous: Direct bill t	to Tap Roc	k AT	TN:	115	8015													
Email: co	dixon@vertexr	esource.	com		В	ill Ramsay.				37 80		21	09	0.0	5	X	tals				Compliance		Y	or N
				Sar	nple Informati	on.				RO	ROE	y 80	, 8260	e 30	Z	002	8 Metals				PWSID#	1	marks	
Time Sampled	Date Sampled	Matrix	No. of Containers	Jai	inpie iliioriliaci	Sample ID		ield	Lab Numbe	DRO/ORO by 8015	GRO/DRO by	BTEX by 802	VOC by	Chloride 300.0	BGDOC - NM	TCEQ 1005	RCRA 8					Ke	Harks	
15:45	07.04.2024	Soil	1			BH24-05 2'		шш	1	X	X	X		X										
15:50	07.04.2024								2	X	X	X		X										
15:55	5:55 07.04.2024 Soil 1 BH24-05 4'							3	X	X	X		X											
16:00	07.04.2024	Soil	1		BH24-06 0'				4	X	X	X		X										
16:00	07.04.2024	Soil	1			BH24-06 1'			5	X	X	X		X										
16:05	07.04.2024	Soil	1			BH24-06 2'			6	X	X	X		X	ļ.									
16:10	07.04.2024	Soil	Î			BH24-06 3'			7	X	X	X		X										
16:15	07.04.2024	Soil	1			BH24-06 4'			8	X	X	X		X										
8:00	07.05.2024	Soil	1			BH24-07 0'			9	X	X	X		X										
8:05	07.05.2024	Soil	1			BH24-07 1'			10	X	X	X		X										
Additional Instructions: Direct bill to Tap Rock ATTN: Bill Ramsay. Please ema														verte	reso	ırce.c	om							
Relinquished by Signature) Date 7-9-1014 O7:1				77:00		zales	T-C	924	Time	70	O									he day they are than E ⁴ C on subse	quent days			
Relinquished by (Signature) Nichelic Good of 79.24 17			1725	Received by: (Signature)		7.	9.24	Time	12	5			Receiv	ed on	ice:	Ø/ 1		Use O	nly					
Relinquished by: (Signature) Date 7.9.1 Relinquished by: (Signature) Date Time			1345	Received by: (Signature) Received by: (Signature)	- 10	3-	10-24	08	30				T1	_			<u>T2</u>		-	<u>T3</u>		_		
													AVG T	emp °C	9	-								
sample Matrix: 5 - Soil, 5d - Solid, 5g - Sludge, A - Aqueous, O - Other							iner Type:																	

Client Information Client: Vertex (bill direct to Tap Rock)					Invoice Informat	tion			Lal	Use C	nly		TAT State												
Client: V	ertex (bill dire	ct to Tap	Rock)		С	ompany: Tap Rock (Bill Ram	nsay)	La	b WO#			Job N	umber			1D	2D	3D	Std		NM	со	UT	TX	
Project	Name: Jackson	Unit #00)3		A	ddress:		E	407	05	3	29	015	-00	100		X								
Project	Manager: Chan	ce Dixon			c	ity, State, Zip:						100								_			_	7	
Project	Number: 24E-0	3316			P	hone:						Analysis	and N	Method	1						EPA	Progra	m		-
City, Sta	te, Zip:				E	mail:														SDWA		CM	/A	RC	RA
Phone:						Miscellaneous: Direct bill to	Tap Rock AT	TN:	115	8015															
Email: co	dixon@vertexr	esource.d	com		В	ill Ramsay.)y 8C)y 80	21	0	0.0	5	XT-	tals				Compl	iance		Y	or	N
				Con	anla Informati				ROB	ROE	y 8021	826	e 30	NN -	002	8 Metals				PWSIE	#	Dan	- and an		
Time	Date Sampled	Matrix	No. of Containers	Sai	nple Informati	Sample ID	ield	Lab	~	GRO/DRO by	BTEX by	VOC by 8260	Chloride 300.0	BGDOC	TCEQ 1005	RCRA 8						Ken	narks		
Sampled 8:10	07.05.2024	Soil	1			BH24-07 2'	12 2	Numb	X	X	X	>	X	8	-	~									
8:15	07.05.2024	Soil	1			BH24-07 3'		11	X	X	X		X												
8:25	07.05.2024	Soil	ì			BH24-07 4'			X	X	X		X												
8:35	07.05.2024	Soil	1			BH24-08 0'		13										-					_		
-	- and the second	- 77.55	1			10/-11/-01		14	X	X	X		X												
8:40	07.05.2024	Soil				BH24-08 1'	1.3	15	X	X	X		X												
8:45	07.05.2024	Soil	1	5555		BH24-08 2'		16	X	X	X		X												
8:50	07.05.2024	Soil	1			BH24-08 3'	111	17	X	X	X		X												
9:00	07.05.2024	Soil	1			BH24-08 4'		18	X	X	X		X												
9:35	07.05.2024	Soil	I			BH24-02 5'		19	X	X	X		X												
9:40	07.05.2024	Soil	1			BH24-02 6'		20	X	X	X		X												
	r), attest to the validity a					msay. Please email final report of the sample location,									resoi	urce.c	com								
Relinquisher by Signature) Date 7-92024 07:00 Received by: (Signature) Received by: (Signature) Received by: (Signature)						rles 7-	9-24	Time	070	Go							g temp an		o the day the		ent days				
Relinquished by: (Signature) Relinquished by: (Signature) Relinquished by: (Signature) Date 7-9-24 Time Relinquished by: (Signature) Relinquished by: (Signature) Date 7-9-24 Time Relinquished by: (Signature)					Received by: (Signature)	7. Date	9.2	Time	12				Receiv	ed on	ice:	0/		o ose c	Zilly		T2				
Reimfurshed by: (Signature) 7.4.24 Date Time					Received by: (Signature)	7-1 Date	0-24	Time	30				AVG T	emp °C	4		12				<u>T3</u>				
Sample Matrix	S - Soil, Sd - Solid, Sg - S	ludge, A - Aque	eous O - Other _			1	Conta	iner Type	g - glass	, p - po	ly/plast	ic, ag - a	amber	glass, v	- VOA										
Note: Sampl	as are discarded 14 da	ays after resu	ults are reporte	ed unless ot	her arrangements	s are made. Hazardous samples will be re	eturned to client	or dispose	d of at the	client ex	pense.	The repo	rt for th	e analys	is of the	above	sample	s is	•						

@ envirotech

Chain of Custon

Page S of S

Received by OCD: 7/15/2025 2:32:24 PM

	Clie	nt Inforn	nation				Invoice In	nformation			Lab Use Only			TAT			State									
Client: V	ertex (bill dire	ct to Tap	Rock)		C	ompany:	Tap Rock (Bill Ramsay)		La	b WO#			Job N	umber			1D	2D	3D	Std		NM	co u	IT T	ΓX
Project	Name: Jackson	Unit #00)3		A	ddress:								20	101	5-0	100		X			1 1				
Project	Manager: Chan	ce Dixon	F .		c	ity, State	, Zip:															1 1				
Project	Number: 24E-0	3316			P	hone:							-	Analysis	and N	Nethod	d					EPA Program				
City, Sta	te, Zip:				E	mail:				5			1									SDWA		CWA	T	RCRA
Phone:					N	liscellane	eous: Direct	bill to Tap Ro	ock AT	TN:	15	15													+	
	mail: cdixon@vertexresource.com				В	ill Ramsa	ıy.					/ 80	-		0.0	2	×	sle				Compli	iance		Y (or N
	7. N. 2. 3. 3. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.									-	O by	O by	802	3260	300	Z	- 50	Meta				PWSID	#			_
	Tu and the		In the second	Sam	ple Informati				1		No.	/DR	by	by 8	ride	00	3 10	1 8						Remark	5	
Time Sampled	Date Sampled	Matrix	No of Containers			Sampl	e ID		Field	Lab Numb		GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals								
10:00	07.05.2024	Soil	1			BH24-0	05.5'			21	X	X	X		X											
									1																	
									1		+	+									-					
							-				+	-														
											-	-			_											
Addition	al Instructions	: Direct	bill to Ta	Rock A	TTN: Bill Ra	msay. Ple	ease email f	final report to	cdixo	n@ve	rtexres	ource.	.com,	perma	ain@v	vertex	reso	urce.c	om							
	r), attest to the validity a	nd authenticity	of this sample	I am aware the	at tampering with o	r intentionally	mislabeling the sam	nple location, date or ti	me of colle	ction is co	nsidered fra	ud and ma	y be grou	inds for leg	al action	4										
Sampled by: L. Relinquished	Pullman by: (Signature)		Date	- 77	Time	Received	by: (Signature)		Date		Time			-		Samples n	equiring th	erma) presi	ervation m	ust be rece	ived on ice	the day they	are			
3.bRu	DW			2024	07:00	Migel	relle G	onzales	7-0	1-24	0	70	0			sampled o	rreceived	packed in i	e at an av	g temp abo	ove 0 but res	ss than 6°C o	in subseque	nt days		
Religionshed	relle Go	narle	Date	1.24	1725	Received t	by: (Signature)	U	Date	9.2	Time	72				Danal		955.	0/		Use O	nly				
_	by: (Signature)	0	Date		Time	Received b	by: (Signature)		Date		Time	10.	د			Receiv	eu on	ice:	9/							
(L	M.		7.	9.24	2345	_	5	P	7-1	0-24	1 0	330)			11		-		12				T3	_	
Reimquished	by: (Signature)		Date		Time	Received b	by: (Signature)		Date		Time					AVG T	emp °(4								
Sample Matrix	S - Soil, Sd - Solid, Sg - S	udge, A - Aque	ous, O - Other _			1			Contai	ner Type	e: g - glas	, p - po	ly/plast	ic, ag - a												
Reimquished Sample Matrix Note: Sample	by: (Signature)	ys after resu	Date Date Date	ed unless oth		Received b	by: (Signature)		7-V Date Contai	r dispose	Time	s, p - po	ly/plast		mber	glass, v	- VOA		samples	T2				ΤŜ		

envirotech Inc.

Printed: 7/10/2024 2:41:17PM

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:	07/10/24 08	3:30	,	Work Order ID:	E407053
Phone:	(575) 748-0176	Date Logged In:	07/09/24 18	3:05		Logged In By:	Alexa Michaels
Email:	cdixon@vertex.ca	Due Date:	07/11/24 17	7:00 (1 day TAT)			
	Custody (COC)		Yes				
	e sample ID match the COC? e number of samples per sampling site location materials.	tch the COC					
	imples dropped off by client or carrier?	ion inc coc	Yes Yes	Ci C	7		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	Carrier: <u>C</u>	<u>ourier</u>		
	I samples received within holding time?	sted analyses:	Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.	•	103	ı		Comment	s/Resolution
	urn Around Time (TAT)				Iackson Uni	it #003 has l	peen separated into
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				-
Sample C					1 -	_	h sample volume.
	ample cooler received?		Yes		WO are E40	07052 and V	VO E407053.
•	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? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample		Yes C				
Sample C							
	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				
	on-VOC samples collected in the correct containers'	?	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab	· · · · · · · · · · · · · · · · · · ·						
	field sample labels filled out with the minimum info	ormation:					
	ımple ID?		Yes				
Da	ate/Time Collected?		Yes	ı			
Co	ollectors name?		Yes				
	<u>reservation</u>						
	the COC or field labels indicate the samples were pr	reserved?	No				
	mple(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
	se Sample Matrix						
26. Does t	he sample have more than one phase, i.e., multipha	se?	No				
27. If yes,	does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontra	act Laboratory						
	mples required to get sent to a subcontract laborato	ry?	No				
29. Was a	subcontract laboratory specified by the client and it	f so who?	NA	Subcontract Lab	o: NA		
	struction						
Chefft III	struction						

Date

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

Released to Imaging: 8/12/2025 11:44:26 AM

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 Unit #003

Work Order: E407173

Job Number: 24015-0001

Received: 7/23/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 7/29/24

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: 7/29/24

Chance Dixon 3101 Boyd Drive Carlsbad, NM 88220

Project Name: Jackson Unit #003

Workorder: E407173

Date Received: 7/23/2024 8:30:00AM

Chance Dixon,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/23/2024 8:30:00AM, under the Project Name: Jackson Unit #003.

The analytical test results summarized in this report with the Project Name: Jackson Unit #003 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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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

Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	Donoutoda
3101 Boyd Drive	Project Number:	24015-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	07/29/24 05:41

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH24 - 09 0'	E407173-01A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
BH24 - 09 2'	E407173-02A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
BH24 - 09 4'	E407173-03A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
BH24 - 10 0'	E407173-04A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
BH24 - 10 2'	E407173-05A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
BH24 - 11 0'	E407173-06A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
BH24 - 11 2'	E407173-07A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
BH24 - 11 4'	E407173-08A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
BH24 - 12 0'	E407173-09A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
BH24 - 12 2'	E407173-10A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
BH24 - 13 0'	E407173-11A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
BH24 - 13 2'	E407173-12A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
BH24 - 13 4'	E407173-13A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
BH24 - 14 0'	E407173-14A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
BH24 - 14 2'	E407173-15A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
BH24 - 14 4'	E407173-16A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
BH24 - 15 0'	E407173-17A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
BH24 - 15 2'	E407173-18A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
BH24 - 15 4'	E407173-19A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
BH24 - 16 0'	E407173-20A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
BH24 - 16 2'	E407173-21A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
BH24 - 16 4'	E407173-22A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
BH24 - 17 0'	E407173-23A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
BH24 - 17 2'	E407173-24A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
BH24 - 17 4'	E407173-25A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-0001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/29/2024 5:41:40AM

BH24 - 09 0' E407173-01

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: Г	Y		Batch: 2430047
Benzene	ND	0.0250	1		07/23/24	07/23/24	
Ethylbenzene	ND	0.0250	1		07/23/24	07/23/24	
Toluene	ND	0.0250	1		07/23/24	07/23/24	
o-Xylene	ND	0.0250	1		07/23/24	07/23/24	
p,m-Xylene	ND	0.0500	1		07/23/24	07/23/24	
Total Xylenes	ND	0.0250	1		07/23/24	07/23/24	
Surrogate: Bromofluorobenzene		97.8 %	70-130		07/23/24	07/23/24	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130		07/23/24	07/23/24	
Surrogate: Toluene-d8		107 %	70-130		07/23/24	07/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: I	Y		Batch: 2430047
Gasoline Range Organics (C6-C10)	ND	20.0	1		07/23/24	07/23/24	
Surrogate: Bromofluorobenzene		97.8 %	70-130		07/23/24	07/23/24	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130		07/23/24	07/23/24	
Surrogate: Toluene-d8		107 %	70-130		07/23/24	07/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: K	ζM		Batch: 2430041
Diesel Range Organics (C10-C28)	ND	25.0	1		07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1		07/23/24	07/23/24	
Surrogate: n-Nonane		120 %	50-200		07/23/24	07/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: V	WF		Batch: 2430049
14Hions by E111 500:0/703011							



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-0001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/29/2024 5:41:40AM

BH24 - 09 2'

		E407173-02					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2430047
Benzene	ND	0.0250		1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250		1	07/23/24	07/24/24	
Toluene	ND	0.0250		1	07/23/24	07/24/24	
o-Xylene	ND	0.0250		1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500		1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250		1	07/23/24	07/24/24	
Surrogate: Bromofluorobenzene		98.7 %	70-130		07/23/24	07/24/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		07/23/24	07/24/24	
Surrogate: Toluene-d8		106 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2430047
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/23/24	07/24/24	
Surrogate: Bromofluorobenzene		98.7 %	70-130		07/23/24	07/24/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		07/23/24	07/24/24	
Surrogate: Toluene-d8		106 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	KM		Batch: 2430041
Diesel Range Organics (C10-C28)	45.0	25.0		1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0		1	07/23/24	07/23/24	
Surrogate: n-Nonane		64.6 %	50-200		07/23/24	07/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	WF		Batch: 2430049
Chloride	ND	20.0		1	07/23/24	07/23/24	



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-0001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/29/2024 5:41:40AM

BH24 - 09 4' E407173-03

Result	Limit	Dilut	ion Prepared	Analyzed	Notes
mg/kg	mg/kg	A	Analyst: IY		Batch: 2430047
ND	0.0250	1	07/23/24	07/24/24	
ND	0.0250	1	07/23/24	07/24/24	
ND	0.0250	1	07/23/24	07/24/24	
ND	0.0250	1	07/23/24	07/24/24	
ND	0.0500	1	07/23/24	07/24/24	
ND	0.0250	1	07/23/24	07/24/24	
	106 %	70-130	07/23/24	07/24/24	
	103 %	70-130	07/23/24	07/24/24	
	104 %	70-130	07/23/24	07/24/24	
mg/kg	mg/kg	A	Analyst: IY		Batch: 2430047
51.8	20.0	1	07/23/24	07/24/24	
	106 %	70-130	07/23/24	07/24/24	
	103 %	70-130	07/23/24	07/24/24	
	104 %	70-130	07/23/24	07/24/24	
mg/kg	mg/kg	A	Analyst: KM		Batch: 2430041
2880	25.0	1	07/23/24	07/23/24	
331	50.0	1	07/23/24	07/23/24	
	125 %	50-200	07/23/24	07/23/24	
mg/kg	mg/kg	A	Analyst: WF		Batch: 2430049
	ND ND ND ND ND ND ND State of the state of t	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 IO6 % 103 % 104 % 103 % 106 % 103 % 104 % 104 % mg/kg mg/kg mg/kg 25.0 331 50.0	Result Limit Dilut mg/kg mg/kg A ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 106% 70-130 104% 70-130 mg/kg mg/kg A 106% 70-130 104% 70-130 104% 70-130 mg/kg mg/kg A mg/kg mg/kg A 2880 25.0 1 331 50.0 1	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 07/23/24 ND 0.0250 1 07/23/24 ND 0.0250 1 07/23/24 ND 0.0250 1 07/23/24 ND 0.0500 1 07/23/24 ND 0.0250 1 07/23/24 ND 0.0250 1 07/23/24 106 % 70-130 07/23/24 103 % 70-130 07/23/24 mg/kg mg/kg Analyst: IY 51.8 20.0 1 07/23/24 106 % 70-130 07/23/24 103 % 70-130 07/23/24 104 % 70-130 07/23/24 104 % 70-130 07/23/24 mg/kg mg/kg Analyst: KM 2880 25.0 1 07/23/24 331 50.0 1 07/23/24	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 07/23/24 07/24/24 ND 0.0500 1 07/23/24 07/24/24 ND 0.0250 1 07/23/24 07/24/24 ND 0.0250 1 07/23/24 07/24/24 ND 0.0250 1 07/23/24 07/24/24 106 % 70-130 07/23/24 07/24/24 103 % 70-130 07/23/24 07/24/24 mg/kg mg/kg Analyst: IY 07/23/24 07/24/24 104 % 70-130 07/23/24 07/24/24 104 % 70-130 07/23/24 07/24/24 mg/kg mg/kg Analyst: KM 2



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-0001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/29/2024 5:41:40AM

BH24 - 10 0'

		E407173-04					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2430047
Benzene	ND	0.0250	1	[07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	1	07/23/24	07/24/24	
Toluene	ND	0.0250	1	l	07/23/24	07/24/24	
o-Xylene	ND	0.0250	1	l	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1	[07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1	l	07/23/24	07/24/24	
Surrogate: Bromofluorobenzene		100 %	70-130		07/23/24	07/24/24	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130		07/23/24	07/24/24	
Surrogate: Toluene-d8		104 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2430047
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	07/23/24	07/24/24	
Surrogate: Bromofluorobenzene		100 %	70-130		07/23/24	07/24/24	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130		07/23/24	07/24/24	
Surrogate: Toluene-d8		104 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2430041
Diesel Range Organics (C10-C28)	26.0	25.0	1		07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	[07/23/24	07/23/24	
Surrogate: n-Nonane		125 %	50-200		07/23/24	07/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2430049
Chloride	ND	20.0	1		07/23/24	07/23/24	



Surrogate: Toluene-d8

Diesel Range Organics (C10-C28)

Oil Range Organics (C28-C36)

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Sample Data

Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-0001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/29/2024 5:41:40AM

BH24 - 10 2' E407173-05

Reporting Analyte Limit Dilution Analyzed Result Prepared Notes Analyst: IY Batch: 2430047 mg/kg mg/kg Volatile Organic Compounds by EPA 8260B 07/23/24 07/24/24 ND 0.0250 Benzene 07/23/24 07/24/24 Ethylbenzene ND 0.02501 ND 0.0250 1 07/23/24 07/24/24 Toluene 1 07/23/24 07/24/24 o-Xylene ND 0.025007/23/24 07/24/24 ND 0.0500 1 p,m-Xylene 07/23/24 07/24/24 1 Total Xylenes ND 0.0250 96.9 % 07/23/24 07/24/24 Surrogate: Bromofluorobenzene 70-130 07/24/24 Surrogate: 1,2-Dichloroethane-d4 99.6 % 70-130 07/23/24 Surrogate: Toluene-d8 106 % 70-130 07/23/24 07/24/24 Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: IY Batch: 2430047 ND 1 07/23/24 07/24/24 20.0 Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene 96.9 % 07/23/24 07/24/24 70-130 99.6 % 07/24/24 Surrogate: 1,2-Dichloroethane-d4 70-130 07/23/24

07/23/24

07/23/24

07/23/24

Analyst: KM

1

1

07/24/24

07/23/24

07/23/24

Batch: 2430041

Surrogate: n-Nonane		115 %	50-200		07/23/24	07/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: W	F		Batch: 2430049
Chloride	ND	20.0		1	07/23/24	07/23/24	

106 %

mg/kg

ND

ND

mg/kg

25.0

50.0

70-130



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-0001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/29/2024 5:41:40AM

BH24 - 11 0' E407173-06

		E40/1/3-00					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2430047
Benzene	ND	0.0250	1		07/23/24	07/23/24	
Ethylbenzene	ND	0.0250	1		07/23/24	07/23/24	
Toluene	ND	0.0250	1		07/23/24	07/23/24	
o-Xylene	ND	0.0250	1		07/23/24	07/23/24	
p,m-Xylene	ND	0.0500	1		07/23/24	07/23/24	
Total Xylenes	ND	0.0250	1	l	07/23/24	07/23/24	
Surrogate: Bromofluorobenzene		98.7 %	70-130		07/23/24	07/23/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		07/23/24	07/23/24	
Surrogate: Toluene-d8		104 %	70-130		07/23/24	07/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2430047
Gasoline Range Organics (C6-C10)	ND	20.0	1		07/23/24	07/23/24	
Surrogate: Bromofluorobenzene		98.7 %	70-130		07/23/24	07/23/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		07/23/24	07/23/24	
Surrogate: Toluene-d8		104 %	70-130		07/23/24	07/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2430041
Diesel Range Organics (C10-C28)	ND	25.0	1		07/23/24	07/23/24	_
Oil Range Organics (C28-C36)	ND	50.0	1		07/23/24	07/23/24	
Surrogate: n-Nonane		114 %	50-200	·	07/23/24	07/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2430049
Chloride	53.6	20.0	1		07/23/24	07/23/24	



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-0001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/29/2024 5:41:40AM

BH24 - 11 2'

E407173-07 Reporting Analyte Limit Dilution Analyzed Result Prepared Notes Analyst: IY Batch: 2430047 mg/kg mg/kg **Volatile Organic Compounds by EPA 8260B** 07/23/24 07/24/24 ND 0.0250 Benzene 07/23/24 07/24/24 Ethylbenzene ND 0.0250 1 ND 0.0250 07/23/24 07/24/24 Toluene 1 07/23/24 07/24/24 o-Xylene ND 0.0250 07/23/24 07/24/24 ND 0.0500 1 p,m-Xylene 07/23/24 07/24/24 1 Total Xylenes ND 0.0250 07/23/24 07/24/24 Surrogate: Bromofluorobenzene 96.8 % 70-130 Surrogate: 1,2-Dichloroethane-d4 97.8 % 70-130 07/23/24 07/24/24 Surrogate: Toluene-d8 104 % 70-130 07/23/24 07/24/24 Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: IY Batch: 2430047 ND 1 07/23/24 07/24/24 20.0 Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene 07/23/24 07/24/24 96.8 % 70-130 97.8 % 07/24/24 Surrogate: 1,2-Dichloroethane-d4 70-130 07/23/24 Surrogate: Toluene-d8 07/23/24 07/24/24 104 % 70-130 mg/kg Analyst: KM Batch: 2430041 mg/kg Nonhalogenated Organics by EPA 8015D - DRO/ORO 07/23/24 ND 25.0 1 07/23/24 Diesel Range Organics (C10-C28) ND 50.0 1 07/23/24 07/23/24 Oil Range Organics (C28-C36) 119 % 50-200 07/23/24 07/23/24 Surrogate: n-Nonane Anions by EPA 300.0/9056A mg/kg mg/kg Analyst: WF Batch: 2430049

20.0

106

1

07/23/24

07/24/24



Chloride

Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-0001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/29/2024 5:41:40AM

BH24 - 11 4' E407173-08

		E40/1/3-08					
	D. Iv	Reporting			D 1		N
Analyte	Result	Limit	Dilt	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2430047
Benzene	ND	0.0250		1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250		1	07/23/24	07/24/24	
Toluene	ND	0.0250		1	07/23/24	07/24/24	
o-Xylene	ND	0.0250		1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500		1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250		1	07/23/24	07/24/24	
Surrogate: Bromofluorobenzene		99.0 %	70-130		07/23/24	07/24/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		07/23/24	07/24/24	
Surrogate: Toluene-d8		105 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2430047
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/23/24	07/24/24	
Surrogate: Bromofluorobenzene		99.0 %	70-130		07/23/24	07/24/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		07/23/24	07/24/24	
Surrogate: Toluene-d8		105 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KM		Batch: 2430041
Diesel Range Organics (C10-C28)	ND	25.0		1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	:	1	07/23/24	07/23/24	
Surrogate: n-Nonane		121 %	50-200		07/23/24	07/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: WF		Batch: 2430049
Chloride	404	20.0		1	07/23/24	07/24/24	



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-0001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/29/20245:41:40AM

BH24 - 12 0' E407173-09

Result			on Prepared	Analyzed	Notes
			1		Batch: 2430047
	<u> </u>	1		07/24/24	Datell. 2 15 00 47
		1		07/24/24	
		1	07/23/24	07/24/24	
ND	0.0250	1	07/23/24	07/24/24	
ND	0.0500	1	07/23/24	07/24/24	
ND	0.0250	1	07/23/24	07/24/24	
	99.5 %	70-130	07/23/24	07/24/24	
	99.7 %	70-130	07/23/24	07/24/24	
	106 %	70-130	07/23/24	07/24/24	
mg/kg	mg/kg	A	nalyst: IY		Batch: 2430047
ND	20.0	1	07/23/24	07/24/24	
	99.5 %	70-130	07/23/24	07/24/24	
	99.7 %	70-130	07/23/24	07/24/24	
	106 %	70-130	07/23/24	07/24/24	
mg/kg	mg/kg	A	nalyst: KM		Batch: 2430041
ND	25.0	1	07/23/24	07/24/24	-
ND	50.0	1	07/23/24	07/24/24	
	116 %	50-200	07/23/24	07/24/24	
mg/kg	mg/kg	A	nalyst: WF		Batch: 2430049
48.5	20.0	1	07/23/24	07/24/24	
	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 ND 0.0250 99.5 % 99.7 % 106 % 106 % mg/kg mg/kg ND 20.0 99.5 % 99.7 % 106 % 106 % mg/kg mg/kg ND 25.0 ND 50.0 116 % mg/kg mg/kg mg/kg	mg/kg mg/kg A ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 99.5 % 70-130 99.7 % 70-130 106 % 70-130 99.5 % 70-130 99.7 % 70-130 99.7 % 70-130 106 % 70-130 mg/kg mg/kg A ND 25.0 1 ND 50.0 1 116 % 50-200 mg/kg mg/kg A	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 07/23/24 ND 0.0250 1 07/23/24 ND 0.0250 1 07/23/24 ND 0.0250 1 07/23/24 ND 0.0500 1 07/23/24 ND 0.0250 1 07/23/24 ND 0.0250 1 07/23/24 99.5 % 70-130 07/23/24 99.7 % 70-130 07/23/24 106 % 70-130 07/23/24 99.5 % 70-130 07/23/24 99.7 % 70-130 07/23/24 106 % 70-130 07/23/24 106 % 70-130 07/23/24 mg/kg mg/kg Analyst: KM ND 25.0 1 07/23/24 ND 50.0 1 07/23/24 ND 50.0 1 07/23/24	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 07/23/24 07/24/24 ND 0.0500 1 07/23/24 07/24/24 ND 0.0250 1 07/23/24 07/24/24 ND 0.0250 1 07/23/24 07/24/24 ND 0.0250 1 07/23/24 07/24/24 99.5 % 70-130 07/23/24 07/24/24 99.7 % 70-130 07/23/24 07/24/24 mg/kg mg/kg Analyst: IV ND 20.0 1 07/23/24 07/24/24 99.5 % 70-130 07/23/24 07/24/24 99.7 % 70-130 07/23/24 07/24/24 mg/kg



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-0001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/29/2024 5:41:40AM

BH24 - 12 2' E407173-10

		E40/1/3-10					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2430047
Benzene	ND	0.0250	1	l	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	l	07/23/24	07/24/24	
Toluene	ND	0.0250	1	l	07/23/24	07/24/24	
o-Xylene	ND	0.0250	1	l	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1	l	07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1	l	07/23/24	07/24/24	
Surrogate: Bromofluorobenzene		99.1 %	70-130		07/23/24	07/24/24	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130		07/23/24	07/24/24	
Surrogate: Toluene-d8		107 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2430047
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	07/23/24	07/24/24	
Surrogate: Bromofluorobenzene		99.1 %	70-130		07/23/24	07/24/24	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130		07/23/24	07/24/24	
Surrogate: Toluene-d8		107 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2430041
Diesel Range Organics (C10-C28)	ND	25.0	1	1	07/23/24	07/24/24	_
Oil Range Organics (C28-C36)	ND	50.0	1	l	07/23/24	07/24/24	
Surrogate: n-Nonane		117 %	50-200		07/23/24	07/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2430049
Chloride	76.5	20.0	1	1	07/23/24	07/24/24	



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-0001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/29/2024 5:41:40AM

BH24 - 13 0'

E407173-11

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2430047
Benzene	ND	0.0250		1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250		1	07/23/24	07/24/24	
Toluene	ND	0.0250		1	07/23/24	07/24/24	
o-Xylene	ND	0.0250		1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500		1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250		1	07/23/24	07/24/24	
Surrogate: Bromofluorobenzene		97.6 %	70-130		07/23/24	07/24/24	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130		07/23/24	07/24/24	
Surrogate: Toluene-d8		104 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2430047
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/23/24	07/24/24	
Surrogate: Bromofluorobenzene		97.6 %	70-130		07/23/24	07/24/24	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130		07/23/24	07/24/24	
Surrogate: Toluene-d8		104 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KM		Batch: 2430041
Diesel Range Organics (C10-C28)	ND	25.0		1	07/23/24	07/24/24	
Oil Range Organics (C28-C36)	ND	50.0		1	07/23/24	07/24/24	
Surrogate: n-Nonane		121 %	50-200		07/23/24	07/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: WF		Batch: 2430049
	ND	20.0		1	07/23/24	07/24/24	



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-0001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/29/2024 5:41:40AM

BH24 - 13 2'

E407173-12

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: I	IY		Batch: 2430047
Benzene	ND	0.0250	1		07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1		07/23/24	07/24/24	
Toluene	ND	0.0250	1		07/23/24	07/24/24	
o-Xylene	ND	0.0250	1		07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1		07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1		07/23/24	07/24/24	
Surrogate: Bromofluorobenzene	·	95.0 %	70-130		07/23/24	07/24/24	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130		07/23/24	07/24/24	
Surrogate: Toluene-d8		107 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: I	IY		Batch: 2430047
Gasoline Range Organics (C6-C10)	ND	20.0	1		07/23/24	07/24/24	
Surrogate: Bromofluorobenzene		95.0 %	70-130		07/23/24	07/24/24	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130		07/23/24	07/24/24	
Surrogate: Toluene-d8		107 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst: I	KM		Batch: 2430041
Diesel Range Organics (C10-C28)	ND	25.0	1		07/23/24	07/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1		07/23/24	07/24/24	
Surrogate: n-Nonane		122 %	50-200		07/23/24	07/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: V	WF		Batch: 2430049



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-0001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/29/2024 5:41:40AM

BH24 - 13 4'

		E407173-13					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2430047
Benzene	ND	0.0250		1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250		1	07/23/24	07/24/24	
Toluene	ND	0.0250		1	07/23/24	07/24/24	
o-Xylene	ND	0.0250		1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500		1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250		1	07/23/24	07/24/24	
Surrogate: Bromofluorobenzene		97.4 %	70-130		07/23/24	07/24/24	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130		07/23/24	07/24/24	
Surrogate: Toluene-d8		105 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2430047
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/23/24	07/24/24	
Surrogate: Bromofluorobenzene		97.4 %	70-130		07/23/24	07/24/24	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130		07/23/24	07/24/24	
Surrogate: Toluene-d8		105 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	KM		Batch: 2430041
Diesel Range Organics (C10-C28)	ND	25.0		1	07/23/24	07/24/24	
Oil Range Organics (C28-C36)	ND	50.0		1	07/23/24	07/24/24	
Surrogate: n-Nonane		115 %	50-200		07/23/24	07/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	WF		Batch: 2430049
Chloride	66.3	20.0		1	07/23/24	07/24/24	



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-0001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/29/2024 5:41:40AM

BH24 - 14 0'

E407173-14

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2430047
Benzene	ND	0.0250	1		07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1		07/23/24	07/24/24	
Toluene	ND	0.0250	1		07/23/24	07/24/24	
o-Xylene	ND	0.0250	1		07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1		07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1		07/23/24	07/24/24	
Surrogate: Bromofluorobenzene		96.6 %	70-130		07/23/24	07/24/24	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130		07/23/24	07/24/24	
Surrogate: Toluene-d8		106 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2430047
Gasoline Range Organics (C6-C10)	ND	20.0	1	ļ	07/23/24	07/24/24	
Surrogate: Bromofluorobenzene		96.6 %	70-130		07/23/24	07/24/24	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130		07/23/24	07/24/24	
Surrogate: Toluene-d8		106 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM			Batch: 2430041
Diesel Range Organics (C10-C28)	ND	25.0	1		07/23/24	07/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	ļ.	07/23/24	07/24/24	
Surrogate: n-Nonane		116 %	50-200		07/23/24	07/24/24	
A L. EDA 200 0/005/ A	mg/kg	mg/kg		Analyst:	WF		Batch: 2430049
Anions by EPA 300.0/9056A	υ υ	υ υ					



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-0001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/29/2024 5:41:40AM

BH24 - 14 2'

E407173-15

		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2430047
Benzene	ND	0.0250	1	1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	1	07/23/24	07/24/24	
Toluene	ND	0.0250	1	1	07/23/24	07/24/24	
o-Xylene	ND	0.0250	1	1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1	1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1	1	07/23/24	07/24/24	
Surrogate: Bromofluorobenzene		97.6 %	70-130		07/23/24	07/24/24	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130		07/23/24	07/24/24	
Surrogate: Toluene-d8		107 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2430047
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	07/23/24	07/24/24	
Surrogate: Bromofluorobenzene		97.6 %	70-130		07/23/24	07/24/24	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130		07/23/24	07/24/24	
Surrogate: Toluene-d8		107 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2430041
Diesel Range Organics (C10-C28)	ND	25.0	1	1	07/23/24	07/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	07/23/24	07/24/24	
Surrogate: n-Nonane		117 %	50-200	·	07/23/24	07/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2430049



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-0001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/29/2024 5:41:40AM

BH24 - 14 4'

		E407173-16					
		Reporting					
Analyte	Result	Limit	Dilu	tion Pr	epared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY			Batch: 2430047
Benzene	ND	0.0250	1	. 07	/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	. 07	/23/24	07/24/24	
Toluene	ND	0.0250	1	. 07	/23/24	07/24/24	
o-Xylene	ND	0.0250	1	07	/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1	07	/23/24	07/24/24	
Total Xylenes	ND	0.0250	1	. 07	/23/24	07/24/24	
Surrogate: Bromofluorobenzene		98.6 %	70-130	07	7/23/24	07/24/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	07	//23/24	07/24/24	
Surrogate: Toluene-d8		107 %	70-130	07	7/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2430047
Gasoline Range Organics (C6-C10)	ND	20.0	1	07	/23/24	07/24/24	
Surrogate: Bromofluorobenzene		98.6 %	70-130	07	//23/24	07/24/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	07	//23/24	07/24/24	
Surrogate: Toluene-d8		107 %	70-130	07	//23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM			Batch: 2430041
Diesel Range Organics (C10-C28)	ND	25.0	1	07	/23/24	07/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07	/23/24	07/24/24	
Surrogate: n-Nonane		120 %	50-200	07	//23/24	07/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF			Batch: 2430049

20.0

07/23/24

07/24/24

72.6



Chloride

Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-0001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/29/2024 5:41:40AM

BH24 - 15 0'

E407173-17

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: l	IY		Batch: 2430047
Benzene	ND	0.0250	1		07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1		07/23/24	07/24/24	
Toluene	ND	0.0250	1		07/23/24	07/24/24	
o-Xylene	ND	0.0250	1		07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1		07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1		07/23/24	07/24/24	
Surrogate: Bromofluorobenzene		100 %	70-130		07/23/24	07/24/24	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		07/23/24	07/24/24	
Surrogate: Toluene-d8		108 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: l	IY		Batch: 2430047
Gasoline Range Organics (C6-C10)	ND	20.0	1		07/23/24	07/24/24	
Surrogate: Bromofluorobenzene		100 %	70-130		07/23/24	07/24/24	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		07/23/24	07/24/24	
Surrogate: Toluene-d8		108 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst: l	KM		Batch: 2430041
Diesel Range Organics (C10-C28)	ND	25.0	1		07/23/24	07/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1		07/23/24	07/24/24	
Surrogate: n-Nonane		120 %	50-200		07/23/24	07/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: \	WF		Batch: 2430049
Allions by ETA 300:0/7030A							



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-0001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/29/2024 5:41:40AM

BH24 - 15 2'

E407173-18

		210/1/010					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Analyte	Result	Limit	Dii	ution	rrepared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2430047
Benzene	ND	0.0250		1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250		1	07/23/24	07/24/24	
Toluene	ND	0.0250		1	07/23/24	07/24/24	
o-Xylene	ND	0.0250		1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500		1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250		1	07/23/24	07/24/24	
Surrogate: Bromofluorobenzene		99.2 %	70-130		07/23/24	07/24/24	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130		07/23/24	07/24/24	
Surrogate: Toluene-d8		106 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2430047
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/23/24	07/24/24	
Surrogate: Bromofluorobenzene		99.2 %	70-130		07/23/24	07/24/24	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130		07/23/24	07/24/24	
Surrogate: Toluene-d8		106 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2430041
Diesel Range Organics (C10-C28)	ND	25.0		1	07/23/24	07/24/24	
Oil Range Organics (C28-C36)	ND	50.0		1	07/23/24	07/24/24	
Surrogate: n-Nonane		126 %	50-200		07/23/24	07/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2430049
Chloride	ND	20.0		1	07/23/24	07/24/24	



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-0001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/29/2024 5:41:40AM

BH24 - 15 4' E407173-19

		E40/1/3-19					
		Reporting					
Analyte	Result	Limit	Dilı	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2430047
Benzene	ND	0.0250		1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250		1	07/23/24	07/24/24	
Toluene	ND	0.0250		1	07/23/24	07/24/24	
o-Xylene	ND	0.0250		1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500		1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250		1	07/23/24	07/24/24	
Surrogate: Bromofluorobenzene		97.2 %	70-130		07/23/24	07/24/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		07/23/24	07/24/24	
Surrogate: Toluene-d8		106 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2430047
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/23/24	07/24/24	
Surrogate: Bromofluorobenzene		97.2 %	70-130		07/23/24	07/24/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		07/23/24	07/24/24	
Surrogate: Toluene-d8		106 %	70-130		07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2430041
Diesel Range Organics (C10-C28)	ND	25.0		1	07/23/24	07/24/24	
Oil Range Organics (C28-C36)	ND	50.0		1	07/23/24	07/24/24	
Surrogate: n-Nonane		122 %	50-200		07/23/24	07/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2430049
Chloride	109	20.0		1	07/23/24	07/24/24	



Vertex Resource Services Inc.Project Name:Jackson Unit #0033101 Boyd DriveProject Number:24015-0001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon7/29/2024 5:41:40AM

BH24 - 16 0' E407173-20

		12407173-20				
Analyte	Result	Reporting Limit	Dilut	ion Prepared	Analyzed	Notes
Allarytt	Result	Liiiit		1	Anaryzeu	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2430047
Benzene	ND	0.0250	1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/24/24	
Toluene	ND	0.0250	1	07/23/24	07/24/24	
o-Xylene	ND	0.0250	1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/24/24	
Surrogate: Bromofluorobenzene		98.5 %	70-130	07/23/24	07/24/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	07/23/24	07/24/24	
Surrogate: Toluene-d8		107 %	70-130	07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2430047
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/24/24	
Surrogate: Bromofluorobenzene		98.5 %	70-130	07/23/24	07/24/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	07/23/24	07/24/24	
Surrogate: Toluene-d8		107 %	70-130	07/23/24	07/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM		Batch: 2430041
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/24/24	
Surrogate: n-Nonane		126 %	50-200	07/23/24	07/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: WF		Batch: 2430049
Chloride	117	20.0	1	07/23/24	07/24/24	



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	24015-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	7/29/2024 5:41:40AM

BH24 - 16 2'

E4071	

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2430045
Benzene	ND	0.0250	1	07/23/24	07/23/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/23/24	
Toluene	ND	0.0250	1	07/23/24	07/23/24	
o-Xylene	ND	0.0250	1	07/23/24	07/23/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/23/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/23/24	
Surrogate: 4-Bromochlorobenzene-PID		91.3 %	70-130	07/23/24	07/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2430045
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.7 %	70-130	07/23/24	07/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2430040
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/24/24	
Surrogate: n-Nonane		81.8 %	50-200	07/23/24	07/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: JM		Batch: 2430048
	280	20.0		07/23/24	07/23/24	



Chloride

Sample Data

Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	24015-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	7/29/2024 5:41:40AM

BH24 - 16 4'

E407173-22						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: CG		Batch: 2430045
Benzene	ND	0.0250	1	07/23/24	07/23/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/23/24	
Toluene	ND	0.0250	1	07/23/24	07/23/24	
o-Xylene	ND	0.0250	1	07/23/24	07/23/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/23/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/23/24	
Surrogate: 4-Bromochlorobenzene-PID		91.7 %	70-130	07/23/24	07/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	llyst: CG		Batch: 2430045
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.7 %	70-130	07/23/24	07/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2430040
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/24/24	
Surrogate: n-Nonane		85.0 %	50-200	07/23/24	07/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	llyst: JM		Batch: 2430048

20.0

289

07/23/24

07/23/24



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	24015-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	7/29/2024 5:41:40AM

BH24 - 17 0'

E407173-23						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: CG		Batch: 2430045
Benzene	ND	0.0250	1	07/23/24	07/23/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/23/24	
Toluene	ND	0.0250	1	07/23/24	07/23/24	
o-Xylene	ND	0.0250	1	07/23/24	07/23/24	
o,m-Xylene	ND	0.0500	1	07/23/24	07/23/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/23/24	
Surrogate: 4-Bromochlorobenzene-PID		90.9 %	70-130	07/23/24	07/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	llyst: CG		Batch: 2430045
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.4 %	70-130	07/23/24	07/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2430040
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/24/24	
Surrogate: n-Nonane		77.9 %	50-200	07/23/24	07/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	llyst: JM		Batch: 2430048
Chloride	ND	20.0	1	07/23/24	07/23/24	



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	24015-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	7/29/2024 5:41:40AM

BH24 - 17 2'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	g mg/kg mg/kg Analyst: CG		lyst: CG		Batch: 2430045	
Benzene	ND	0.0250	1	07/23/24	07/23/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/23/24	
Toluene	ND	0.0250	1	07/23/24	07/23/24	
o-Xylene	ND	0.0250	1	07/23/24	07/23/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/23/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/23/24	
Surrogate: 4-Bromochlorobenzene-PID		93.2 %	70-130	07/23/24	07/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: CG		Batch: 2430045
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.2 %	70-130	07/23/24	07/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2430040
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/24/24	
Surrogate: n-Nonane		73.8 %	50-200	07/23/24	07/24/24	
	mg/kg	mg/kg	Anal	lyst: JM		Batch: 2430048
Anions by EPA 300.0/9056A	**********	88		•		



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	24015-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	7/29/2024 5:41:40AM

BH24 - 17 4'

E407	173	-25

		2.0.1.0 20				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		yst: CG	<u> </u>	Batch: 2430045
Benzene	ND	0.0250	1	07/23/24	07/23/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/23/24	
Toluene	ND	0.0250	1	07/23/24	07/23/24	
o-Xylene	ND	0.0250	1	07/23/24	07/23/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/23/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/23/24	
Surrogate: 4-Bromochlorobenzene-PID		93.1 %	70-130	07/23/24	07/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2430045
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.8 %	70-130	07/23/24	07/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: NV		Batch: 2430040
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/24/24	
Surrogate: n-Nonane		84.0 %	50-200	07/23/24	07/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2430048
Chloride	34.0	20.0	1	07/23/24	07/23/24	



QC Summary Data

Vertex Resource Services Inc.
Project Name: Jackson Unit #003
Reported:

3101 Boyd Drive Project Number: 24015-0001
Carlsbad NM, 88220 Project Manager: Chance Dixon 7/29/2024 5:41:40AM

Volatile Organic Compounds by FPA 8260B

Carlsbad NM, 88220		Project Manager	:: Cl	nance Dixon				7/2	9/2024 5:41:40AN	
	V	Volatile Organic Compounds by EPA 8260B						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 (2430047-BLK1)	Prepared: 0'						pared: 07/23/24 Analyzed: 07/23/24			
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
o-Xylene	ND	0.0250								
o,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: Bromofluorobenzene	0.480		0.500		96.0	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.5	70-130				
Surrogate: Toluene-d8	0.530		0.500		106	70-130				
LCS (2430047-BS1)							Prepared: 0	7/23/24 Anal	yzed: 07/23/24	
Benzene	2.17	0.0250	2.50		86.7	70-130				
Ethylbenzene	2.34	0.0250	2.50		93.7	70-130				
Toluene	2.33	0.0250	2.50		93.2	70-130				
o-Xylene	2.26	0.0250	2.50		90.4	70-130				
p,m-Xylene	4.57	0.0500	5.00		91.4	70-130				
Total Xylenes	6.83	0.0250	7.50		91.1	70-130				
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130				
Surrogate: Toluene-d8	0.529		0.500		106	70-130				
Matrix Spike (2430047-MS1)				Source:	E407173-	06	Prepared: 07/23/24 Analyzed: 07/23/24			
Benzene	2.16	0.0250	2.50	ND	86.5	48-131				
Ethylbenzene	2.32	0.0250	2.50	ND	92.8	45-135				
Toluene	2.29	0.0250	2.50	ND	91.5	48-130				
o-Xylene	2.22	0.0250	2.50	ND	88.9	43-135				
p,m-Xylene	4.49	0.0500	5.00	ND	89.7	43-135				
Total Xylenes	6.71	0.0250	7.50	ND	89.5	43-135				
Surrogate: Bromofluorobenzene	0.480		0.500		96.0	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130				
Surrogate: Toluene-d8	0.518		0.500		104	70-130				
Matrix Spike Dup (2430047-MSD1)				Source:	E407173-	06	Prepared: 07/23/24 Analyzed: 07/23/24			
Benzene	2.20	0.0250	2.50	ND	87.9	48-131	1.58	23		
Ethylbenzene	2.37	0.0250	2.50	ND	94.9	45-135	2.28	27		
Toluene	2.35	0.0250	2.50	ND	94.1	48-130	2.89	24		
o-Xylene	2.28	0.0250	2.50	ND	91.3	43-135	2.62	27		
p,m-Xylene	4.57	0.0500	5.00	ND	91.4	43-135	1.79	27		
Total Xylenes	6.85	0.0250	7.50	ND	91.3	43-135	2.06	27		
Surrogate: Bromofluorobenzene	0.494		0.500		98.8	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500		102	70-130				

0.500

0.525

105

70-130



Surrogate: Toluene-d8

QC Summary Data

Jackson Unit #003 Vertex Resource Services Inc. Project Name: Reported: 3101 Boyd Drive Project Number: 24015-0001 Carlsbad NM, 88220 Project Manager: Chance Dixon 7/29/2024 5:41:40AM **Volatile Organics by EPA 8021B** Analyst: CG Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2430045-BLK1) Prepared: 07/23/24 Analyzed: 07/23/24 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.14 8.00 89.2 70-130 LCS (2430045-BS1) Prepared: 07/23/24 Analyzed: 07/23/24 4.91 98.2 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.73 0.0250 5.00 94.5 70-130 4.83 0.0250 5.00 96.7 70-130 Toluene o-Xylene 4.70 0.0250 5.00 94.1 70-130 9.61 10.0 96.1 70-130 0.0500 p.m-Xvlene 95.4 14.3 15.0 70-130 Total Xylenes 0.0250 8.00 91.2 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.30 Matrix Spike (2430045-MS1) Source: E407173-23 Prepared: 07/23/24 Analyzed: 07/23/24 4.96 0.0250 5.00 ND 99.2 54-133 Benzene ND 95.5 61-133 Ethylbenzene 4.78 0.0250 5.00 Toluene 4.88 0.0250 5.00 ND 97.6 61-130 4.76 ND 95.2 63-131 5.00 0.0250 o-Xylene p,m-Xylene 9.71 0.0500 10.0 ND 97.1 63-131 14.5 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.24 8.00 Matrix Spike Dup (2430045-MSD1) Source: E407173-23 Prepared: 07/23/24 Analyzed: 07/23/24 4.62 0.0250 5.00 ND 92.4 54-133 7.09 4.45 61-133 0.0250 5.00 ND 89.0 7.06 20 Ethylbenzene Toluene 4 55 0.0250 5.00 ND 91.0 61-130 7.00 20 4.44 5.00 ND 88.8 63-131 6.86 20 o-Xylene 0.0250 9.06 10.0 ND 90.6 63-131 6.97 20

0.0500

0.0250

15.0

8.00

ND

90.0

90.7

63-131

70-130

6.94

20

13.5

7.25



p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Vertex Resource Services Inc.Project Name:Jackson Unit #003Reported:3101 Boyd DriveProject Number:24015-0001Carlsbad NM, 88220Project Manager:Chance Dixon7/29/20245:41:40AM

Carlsbad NM, 88220		Project Manage	r: Ch	nance Dixon				7/2	9/2024 5:41:40AN
	Nor	halogenated	Organics	by EPA 80	15D - G	RO		Analyst: CG	
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2430045-BLK1)							Prepared: 0	7/23/24 Anal	yzed: 07/23/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			
LCS (2430045-BS2)							Prepared: 0	7/23/24 Anal	yzed: 07/23/24
Gasoline Range Organics (C6-C10)	46.3	20.0	50.0		92.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.79		8.00		97.3	70-130			
Matrix Spike (2430045-MS2)				Source:	E407173-	23	Prepared: 0	7/23/24 Anal	yzed: 07/23/24
Gasoline Range Organics (C6-C10)	43.6	20.0	50.0	ND	87.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.80		8.00		97.5	70-130			
Matrix Spike Dup (2430045-MSD2)				Source:	E407173-	23	Prepared: 0	7/23/24 Anal	yzed: 07/23/24
Gasoline Range Organics (C6-C10)	44.3	20.0	50.0	ND	88.7	70-130	1.71	20	

8.00

7.83

97.9

70-130



 ${\it Surrogate: Bromofluor obenzene}$

QC Summary Data

Vertex Resource Services Inc.Project Name:Jackson Unit #003Reported:3101 Boyd DriveProject Number:24015-0001Carlsbad NM, 88220Project Manager:Chance Dixon7/29/20245:41:40AM

Carlsbad NM, 88220		Project Manage	r: Ch	ance Dixon				7/2	9/2024 5:41:40AM	
	Nor	halogenated	Organics l	by EPA 80	15D - G	RO			Analyst: IY	
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Result Rec		RPD %	RPD Limit %	Notes	
Blank (2430047-BLK1)							Prepared: 0	7/23/24 Anal	yzed: 07/23/24	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: Bromofluorobenzene	0.480		0.500		96.0	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.5	70-130				
Surrogate: Toluene-d8	0.530		0.500		106	70-130				
LCS (2430047-BS2)							Prepared: 0	7/23/24 Anal	yzed: 07/23/24	
Gasoline Range Organics (C6-C10)	52.6	20.0	50.0		105	70-130				
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.8	70-130				
Surrogate: Toluene-d8	0.536		0.500		107	70-130				
Matrix Spike (2430047-MS2)				Source:	E407173-	06	Prepared: 0	7/23/24 Anal	yzed: 07/23/24	
Gasoline Range Organics (C6-C10)	54.6	20.0	50.0	ND	109	70-130				

Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			
Matrix Spike Dup (2430047-MSD2)				Source:	E407173-0	06	Prepared: 07	//23/24 Analyzed	d: 07/23/24
Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130	0.876	20	
Surrogate: Bromofluorobenzene	0.500		0.500		99.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130			
Surrogate: Toluene-d8	0.536		0.500		107	70-130			

0.500

0.496

70-130

99.2

Vertex Resource Services Inc.Project Name:Jackson Unit #003Reported:3101 Boyd DriveProject Number:24015-0001Carlsbad NM, 88220Project Manager:Chance Dixon7/29/20245:41:40AM

Carisbad NM, 88220		Project Manage	r: Cn	ance Dixon					//29/2024 5:41:40A1
	Nonha	logenated Or	ganics by	EPA 8015I	D - 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 (2430040-BLK1)							Prepared: 0	7/23/24 Ai	nalyzed: 07/23/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	41.7		50.0		83.3	50-200			
LCS (2430040-BS1)							Prepared: 0	7/23/24 A	nalyzed: 07/23/24
Diesel Range Organics (C10-C28)	210	25.0	250		83.9	38-132			
urrogate: n-Nonane	45.0		50.0		90.0	50-200			
Matrix Spike (2430040-MS1)				Source:	E407170-0	04	Prepared: 0	7/23/24 A	nalyzed: 07/23/24
Diesel Range Organics (C10-C28)	219	25.0	250	ND	87.7	38-132			
urrogate: n-Nonane	44.5		50.0		89.0	50-200			
Matrix Spike Dup (2430040-MSD1)				Source:	E407170-0	04	Prepared: 0	7/23/24 A	nalyzed: 07/23/24
Diesel Range Organics (C10-C28)	215	25.0	250	ND	85.9	38-132	2.08	20	
'urrogate: n-Nonane	44.5		50.0		89.0	50-200			



Vertex Resource Services Inc.Project Name:Jackson Unit #003Reported:3101 Boyd DriveProject Number:24015-0001Carlsbad NM, 88220Project Manager:Chance Dixon7/29/20245:41:40AM

Carlsbad NM, 88220		Project Manage	r: Ch	ance Dixon				7//.	29/2024 5:41:40A
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2430041-BLK1)							Prepared: 0	7/23/24 Ana	lyzed: 07/23/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	58.4		50.0		117	50-200			
LCS (2430041-BS1)							Prepared: 0	7/23/24 Ana	lyzed: 07/23/24
Diesel Range Organics (C10-C28)	226	25.0	250		90.4	38-132			
Surrogate: n-Nonane	59.1		50.0		118	50-200			
Matrix Spike (2430041-MS1)				Source:	E407173-	08	Prepared: 0	7/23/24 Ana	lyzed: 07/23/24
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	59.0		50.0		118	50-200			
Matrix Spike Dup (2430041-MSD1)				Source:	E407173-	08	Prepared: 0	7/23/24 Ana	lyzed: 07/23/24
Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	38-132	8.25	20	
Surrogate: n-Nonane	61.3		50.0		123	50-200			



Vertex Resource Services Inc. 3101 Boyd Drive	Project Name: Project Number:	Jackson Unit #003 24015-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	7/29/2024 5:41:40AM

Carlsbad NM, 88220		Project Manager	r: Cl	nance Dixon				7	/29/2024 5:41:40AM
		Anions	by EPA 3	00.0/9056 <i>A</i>	1				Analyst: JM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	N.
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2430048-BLK1)							Prepared: 0	7/23/24 An	alyzed: 07/23/24
Chloride	ND	20.0							
LCS (2430048-BS1)							Prepared: 0	7/23/24 An	alyzed: 07/23/24
Chloride	248	20.0	250		99.4	90-110			
Matrix Spike (2430048-MS1)				Source:	E407170-	04	Prepared: 0	7/23/24 An	alyzed: 07/23/24
Chloride	309	20.0	250	53.3	102	80-120			
Matrix Spike Dup (2430048-MSD1)				Source:	E407170-	04	Prepared: 0	7/23/24 An	alyzed: 07/23/24
Chloride	310	20.0	250	53.3	103	80-120	0.280	20	

Vertex Resource Services Inc. 3101 Boyd Drive		Project Name: Project Number:		ackson Unit #0 4015-0001	003				Reported:
Carlsbad NM, 88220		Project Manager		Chance Dixon					7/29/2024 5:41:40AM
		Anions	by EPA	300.0/9056	A				Analyst: WF
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2430049-BLK1)							Prepared: 0	7/23/24 A	Analyzed: 07/23/24
Chloride	ND	20.0							
LCS (2430049-BS1)							Prepared: 0	7/23/24	Analyzed: 07/23/24
Chloride	248	20.0	250		99.4	90-110			
Matrix Spike (2430049-MS1)				Source:	E407173-	02	Prepared: 0	7/23/24	Analyzed: 07/23/24
Chloride	269	20.0	250	ND	108	80-120			
Matrix Spike Dup (2430049-MSD1)				Source:	E407173-	02	Prepared: 0	7/23/24	Analyzed: 07/23/24
Chloride	273	20.0	250	ND	109	80-120	1.30	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 Unit #0033101 Boyd DriveProject Number:24015-0001Reported:Carlsbad NM, 88220Project Manager:Chance Dixon07/29/24 05:41

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.



Page of _

	Clie	Client Information Invoice Information La					ab Us	Use Only TAT State							•							
Client:	Vertexli	bill dire	ed Tap R	ock)		ompany: Tap Rock ((Bill Ro	nsey Lab	WO	#			Num			1D	2D	3D	Std	NM	CO UT	ТХ
Project N	lame: Jac Manager: C	hone	10.4	00_3		ddress: ity, State, Zip:		<u> </u>	{0}	17:	<u> </u>	24	015	_000	21_	12 m 2	574 T A.N.	00.0	\square		en a Service	l distribution
Address:		Droid	et#: 7	4E-033/		none:						Ana	alvsis	and	Met	hod	er - Jan	11. 40%	.(7.3	EF	A Progra	
City, Stat		10			<u>En</u>	nail:				Π		T								SDWA	CWA	RCRA
Phone:	- 21	\			0.01	Sica to laid	totak	uck														
Email: (Dixon (a) Wartes	CRESU	CC-COM		Wiscenaneous: Bit for sey										Compliand	e Y	or N				
			A SAME OF STREET	Sam	ple Informati		The state of the s	100	\ \rac{8}{2}	P 48	3021	92	300.0	Ž.	ХТ-:	tetals				PWSID#		
Time Sampled	Date Sampled	Matrix	No. of Containers		pre mornati	Sample ID	Field	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals					Remarks	
9:45	7/19/24	Soil		BHZ	4-09	0-		1	\vee	\vee	V		V									
9:50				BHZ	4-09	2-		a														
9:55				BH	24-09	4-		3														
10:00				BHO	24-10	0′		4					Ш									
10:05				BH	24-10	2'		5														
10:10				BH	24-11	0 /		6														
10:15				BH	24-11	2-		7														
10:20				BH	24-11	4'		8														
1025				BHZ	24-12	0′		9														
10:30		V		BHE	24-12	2		10		1												
Addition	al Instructio	ns:	•																			
I, (field sam Sampled by	111	e validity and	authenticity	of this sampl	e. I am aware tha	t tampering with or intentionally misla	beling the san	ple location	, date (or time	of col	ection	is con	sidered	l fraud	and m	ay be	ground	ds for le	egal action.		
Relinquish	ed by: (Signatur	e) /		21/24	Time	Received by: (Signature)	Date	2224	Time Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6C on subsequent days.													
	nd by (Signatur		Date 7-	22-24	Time (JD	Received by: (Signature)	7.22.24 Time Lab Use Only Received on ice: \(\overline{\mathcal{D}} \) N						12									
Relinquish	ed by: (Signatur	e)	Date 7 -	12.W	1345	Received by: (Signature)	Date 7-	<u> </u>	Time	830	3			T1			2.5 2.5	T2			Т3	
Relinquish	ed by: (Signatur	e)	Date	· ·	Time	Received by: (Signature)	Date		Time					AVG	Tem	p°C		{				
	riv. S - Soil, Sd - S							ainer Typ					astic,	ag - a	ambe	r glas	s, v -					
Note: Sam	mples 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 in the client expense.																					

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.

e client expense. The report for the analysis of the above samples is

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Project Ir	nformatio	n			Chain of Custod	1										Page	_ of <u>5</u>
Client:	Vertex	- (A) 11	direc	LTOPORK) BILLY	0		7	Lab l	Jse O	nly				TA	\T	EPA P	rogram
Project:	Manager:	Change	10. 7. F	Attention: Top Reck (Andrews: City, State, Zip	sill Romsy)	Lab Wo	0#	2		Num	ber oool	1D	2D	3D	Standard	CWA	SDWA
Address:	nunu _h er.	A	Scolt	City, State, Zip		L 00	7.7.			2.7-2.134,517	nd Meth	od					RCRA
City, Stat Phone:	e, Zip			Phone: Email:		RO by										State	
Email: Report d		n(a) ves	tex Re	Sure Don Direct bill to Tap ATT N: Bill Per	Reek	TPH GRO/DRO/ORO by	8021	8260	5010	300.0		ΣZ	X		NM/ CO		TX
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GR	8015 BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		верос	верос			Remarks	
10:35	7/19/24	Soil	1.	BH24- 13 0'	11	V	V			V							
10:40	1			BH24-13 2'	12												
10:45				BH24-13 4	13												
11:00				BH24-14 0°	14												
11:05				BH24-14 2-	15												
11:15				BH24-144	16												
11:20				BH24-1501	17							(
11:25				BH24-15 2-	18												
11:30				BH24-15 4	ાવ												
11:35	V	V	V	BH24-160-	20	1	1										
Addition	al Instruct	tions:			1					4							

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an ave temp above 0 but less than 6°C on subsequent days. date or time of collection is considered fraud and may be grounds for legal action. Relinguished by: (Signature Date Lab Use Only Time 1030 (9)/ N Received on ice: Received by: (Signature) Reling shed by: (Signature) Received by: (Signature) AVG Temp °C 4 0930 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 30 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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Chain	of	Custo	dy

Page	3	of	<u> </u>

Client Information	Invoice Information			Lab Use Only TAT State							te						
Client: Vertex (Direct bill to lap Ruck)	Company: TarRock (Bill Romsky		Lab W	'O#			Job N	lumi	ber		1D	2D	3D St	<u>.</u> d/		CO U	T TX
Project Name: Jackson Unit #003	Address:		Lab W E 식 の	<u> 77</u>	173	<i>?</i>	240	15-	- 000	51			ĺ	Z .			
Project Manager: Chance Dixon	City, State, Zip:	l		14									Partie (1)			- 14 - 15 <u>- 1</u>	
Address: Assect #: 2450336	Phone:		_				Anal	ysis	and	Meti	hod			4		PA Prog	
City, State, Zip:	Email:	0 6		-				ĺ					L	<u> </u> -	SDWA	CWA	RCRA
Phone: Email: CDixord Vertex Resource Com	Miscellaneous: Direct bill 196	Puk		.											ompliar	ice I Y	or N
Email: CDIXXIVY VISTER RESUME COM	ATTN: Bill Romsey	144		ğ	8015			ا ،			<u></u>			<u> </u>	WSID #		101 11
Sample Info	rmation			DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	290	Chloride 300.0	BGDOC - NM	٠. ج	RCRA 8 Metals			Ė	*****		
Time No of		ង La	<u></u>	ĕ	ğ	<u> </u>	<u>۾</u>	ig Bi	၂ ႘ ၂	Ö	8 4					Remari	ks
Sampled Date Sampled Matrix Containers	Sample ID	Ha La	ber	8	8	8	VOC by 8260	울/	<u> </u>	TCEQ 1005 - TX	RCR						
11:40 7-19-24 Sil 1 BH24-16	, 2-	۵۱		\mathcal{I}	$\sqrt{ \cdot }$			\checkmark									
11:45 BH24-1		22	λ	\prod													
2:00 BH24	170-	23	3	П		П											
D:05 BH24-		2	1	П				\prod									
12:10 V V BH24-1		25	<i>y</i>	\prod		1		W									
				T											-		
		·															
	-			1												-	
Additional Instructions:	L.		I														
I, (field sampler), attest to the validity and authenticity of this sample. I am aw Sampled by:	vare that tampering with or intentionally mislabeling the s	sample loca	ation, da	ite or 1	time o	f colle	ction i	s cons	sidered	l fraud	and m	nay be	grounds fe	or leg	al action.		
Relinquished by: (Signature) Relinquished by: (Signature) Date Time Time Time	Received by: (Signature) Purchaste Gonzales	ate	Tir	me //	30			¥		-	_					d on ice the o	
Relinquished by: (Signature) Date Time	Received by: (Signature) Dat	<u>7-22:</u>		me	v U				enpeou	uont da	<u>.</u>				Only		
1 1 sld 24 1 l led	D A.M.	7.22			<u>13</u>	٥		Received on ice: Ø/ N									
Relinquished by Signature galesk Date Time	Received by: (Signature)		Tir	me					<u>T1</u>	- 10 A			<u>T2</u>			<u>T3</u>	
Relinfuished by: (Signature) Date Time 7-21-14 730 Sample Matrif (S-Soil StShirdse A-Agueous Q-Other	Received by: (Signature)	7/23/	24 3	me ∂0	83	2			AVG	Tem	ıp°C	4					
Sample manife o don, ou sond, of stade, it induced to conc.	-	ontainer						istic,	ag - a	ambe	r glas	SS, V -	VOAT ,	qΙ		6.1	
Note: Samples are discarded 14 days after results are reported unless applicable only to those samples received by the laboratory with this (sed o	r at th	ne clie	nt exp	oense.	. The r	eport	r the	anaiysis	of the abo	ve samples is



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generaliset the analysis of the above samples is

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Printed: 7/23/2024 3:02:32PM

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:	07/23/24 0	8:30	V	Work Order ID:	E407173
Phone:	(575) 748-0176	Date Logged In:	07/22/24 1	7:07	I	Logged In By:	Noe Soto
Email:	cdixon@vertex.ca	Due Date:	07/29/24 1	7:00 (4 day TAT)			
Chain of	Custody (COC)						
1. Does th	e sample ID match the COC?		Yes				
2. Does th	e number of samples per sampling site location mat	tch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: Co	<u>ourrier</u>		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.		Yes			Comments	s/Resolution
Sample T	urn Around Time (TAT)			Γ			
	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>cooler</u>						
7. Was a s	ample cooler received?		Yes				
8. If yes, v	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 the	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
Sample C	•		_				
	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				
	on-VOC samples collected in the correct containers'	9	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab		ners conceteu:	103				
	field sample labels filled out with the minimum info	rmation:					
	ample ID?	mation.	Yes				
	ate/Time Collected?		Yes	L			
	ollectors name?		Yes				
Sample P	<u>reservation</u>						
21. Does t	the COC or field labels indicate the samples were pr	reserved?	No				
22. Are sa	imple(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	netals?	No				
Multipha	se Sample Matrix						
	the sample have more than one phase, i.e., multipha	se?	No				
	does the COC specify which phase(s) is to be analy		NA				
		,					
	act Laboratory	0	NI.				
	imples required to get sent to a subcontract laborato	-	No NA	01 4 11	314		
29. was a	subcontract laboratory specified by the client and it	i so who?	INA	Subcontract Lab:	NA		
Client In	<u>struction</u>						

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





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Practical Solutions for a Better Tomorrow

Analytical Report

Vertex Resource Services Inc.

Project Name: Jackson Unit #003

Work Order: E408081

Job Number: 24015-0001

Received: 8/9/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/12/24

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: 8/12/24

Chance Dixon 3101 Boyd Drive Carlsbad, NM 88220

Project Name: Jackson Unit #003

Workorder: E408081

Date Received: 8/9/2024 6:30:00AM

Chance Dixon,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/9/2024 6:30:00AM, under the Project Name: Jackson Unit #003.

The analytical test results summarized in this report with the Project Name: Jackson Unit #003 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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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

_				
ſ	Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	Reported:
l	3101 Boyd Drive	Project Number:	24015-0001	Reported:
l	Carlsbad NM, 88220	Project Manager:	Chance Dixon	08/12/24 14:23

Client Sample ID	Lab Sample ID Matrix	Sampled R	Received	Container
BH24-09 7'	E408081-01A Soil	08/07/24	08/09/24	Glass Jar, 2 oz.



Sample Data

Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	24015-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	8/12/2024 2:23:14PM

BH24-09 7' E408081-01

		E408081-01				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2432116
Benzene	ND	0.0250	1	08/09/24	08/09/24	
Ethylbenzene	1.17	0.0250	1	08/09/24	08/09/24	
Coluene	1.37	0.0250	1	08/09/24	08/09/24	
-Xylene	1.46	0.0250	1	08/09/24	08/09/24	
,m-Xylene	12.4	0.0500	1	08/09/24	08/09/24	
Total Xylenes	13.9	0.0250	1	08/09/24	08/09/24	
urrogate: 4-Bromochlorobenzene-PID		115 %	70-130	08/09/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2432116
Gasoline Range Organics (C6-C10)	434	20.0	1	08/09/24	08/09/24	
urrogate: 1-Chloro-4-fluorobenzene-FID		119 %	70-130	08/09/24	08/09/24	
Onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2432114
iesel Range Organics (C10-C28)	1220	25.0	1	08/09/24	08/09/24	
Dil Range Organics (C28-C36)	71.8	50.0	1	08/09/24	08/09/24	
urrogate: n-Nonane		126 %	50-200	08/09/24	08/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2432125
Chloride	29.3	20.0	1	08/09/24	08/09/24	



Jackson Unit #003 Vertex Resource Services Inc. Project Name: Reported: 24015-0001 3101 Boyd Drive Project Number:

3101 Boyd Drive Carlsbad NM, 88220		Project Number: Project Manager:		1015-0001 nance Dixon				8/1	2/2024 2:23:14PM
		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 (2432116-BLK1)							Prepared: 0	8/09/24 Anal	yzed: 08/09/24
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	7.21		8.00		90.1	70-130			
LCS (2432116-BS1)							Prepared: 0	8/09/24 Anal	yzed: 08/09/24
Benzene	5.34	0.0250	5.00		107	70-130			
Ethylbenzene	5.11	0.0250	5.00		102	70-130			
Toluene	5.34	0.0250	5.00		107	70-130			
o-Xylene	5.22	0.0250	5.00		104	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.7	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.31		8.00		91.4	70-130			
Matrix Spike (2432116-MS1)				Source: 1	E408081-	01	Prepared: 0	8/09/24 Anal	yzed: 08/09/24
Benzene	4.82	0.0250	5.00	ND	96.4	54-133			
Ethylbenzene	5.94	0.0250	5.00	1.17	95.3	61-133			
Toluene	5.95	0.0250	5.00	1.37	91.7	61-130			
o-Xylene	7.04	0.0250	5.00	1.46	112	63-131			
p,m-Xylene	18.9	0.0500	10.0	12.4	64.3	63-131			
Total Xylenes	25.9	0.0250	15.0	13.9	80.1	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.91		8.00		111	70-130			
Matrix Spike Dup (2432116-MSD1)				Source: 1	E408081-	01	Prepared: 0	8/09/24 Anal	yzed: 08/09/24
Benzene	4.96	0.0250	5.00	ND	99.2	54-133	2.89	20	
Ethylbenzene	6.08	0.0250	5.00	1.17	98.1	61-133	2.35	20	
Toluene	6.09	0.0250	5.00	1.37	94.4	61-130	2.25	20	
o-Xylene	7.17	0.0250	5.00	1.46	114	63-131	1.81	20	
p,m-Xylene	19.2	0.0500	10.0	12.4	67.3	63-131	1.59	20	
Total Xylenes	26.3	0.0250	15.0	13.9	83.0	63-131	1.65	20	

8.00

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70-130

Surrogate: 4-Bromochlorobenzene-PID

Vertex Resource Services Inc.Project Name:Jackson Unit #003Reported:3101 Boyd DriveProject Number:24015-0001Carlsbad NM, 88220Project Manager:Chance Dixon8/12/20242:23:14PM

		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 (2432116-BLK1) Gasoline Range Organics (C6-C10)	ND	20.0					Prepared: 0	8/09/24 Anal	yzed: 08/09/24

Surrogate: 1-Chloro-4-fluorobenzene-FID	8.35		8.00	104	70-130
LCS (2432116-BS2)					Prepared: 08/09/24 Analyzed: 08/09/24
Gasoline Range Organics (C6-C10)	47.7	20.0	50.0	95.4	70-130
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.59		8.00	107	70-130

Matrix Spike (2432116-MS2)	Source:	E408081-	01	Prepared: 08/09/24 Analyzed: 08/09/24			
Gasoline Range Organics (C6-C10)	356	20.0	50.0	434	NR	70-130	M4
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.46		8.00		118	70-130	

Matrix Spike Dup (2432116-MSD2)			Source:	Source: E408081-01			Prepared: 08/09/24 Analyzed: 08/09/24		
Gasoline Range Organics (C6-C10)	398	20.0	50.0	434	NR	70-130	11.1	20	M4
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.51		8.00		119	70-130			

Vertex Resource Services Inc.Project Name:Jackson Unit #003Reported:3101 Boyd DriveProject Number:24015-0001Carlsbad NM, 88220Project Manager:Chance Dixon8/12/20242:23:14PM

Carlsbad NM, 88220		Project Manage	r: Ch	ance Dixon				8.	/12/2024 2:23:14PN
	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 (2432114-BLK1)							Prepared: 0	8/09/24 Ana	alyzed: 08/09/24
Diesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	53.4		50.0		107	50-200			
LCS (2432114-BS1)							Prepared: 0	8/09/24 Ana	alyzed: 08/09/24
Diesel Range Organics (C10-C28)	248	25.0	250		99.2	38-132			
urrogate: n-Nonane	53.5		50.0		107	50-200			
Matrix Spike (2432114-MS1)				Source:	E408086-	07	Prepared: 0	8/09/24 Ana	alyzed: 08/09/24
Diesel Range Organics (C10-C28)	242	25.0	250	ND	97.0	38-132			
urrogate: n-Nonane	54.3		50.0		109	50-200			
Matrix Spike Dup (2432114-MSD1)				Source:	E408086-	07	Prepared: 0	8/09/24 Ana	alyzed: 08/09/24
Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	38-132	5.16	20	
urrogate: n-Nonane	53.3		50.0		107	50-200			



Vertex Resource Services Inc.		Project Name:		ackson Unit #0	03				Reported:
3101 Boyd Drive Carlsbad NM, 88220		Project Number: Project Manager:		4015-0001 Chance Dixon					8/12/2024 2:23:14PM
		Anions	by EPA	300.0/9056 <i>A</i>	1				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 (2432125-BLK1)							Prepared: 0	8/09/24	Analyzed: 08/09/24
Chloride	ND	20.0							
LCS (2432125-BS1)							Prepared: 0	8/09/24	Analyzed: 08/09/24
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2432125-MS1)				Source:	E408081-	01	Prepared: 0	8/09/24	Analyzed: 08/09/24
Chloride	285	20.0	250	29.3	102	80-120			
Matrix Spike Dup (2432125-MSD1)				Source:	E408081-	01	Prepared: 0	8/09/24	Analyzed: 08/09/24
Chloride	285	20.0	250	29.3	102	80-120	0.0657	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

Γ	Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
l	3101 Boyd Drive	Project Number:	24015-0001	Reported:
l	Carlsbad NM, 88220	Project Manager:	Chance Dixon	08/12/24 14:23

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.



Released to Imaging: 8/12/2025 11:44:26 AM

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e client expense. The report for the analysis of the above samples is

envirotech

23

Printed: 8/9/2024 8:07:42AM

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:	08/09/24 (06:30		Work Order ID:	E408081
Phone:	(575) 748-0176	Date Logged In:	08/09/24 (06:35		Logged In By:	Noe Soto
Email:	cdixon@vertex.ca	Due Date:		17:00 (0 day TAT)		88	
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 mat	ch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	_			
5. Were al	Il samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in					Comment	s/Resolution
C1- T	i.e, 15 minute hold time, are not included in this disucssic	on.		ı		Comment	STATES OF THE STATE OF THE STAT
	Urn Around Time (TAT) COC indicate standard TAT, or Expedited TAT?		Yes				
	•		168				
Sample C	ample cooler received?		Yes				
	was cooler received in good condition?						
•	-		Yes				
	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling		Yes				
13. If no v	risible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
Sample C	<u>Container</u>						
14. Are ac	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 no	on-VOC samples collected in the correct containers?	,	Yes				
19. Is the a	appropriate volume/weight or number of sample contain	ers collected?	Yes				
Field Lab	<u>oel</u>						
20. Were	field sample labels filled out with the minimum info	rmation:					
	ample ID?		Yes				
	ate/Time Collected?		Yes	•			
	ollectors name?		Yes				
	' <u>reservation</u> the COC or field labels indicate the samples were pr	eserved?	No				
	ample(s) correctly preserved?	escived:	NA				
	filteration required and/or requested for dissolved m	etals?	No				
	•		110				
	se Sample Matrix the sample have more than one phase, i.e., multiphase	202	NI.				
	does the COC specify which phase(s) is to be analy		No				
		zeu?	NA				
	act Laboratory						
	amples required to get sent to a subcontract laborator	•	No				
29. Was a	subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab	: NA		
Client In	struction						

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 Unit #003

Work Order: E408143

Job Number: 24015-0001

Received: 8/16/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/19/24

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: 8/19/24

Chance Dixon 3101 Boyd Drive Carlsbad, NM 88220

Project Name: Jackson Unit #003

Workorder: E408143

Date Received: 8/16/2024 8:00:56AM

Chance Dixon,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/16/2024 8:00:56AM, under the Project Name: Jackson Unit #003.

The analytical test results summarized in this report with the Project Name: Jackson Unit #003 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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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

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ſ	Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	Reported:
١	3101 Boyd Drive	Project Number:	24015-0001	Keporteu:
l	Carlsbad NM, 88220	Project Manager:	Chance Dixon	08/19/24 15:07

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
BH24-09 8.0'	E408143-01A Soil	08/15/24	08/16/24	Glass Jar, 4 oz.



Sample Data

Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	24015-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	8/19/2024 3:07:16PM

BH24-09 8.0' E408143-01

	E400143-01				
Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2433113
ND	0.0250	1	08/16/24	08/16/24	
0.654	0.0250	1	08/16/24	08/16/24	
0.488	0.0250	1	08/16/24	08/16/24	
1.09	0.0250	1	08/16/24	08/16/24	
4.64	0.0500	1	08/16/24	08/16/24	
5.73	0.0250	1	08/16/24	08/16/24	
	90.8 %	70-130	08/16/24	08/16/24	
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2433113
216	20.0	1	08/16/24	08/16/24	
	161 %	70-130	08/16/24	08/16/24	S3
mg/kg	mg/kg	Ana	lyst: NV		Batch: 2433105
730	25.0	1	08/15/24	08/16/24	
58.2	50.0	1	08/15/24	08/16/24	
	111 %	50-200	08/15/24	08/16/24	
mg/kg	mg/kg	Ana	lyst: DT		Batch: 2433112
55.2	20.0	1	08/16/24	08/16/24	
	mg/kg ND 0.654 0.488 1.09 4.64 5.73 mg/kg 216 mg/kg 730 58.2	Result Reporting Limit mg/kg mg/kg ND 0.0250 0.654 0.0250 0.488 0.0250 1.09 0.0250 4.64 0.0500 5.73 0.0250 90.8 % mg/kg mg/kg mg/kg 216 20.0 161 % mg/kg 730 25.0 58.2 50.0 111 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Ana ND 0.0250 1 0.654 0.0250 1 0.488 0.0250 1 1.09 0.0250 1 4.64 0.0500 1 5.73 0.0250 1 90.8 % 70-130 mg/kg mg/kg Ana 216 20.0 1 161 % 70-130 mg/kg mg/kg mg/kg Ana 730 25.0 1 58.2 50.0 1 111 % 50-200 mg/kg Mg/kg Ana	Reporting Result Limit Dilution Prepared mg/kg Analyst: IY ND 0.0250 1 08/16/24 0.654 0.0250 1 08/16/24 0.488 0.0250 1 08/16/24 1.09 0.0250 1 08/16/24 4.64 0.0500 1 08/16/24 5.73 0.0250 1 08/16/24 mg/kg mg/kg Analyst: IY 216 20.0 1 08/16/24 mg/kg mg/kg Analyst: NV 730 25.0 1 08/15/24 58.2 50.0 1 08/15/24 mg/kg mg/kg Analyst: DT	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 08/16/24 08/16/24 0.654 0.0250 1 08/16/24 08/16/24 0.488 0.0250 1 08/16/24 08/16/24 1.09 0.0250 1 08/16/24 08/16/24 4.64 0.0500 1 08/16/24 08/16/24 5.73 0.0250 1 08/16/24 08/16/24 90.8 % 70-130 08/16/24 08/16/24 mg/kg mg/kg Analyst: IY 216 20.0 1 08/16/24 08/16/24 mg/kg mg/kg Analyst: NV 730 25.0 1 08/15/24 08/16/24 58.2 50.0 1 08/15/24 08/16/24 mg/kg mg/kg Analyst: DT 08/16/24

		•	
Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	Reported:
3101 Boyd Drive	Project Number:	24015-0001	
Carlsbad NM, 88220	Project Manager:	Chance Dixon	8/19/2024 3:07:16PM
	Volatile Orga	nics by EPA 8021B	Analyst: IY

Carlsbad NM, 88220		Project Manager		hance Dixon				8	/19/2024 3:07:16PM
		Volatile (Organics l	by 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 (2433113-BLK1)							Prepared: 08	8/16/24 Ana	alyzed: 08/16/24
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	7.16		8.00		89.4	70-130			
LCS (2433113-BS1)							Prepared: 08	8/16/24 Ana	alyzed: 08/16/24
Benzene	5.28	0.0250	5.00		106	70-130			
Ethylbenzene	5.10	0.0250	5.00		102	70-130			
Toluene	5.20	0.0250	5.00		104	70-130			
o-Xylene	5.07	0.0250	5.00		101	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.15		8.00		89.4	70-130			
Matrix Spike (2433113-MS1)				Source:	E408144-0	07	Prepared: 08	8/16/24 Ana	alyzed: 08/16/24
Benzene	5.10	0.0250	5.00	ND	102	54-133			
Ethylbenzene	4.91	0.0250	5.00	ND	98.2	61-133			
Toluene	5.01	0.0250	5.00	ND	100	61-130			
o-Xylene	4.89	0.0250	5.00	ND	97.8	63-131			
p,m-Xylene	9.98	0.0500	10.0	ND	99.8	63-131			
Total Xylenes	14.9	0.0250	15.0	ND	99.1	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.20		8.00		90.1	70-130			
Matrix Spike Dup (2433113-MSD1)				Source:	E408144-0	07	Prepared: 08	8/16/24 Ana	alyzed: 08/16/24
Benzene	5.14	0.0250	5.00	ND	103	54-133	0.925	20	
Ethylbenzene	4.95	0.0250	5.00	ND	99.1	61-133	0.862	20	
Toluene	5.06	0.0250	5.00	ND	101	61-130	0.839	20	
o-Xylene	4.92	0.0250	5.00	ND	98.5	63-131	0.703	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	0.775	20	
Total Xylenes	15.0	0.0250	15.0	ND	99.9	63-131	0.752	20	
Surrogate: 4-Bromochlorobenzene-PID	7.14		8.00		89.2	70-130			



Surrogate: 1-Chloro-4-fluorobenzene-FID

7.66

QC Summary Data

Vertex Resource Services Inc.Project Name:Jackson Unit #003Reported:3101 Boyd DriveProject Number:24015-0001Carlsbad NM, 88220Project Manager:Chance Dixon8/19/20243:07:16PM

Carlsbad NM, 88220		Project Manage	r: Ch	nance Dixon				8/1	9/2024 3:07:16PM
	Nor	nhalogenated	Organics l	by EPA 80	15D - G	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 (2433113-BLK1)							Prepared: 0	8/16/24 Anal	yzed: 08/16/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.3	70-130			
LCS (2433113-BS2)							Prepared: 0	8/16/24 Anal	yzed: 08/16/24
Gasoline Range Organics (C6-C10)	46.3	20.0	50.0		92.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			
Matrix Spike (2433113-MS2)				Source:	E408144-	07	Prepared: 0	8/16/24 Anal	yzed: 08/16/24
Gasoline Range Organics (C6-C10)	45.5	20.0	50.0	ND	91.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.63		8.00		95.3	70-130			
Matrix Spike Dup (2433113-MSD2)				Source:	E408144-	07	Prepared: 0	8/16/24 Anal	yzed: 08/16/24
Gasoline Range Organics (C6-C10)	45.6	20.0	50.0	ND	91.1	70-130	0.166	20	

95.7

70-130

Vertex Resource Services Inc.Project Name:Jackson Unit #003Reported:3101 Boyd DriveProject Number:24015-0001Carlsbad NM, 88220Project Manager:Chance Dixon8/19/20243:07:16PM

Carlsbad NM, 88220		Project Manage	r: Ch	nance Dixon				8/	19/2024 3:07:16PN
	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 (2433105-BLK1)							Prepared: 0	8/15/24 Ana	lyzed: 08/16/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.0		50.0		114	50-200			
LCS (2433105-BS1)							Prepared: 0	8/15/24 Ana	lyzed: 08/16/24
Diesel Range Organics (C10-C28)	237	25.0	250		94.6	38-132			
Surrogate: n-Nonane	56.5		50.0		113	50-200			
Matrix Spike (2433105-MS1)				Source:	E408144-	06	Prepared: 0	8/15/24 Ana	lyzed: 08/16/24
Diesel Range Organics (C10-C28)	225	25.0	250	ND	90.1	38-132			
Surrogate: n-Nonane	48.1		50.0		96.2	50-200			
Matrix Spike Dup (2433105-MSD1)				Source:	E408144-	06	Prepared: 0	8/15/24 Ana	lyzed: 08/16/24
Diesel Range Organics (C10-C28)	250	25.0	250	ND	100	38-132	10.4	20	
Surrogate: n-Nonane	60.7		50.0		121	50-200			



Vertex Resource Services Inc. 3101 Boyd Drive	Project Name: Project Number:		ackson Unit #0 4015-0001				Reported:		
Carlsbad NM, 88220	Project Manager: Chance Dixon						8/19/2024 3:07:16PM		
		Anions	by EPA	300.0/9056 <i>A</i>	\				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 (2433112-BLK1)							Prepared: 0	8/16/24 A	nalyzed: 08/16/24
Chloride	ND	20.0							
LCS (2433112-BS1)							Prepared: 0	8/16/24 A	nalyzed: 08/16/24
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2433112-MS1)				Source:	E408143-	01	Prepared: 0	8/16/24 A	nalyzed: 08/16/24
Chloride	311	20.0	250	55.2	102	80-120			
Matrix Spike Dup (2433112-MSD1)				Source:	E408143-	01	Prepared: 0	8/16/24 A	nalyzed: 08/16/24
Chloride	317	20.0	250	55.2	105	80-120	1.94	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 Unit #003	
-	3101 Boyd Drive	Project Number:	24015-0001	Reported:
	Carlsbad NM, 88220	Project Manager:	Chance Dixon	08/19/24 15:07

S3 Surrogate spike recovery was outside acceptance limits. 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

1 -5
· or

Client Information Client: Varrex Project Name: Jackson Unit #003 Project Manager: Chance Dixon Address: 3101 Boyd Dr.						City, State, Zip:			Lab Use Only								TAT State				State
									Lab WO# Jo					ob Number			1D 2D 3D St		Std	MM CO UT TX	
					_								24	24015-0001			X				X
					_																
					- 1	Phone:			The second				Ana	lysis	and	Met	ethod			EPA Program	
City, State, Zip: Carlsbad, NM, 88220 Phone: 575-725-5001 Email: Miscellaneous: Direct Bit											- 1										SDWA CWA RCRA
	515-72	5-50	01		_	Miscellaneous: Direct Bill +0															
Email:						Tap Rock ATTN: Bill Ramsey				015	515									-	Compliance Y or N
								1		by 8	by 8(171	90	0.00	Σ	¥	tals				PWSID#
				Samp	ole Informa	ation	12.0			ORO	ORO	oy 80	y 826	de 3(Z-J	- 500	8 Me				
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field	Lab Numb	er	DRO/ORO by 8015	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
0855	8.15,24	Soil	1	BHZU	1-09	8. o´		1		X	χ	X		X							
Addition	al Instruction	ns: Dire	ect bill	to Ta	p Rock	ATTN: Bill Ramsey, P	lease	eme co		C	dis	(on	0	Ver	te;	6 6 6	sou cce.	rce	, Co		Permian A Vertex resource, com
	aler), attest to the			of this sample	e. I am aware i	hat tampering with or intentionally mislabelin	g the san	ple locat	ion, (
	ed by: (Signature			15.24	Time 2:40	Received by: (Signature) Michilly Tuy	Date 8	15-2	4	Time	140)	53		1000						st be received on ice the day they are temp above 0 but less than 6C on
		1 2240			-16-20		Time 0800									(Y)	Use Only				
	ed by: (Signature	a)	Date		Time	Received by: (Signature)	Date			Time					T1				T2		Т3
Relinquishe	ed by: (Signature	e)	Date		Time	Received by: (Signature)	Date		3	Time					11	Tor	np °C		12		13
Sample Mark	rix: S - Soil, Sd - So	olid Sa - Cluz	dae A - Acus	ous O - Othor			Cont	tainer T	Vne	. p - a	lacc	n - D	alv/p	astic	AVG	iem	ip C	S V -	ΛΟΔΙ	Т	
			A CONTRACTOR OF THE PARTY OF TH			r arrangements are made. Hazardous san						_			_					or the	a analysis of the above samples is
Hard Street Contraction				The second second		The liability of the laboratory is limited to	C. C. C. C. C. C.						useu i	Ji di l	ne che	iii ex	pense.	. The f	ehort it	or the	analysis of the above samples is



envirotech

Printed: 8/16/2024 8:40:07AM

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:	08/16/24 (08:00		Work Order ID:	E408143
Phone:	(575) 748-0176	Date Logged In:	08/15/24 1	.5:10		Logged In By:	Noe Soto
Email:	cdixon@vertex.ca	Due Date:		17:00 (0 day TAT)		088	
Chain of	Custody (COC)						
1. Does th	e sample ID match the COC?		Yes				
2. Does th	e number of samples per sampling site location mate	ch the COC	Yes				
3. Were sa	imples dropped off by client or carrier?		Yes	Carrier: C	<u>ourier</u>		
4. Was the	COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes				
5. Were al	l samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in					Comments	s/Resolution
Samula T	i.e, 15 minute hold time, are not included in this disucssio	n.		Г		Comment	
	urn Around Time (TAT) COC indicate standard TAT, or Expedited TAT?		Yes				
	•		108				
Sample C	ample cooler received?		Yes				
	was cooler received in good condition?						
•	· ·		Yes				
	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling		Yes				
13. If no v	risible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
Sample C	<u>ontainer</u>						
14. Are aq	ueous 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 no	on-VOC samples collected in the correct containers?		Yes				
19. Is the a	ppropriate volume/weight or number of sample contain	ers collected?	Yes				
Field Lab	<u>el</u>						
	field sample labels filled out with the minimum info	rmation:					
	imple ID?		Yes				
	ate/Time Collected? ollectors name?		Yes	•			
-			Yes				
	reservation he COC or field labels indicate the samples were pr	seamad?	No				
	mple(s) correctly preserved?	CSCI VCU:	NA				
	filteration required and/or requested for dissolved m	etals?	No				
	•	cuis.	110				
	se Sample Matrix	. 0	2.7				
	he sample have more than one phase, i.e., multiphas		No				
27. II yes,	does the COC specify which phase(s) is to be analy	zed?	NA				
	act Laboratory						
	mples required to get sent to a subcontract laborator	•	No				
29. Was a	subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab	: NA		
Client In	<u>struction</u>						
		<u> </u>					

Page 12 of 12

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





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Practical Solutions for a Better Tomorrow

Analytical Report

Vertex Resource Services Inc.

Project Name: Jackson Unit #003

Work Order: E408175

Job Number: 19031-0001

Received: 8/21/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/27/24

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: 8/27/24

Chance Dixon 3101 Boyd Drive Carlsbad, NM 88220

Project Name: Jackson Unit #003

Workorder: E408175

Date Received: 8/21/2024 5:00:00AM

Chance Dixon,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/21/2024 5:00:00AM, under the Project Name: Jackson Unit #003.

The analytical test results summarized in this report with the Project Name: Jackson Unit #003 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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Envirotech Web Address: www.envirotech-inc.com



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Sample Summary

Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	Donautad.
3101 Boyd Drive	Project Number:	19031-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	08/27/24 07:55

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
WES24-11 0-4'	E408175-01A	soil	08/19/24	08/21/24	Glass Jar, 2 oz.
BES24-01 4.0'	E408175-02A	soil	08/19/24	08/21/24	Glass Jar, 2 oz.
BES24-02 4.0'	E408175-03A	soil	08/19/24	08/21/24	Glass Jar, 2 oz.
BES24-03 4.0'	E408175-04A	soil	08/19/24	08/21/24	Glass Jar, 2 oz.
BES24-04 8.5'	E408175-05A	soil	08/19/24	08/21/24	Glass Jar, 2 oz.
BES24-05 6.0'	E408175-06A	soil	08/19/24	08/21/24	Glass Jar, 2 oz.
BES24-06 4.0'	E408175-07A	soil	08/19/24	08/21/24	Glass Jar, 2 oz.
BES24-07 4.0'	E408175-08A	soil	08/19/24	08/21/24	Glass Jar, 2 oz.
BES24-08 4.0'	E408175-09A	soil	08/19/24	08/21/24	Glass Jar, 2 oz.
BES24-09 4.0'	E408175-10A	soil	08/19/24	08/21/24	Glass Jar, 2 oz.
WES24-13 0-4'	E408175-11A	soil	08/19/24	08/21/24	Glass Jar, 2 oz.
WES24-15 0-4'	E408175-12A	soil	08/19/24	08/21/24	Glass Jar, 2 oz.
WES24-16 0-4'	E408175-13A	soil	08/19/24	08/21/24	Glass Jar, 2 oz.
WES24-04 0-4'	E408175-14A	soil	08/19/24	08/21/24	Glass Jar, 2 oz.
WES24-05 4-8'	E408175-15A	soil	08/19/24	08/21/24	Glass Jar, 2 oz.
WES24-06 4-8'	E408175-16A	soil	08/19/24	08/21/24	Glass Jar, 2 oz.
WES24-07 4-6'	E408175-17A	soil	08/19/24	08/21/24	Glass Jar, 2 oz.
WES24-08 0-4'	E408175-18A	soil	08/19/24	08/21/24	Glass Jar, 2 oz.
WES24-09 0-4'	E408175-19A	soil	08/19/24	08/21/24	Glass Jar, 2 oz.
WES24-10 0-4'	E408175-20A	soil	08/19/24	08/21/24	Glass Jar, 2 oz.
BES24-10 4.0'	E408175-21A	soil	08/19/24	08/21/24	Glass Jar, 2 oz.



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	19031-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	8/27/2024 7:55:12AM

WES24-11 0-4' E408175-01

		12400173-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: CG		Batch: 2434046
Benzene	ND	0.0250	1	08/21/24	08/22/24	
Ethylbenzene	ND	0.0250	1	08/21/24	08/22/24	
Toluene	ND	0.0250	1	08/21/24	08/22/24	
o-Xylene	ND	0.0250	1	08/21/24	08/22/24	
p,m-Xylene	ND	0.0500	1	08/21/24	08/22/24	
Total Xylenes	ND	0.0250	1	08/21/24	08/22/24	
Surrogate: 4-Bromochlorobenzene-PID		92.1 %	70-130	08/21/24	08/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: CG		Batch: 2434046
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/24	08/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.3 %	70-130	08/21/24	08/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2434049
Diesel Range Organics (C10-C28)	189	25.0	1	08/21/24	08/22/24	
Oil Range Organics (C28-C36)	77.0	50.0	1	08/21/24	08/22/24	
Surrogate: n-Nonane		89.7 %	50-200	08/21/24	08/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: DT		Batch: 2434050
Chloride	50.5	20.0	1	08/21/24	08/21/24	



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	19031-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	8/27/2024 7:55:12AM

BES24-01 4.0'

		E408175-02				
Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: CG		Batch: 2434046
Benzene	ND	0.0250	1	08/21/24	08/22/24	
Ethylbenzene	ND	0.0250	1	08/21/24	08/22/24	
Toluene	ND	0.0250	1	08/21/24	08/22/24	
o-Xylene	ND	0.0250	1	08/21/24	08/22/24	
p,m-Xylene	ND	0.0500	1	08/21/24	08/22/24	
Total Xylenes	ND	0.0250	1	08/21/24	08/22/24	
Surrogate: 4-Bromochlorobenzene-PID		91.6 %	70-130	08/21/24	08/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: CG		Batch: 2434046
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/24	08/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.2 %	70-130	08/21/24	08/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2434049
Diesel Range Organics (C10-C28)	1570	25.0	1	08/21/24	08/22/24	
Oil Range Organics (C28-C36)	225	50.0	1	08/21/24	08/22/24	
Surrogate: n-Nonane		86.8 %	50-200	08/21/24	08/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2434050
Chloride	29.7	20.0	1	08/21/24	08/21/24	



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	19031-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	8/27/2024 7:55:12AM

BES24-02 4.0'

	ъ .:				
					
Result	Limit	Dilution	n Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	alyst: CG		Batch: 2434046
ND	0.0250	1	08/21/24	08/22/24	
ND	0.0250	1	08/21/24	08/22/24	
ND	0.0250	1	08/21/24	08/22/24	
ND	0.0250	1	08/21/24	08/22/24	
ND	0.0500	1	08/21/24	08/22/24	
ND	0.0250	1	08/21/24	08/22/24	
	91.5 %	70-130	08/21/24	08/22/24	
mg/kg	mg/kg	Ana	alyst: CG		Batch: 2434046
ND	20.0	1	08/21/24	08/22/24	
	95.9 %	70-130	08/21/24	08/22/24	
mg/kg	mg/kg	Ana	alyst: NV		Batch: 2434049
349	25.0	1	08/21/24	08/22/24	_
110	50.0	1	08/21/24	08/22/24	
	82.3 %	50-200	08/21/24	08/22/24	
mg/kg	mg/kg	Ana	alyst: DT		Batch: 2434050
- U					
	ND ND ND ND ND ND ND ND Mg/kg ND mg/kg 110	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 MB/kg mg/kg MB/kg mg/kg MB/kg mg/kg 349 25.0 110 50.0 82.3 %	Result Limit Dilution mg/kg mg/kg And ND 0.0250 1 MD 0.0250 1 91.5 % 70-130 mg/kg mg/kg And ND 20.0 1 95.9 % 70-130 1 mg/kg mg/kg And 349 25.0 1 110 50.0 1 82.3 % 50-200	Result Limit Dilution Prepared mg/kg mg/kg Analyst: CG ND 0.0250 1 08/21/24 ND 0.0250 1 08/21/24 ND 0.0250 1 08/21/24 ND 0.0250 1 08/21/24 ND 0.0500 1 08/21/24 ND 0.0250 1 08/21/24 mg/kg mg/kg Analyst: CG ND 20.0 1 08/21/24 mg/kg mg/kg Analyst: NV 349 25.0 1 08/21/24 mg/kg 50.0 1 08/21/24 82.3 % 50-200 08/21/24	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: CG ND 0.0250 1 08/21/24 08/22/24 ND 0.0250 1 08/21/24 08/22/24 ND 0.0250 1 08/21/24 08/22/24 ND 0.0500 1 08/21/24 08/22/24 ND 0.0250 1 08/21/24 08/22/24 ND 0.0250 1 08/21/24 08/22/24 mg/kg mg/kg Analyst: CG 08/21/24 08/22/24 MD 20.0 1 08/21/24 08/22/24 mg/kg mg/kg Analyst: CG 08/21/24 08/22/24 mg/kg mg/kg Analyst: NV 08/22/24 349 25.0 1 08/21/24 08/22/24 10 50.0 1 08/21/24 08/22/24 82.3 % 50-200 08/21/24 08/21/24 08/22/24



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	19031-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	8/27/2024 7:55:12AM

BES24-03 4.0'

	Danartina				
Result	Limit	Dilutio	n Prepared	Analyzed	Notes
mg/kg	mg/kg	An	alyst: CG		Batch: 2434046
ND	0.0250	1	08/21/24	08/22/24	
ND	0.0250	1	08/21/24	08/22/24	
ND	0.0250	1	08/21/24	08/22/24	
ND	0.0250	1	08/21/24	08/22/24	
ND	0.0500	1	08/21/24	08/22/24	
ND	0.0250	1	08/21/24	08/22/24	
	91.4 %	70-130	08/21/24	08/22/24	
mg/kg	mg/kg	An	alyst: CG		Batch: 2434046
ND	20.0	1	08/21/24	08/22/24	
	96.5 %	70-130	08/21/24	08/22/24	
mg/kg	mg/kg	An	alyst: NV		Batch: 2434049
81.8	25.0	1	08/21/24	08/22/24	
ND	50.0	1	08/21/24	08/22/24	
	84.3 %	50-200	08/21/24	08/22/24	
mg/kg	mg/kg	An	alyst: DT		Batch: 2434050
gg	8 8				
	mg/kg ND	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 MB/kg mg/kg MB/kg mg/kg MB/kg mg/kg MB/kg mg/kg MB/kg 50.0 84.3 %	Result Limit Dilution mg/kg mg/kg An 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 91.4 % 70-130 mg/kg mg/kg An ND 20.0 1 mg/kg mg/kg An 81.8 25.0 1 ND 50.0 1 84.3 % 50-200	Result Limit Dilution Prepared mg/kg mg/kg Analyst: CG ND 0.0250 1 08/21/24 ND 0.0250 1 08/21/24 ND 0.0250 1 08/21/24 ND 0.0250 1 08/21/24 ND 0.0500 1 08/21/24 ND 0.0250 1 08/21/24 mg/kg mg/kg Analyst: CG ND 20.0 1 08/21/24 mg/kg mg/kg Analyst: NV 81.8 25.0 1 08/21/24 ND 50.0 1 08/21/24 84.3 % 50-200 08/21/24	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: CG ND 0.0250 1 08/21/24 08/22/24 ND 0.0250 1 08/21/24 08/22/24 ND 0.0250 1 08/21/24 08/22/24 ND 0.0500 1 08/21/24 08/22/24 ND 0.0250 1 08/21/24 08/22/24 ND 0.0250 1 08/21/24 08/22/24 mg/kg mg/kg Analyst: CG 08/21/24 08/22/24 ND 20.0 1 08/21/24 08/22/24 mg/kg mg/kg Analyst: CG 08/21/24 08/22/24 mg/kg mg/kg Analyst: NV 08/22/24 81.8 25.0 1 08/21/24 08/22/24 ND 50.0 1 08/21/24 08/22/24 84.3 % 50-200 08/21/24 08/22/24



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	19031-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	8/27/2024 7:55:12AM

BES24-04 8.5'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: CG		Batch: 2434046
Benzene	ND	0.0250	1	08/21/24	08/22/24	
Ethylbenzene	0.0307	0.0250	1	08/21/24	08/22/24	
Toluene	ND	0.0250	1	08/21/24	08/22/24	
o-Xylene	0.0780	0.0250	1	08/21/24	08/22/24	
p,m-Xylene	0.161	0.0500	1	08/21/24	08/22/24	
Total Xylenes	0.239	0.0250	1	08/21/24	08/22/24	
Surrogate: 4-Bromochlorobenzene-PID		91.1 %	70-130	08/21/24	08/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: CG		Batch: 2434046
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/24	08/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	08/21/24	08/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2434049
Diesel Range Organics (C10-C28)	396	25.0	1	08/21/24	08/22/24	
Oil Range Organics (C28-C36)	63.3	50.0	1	08/21/24	08/22/24	
Surrogate: n-Nonane		85.2 %	50-200	08/21/24	08/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2434050
Chloride	ND	40.0	2	08/21/24	08/21/24	



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	19031-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	8/27/2024 7:55:12AM

BES24-05 6.0'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2434046
Benzene	ND	0.0250	1	08/21/24	08/22/24	
Ethylbenzene	ND	0.0250	1	08/21/24	08/22/24	
Toluene	ND	0.0250	1	08/21/24	08/22/24	
o-Xylene	ND	0.0250	1	08/21/24	08/22/24	
p,m-Xylene	ND	0.0500	1	08/21/24	08/22/24	
Total Xylenes	ND	0.0250	1	08/21/24	08/22/24	
Surrogate: 4-Bromochlorobenzene-PID		91.5 %	70-130	08/21/24	08/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2434046
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/24	08/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.8 %	70-130	08/21/24	08/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2434049
Diesel Range Organics (C10-C28)	162	25.0	1	08/21/24	08/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/24	08/22/24	
Surrogate: n-Nonane		83.1 %	50-200	08/21/24	08/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2434050
Chloride	ND	20.0	1	08/21/24	08/21/24	



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	19031-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	8/27/2024 7:55:12AM

BES24-06 4.0'

		2100176 07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Result	Limit	Dilution	Frepared	Anaryzeu	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: CG		Batch: 2434046
Benzene	ND	0.0250	1	08/21/24	08/22/24	
Ethylbenzene	ND	0.0250	1	08/21/24	08/22/24	
Toluene	ND	0.0250	1	08/21/24	08/22/24	
o-Xylene	ND	0.0250	1	08/21/24	08/22/24	
p,m-Xylene	ND	0.0500	1	08/21/24	08/22/24	
Total Xylenes	ND	0.0250	1	08/21/24	08/22/24	
Surrogate: 4-Bromochlorobenzene-PID		90.5 %	70-130	08/21/24	08/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: CG		Batch: 2434046
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/24	08/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.8 %	70-130	08/21/24	08/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2434049
Diesel Range Organics (C10-C28)	232	25.0	1	08/21/24	08/22/24	
Oil Range Organics (C28-C36)	62.1	50.0	1	08/21/24	08/22/24	
Surrogate: n-Nonane		87.2 %	50-200	08/21/24	08/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2434050
Chloride	31.7	20.0	1	08/21/24	08/21/24	



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	19031-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	8/27/2024 7:55:12AM

BES24-07 4.0'

		2100176 00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		vst: CG	7 mary zea	Batch: 2434046
Benzene	ND	0.0250	1	08/21/24	08/22/24	
Ethylbenzene	ND	0.0250	1	08/21/24	08/22/24	
Toluene	ND	0.0250	1	08/21/24	08/22/24	
o-Xylene	ND	0.0250	1	08/21/24	08/22/24	
p,m-Xylene	ND	0.0500	1	08/21/24	08/22/24	
Total Xylenes	ND	0.0250	1	08/21/24	08/22/24	
Surrogate: 4-Bromochlorobenzene-PID		90.1 %	70-130	08/21/24	08/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: CG		Batch: 2434046
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/24	08/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.4 %	70-130	08/21/24	08/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2434049
Diesel Range Organics (C10-C28)	243	25.0	1	08/21/24	08/22/24	
Oil Range Organics (C28-C36)	57.6	50.0	1	08/21/24	08/22/24	
Surrogate: n-Nonane		85.2 %	50-200	08/21/24	08/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2434050
Chloride	46.1	20.0	1	08/21/24	08/21/24	



Chloride

Sample Data

Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	19031-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	8/27/2024 7:55:12AM

BES24-08 4.0'

E408175-09							
	Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: CG		Batch: 2434046	
Benzene	ND	0.0250	1	08/21/24	08/22/24		
Ethylbenzene	ND	0.0250	1	08/21/24	08/22/24		
Toluene	ND	0.0250	1	08/21/24	08/22/24		
o-Xylene	ND	0.0250	1	08/21/24	08/22/24		
p,m-Xylene	ND	0.0500	1	08/21/24	08/22/24		
Total Xylenes	ND	0.0250	1	08/21/24	08/22/24		
Surrogate: 4-Bromochlorobenzene-PID		90.5 %	70-130	08/21/24	08/22/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: CG		Batch: 2434046	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/24	08/22/24		
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.1 %	70-130	08/21/24	08/22/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: NV		Batch: 2434049	
Diesel Range Organics (C10-C28)	54.0	25.0	1	08/21/24	08/22/24		
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/24	08/22/24		
Surrogate: n-Nonane		90.8 %	50-200	08/21/24	08/22/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2434050	

40.0

97.7

2

08/21/24

08/21/24



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	19031-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	8/27/2024 7:55:12AM

BES24-09 4.0'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2434046
Benzene	ND	0.0250	1	08/21/24	08/22/24	
Ethylbenzene	ND	0.0250	1	08/21/24	08/22/24	
Toluene	ND	0.0250	1	08/21/24	08/22/24	
o-Xylene	ND	0.0250	1	08/21/24	08/22/24	
p,m-Xylene	ND	0.0500	1	08/21/24	08/22/24	
Total Xylenes	ND	0.0250	1	08/21/24	08/22/24	
Surrogate: 4-Bromochlorobenzene-PID		89.2 %	70-130	08/21/24	08/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2434046
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/24	08/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.4 %	70-130	08/21/24	08/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2434049
Diesel Range Organics (C10-C28)	81.8	25.0	1	08/21/24	08/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/24	08/23/24	
Surrogate: n-Nonane		83.6 %	50-200	08/21/24	08/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2434050
· · · · · · · · · · · · · · · · · · ·	ND	20.0	- 1	08/21/24	08/21/24	·



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	19031-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	8/27/2024 7:55:12AM

WES24-13 0-4'

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: CG		Batch: 2434046
Benzene	ND	0.0250	1	08/21/24	08/22/24	
Ethylbenzene	ND	0.0250	1	08/21/24	08/22/24	
Toluene	ND	0.0250	1	08/21/24	08/22/24	
o-Xylene	ND	0.0250	1	08/21/24	08/22/24	
p,m-Xylene	ND	0.0500	1	08/21/24	08/22/24	
Total Xylenes	ND	0.0250	1	08/21/24	08/22/24	
Surrogate: 4-Bromochlorobenzene-PID		88.3 %	70-130	08/21/24	08/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: CG		Batch: 2434046
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/24	08/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.8 %	70-130	08/21/24	08/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: NV		Batch: 2434049
Diesel Range Organics (C10-C28)	ND	25.0	1	08/21/24	08/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/24	08/23/24	
Surrogate: n-Nonane		95.4 %	50-200	08/21/24	08/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: DT		Batch: 2434050
Chloride	90.4	20.0	1	08/21/24	08/21/24	



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	19031-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	8/27/2024 7:55:12AM

WES24-15 0-4'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: CG		Batch: 2434046
Benzene	ND	0.0250	1	08/21/24	08/22/24	
Ethylbenzene	ND	0.0250	1	08/21/24	08/22/24	
Toluene	ND	0.0250	1	08/21/24	08/22/24	
o-Xylene	ND	0.0250	1	08/21/24	08/22/24	
p,m-Xylene	ND	0.0500	1	08/21/24	08/22/24	
Total Xylenes	ND	0.0250	1	08/21/24	08/22/24	
Surrogate: 4-Bromochlorobenzene-PID		89.8 %	70-130	08/21/24	08/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: CG		Batch: 2434046
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/24	08/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.1 %	70-130	08/21/24	08/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2434049
Diesel Range Organics (C10-C28)	115	25.0	1	08/21/24	08/23/24	
Oil Range Organics (C28-C36)	50.0	50.0	1	08/21/24	08/23/24	
Surrogate: n-Nonane		87.8 %	50-200	08/21/24	08/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2434050
Chloride	66.3	20.0	1	08/21/24	08/21/24	



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	19031-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	8/27/2024 7:55:12AM

WES24-16 0-4'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: CG		Batch: 2434046
Benzene	ND	0.0250	1	08/21/24	08/22/24	
Ethylbenzene	ND	0.0250	1	08/21/24	08/22/24	
Toluene	ND	0.0250	1	08/21/24	08/22/24	
o-Xylene	ND	0.0250	1	08/21/24	08/22/24	
p,m-Xylene	ND	0.0500	1	08/21/24	08/22/24	
Total Xylenes	ND	0.0250	1	08/21/24	08/22/24	
Surrogate: 4-Bromochlorobenzene-PID		89.0 %	70-130	08/21/24	08/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: CG		Batch: 2434046
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/24	08/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.4 %	70-130	08/21/24	08/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2434049
Diesel Range Organics (C10-C28)	128	25.0	1	08/21/24	08/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/24	08/23/24	
Surrogate: n-Nonane		90.8 %	50-200	08/21/24	08/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2434050
Chloride	52.1	20.0	1	08/21/24	08/21/24	



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	19031-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	8/27/2024 7:55:12AM

WES24-04 0-4'

	Danartina				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: CG		Batch: 2434046
ND	0.0250	1	08/21/24	08/22/24	
ND	0.0250	1	08/21/24	08/22/24	
ND	0.0250	1	08/21/24	08/22/24	
ND	0.0250	1	08/21/24	08/22/24	
ND	0.0500	1	08/21/24	08/22/24	
ND	0.0250	1	08/21/24	08/22/24	
	89.4 %	70-130	08/21/24	08/22/24	
mg/kg	mg/kg	Ana	lyst: CG		Batch: 2434046
ND	20.0	1	08/21/24	08/22/24	
	95.0 %	70-130	08/21/24	08/22/24	
mg/kg	mg/kg	Ana	lyst: NV		Batch: 2434049
26.4	25.0	1	08/21/24	08/24/24	
ND	50.0	1	08/21/24	08/24/24	
	103 %	50-200	08/21/24	08/24/24	
mg/kg	mg/kg	Ana	lyst: DT		Batch: 2434050
mg/kg	mg ng		*		
	mg/kg ND ND ND ND ND ND ND ND Mg/kg ND	mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 89.4 % mg/kg mg/kg mg/kg MD 20.0 95.0 % mg/kg mg/kg 26.4 25.0 ND 50.0	Result Limit Dilution 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 ND 0.0250 1 89.4 % 70-130 mg/kg mg/kg Ana ND 20.0 1 95.0 % 70-130 mg/kg mg/kg Ana 26.4 25.0 1 ND 50.0 1 103 % 50-200	Result Limit Dilution Prepared mg/kg mg/kg Analyst: CG ND 0.0250 1 08/21/24 ND 0.0250 1 08/21/24 ND 0.0250 1 08/21/24 ND 0.0250 1 08/21/24 ND 0.0500 1 08/21/24 ND 0.0250 1 08/21/24 mg/kg mg/kg Analyst: CG ND 20.0 1 08/21/24 mg/kg mg/kg Analyst: NV 26.4 25.0 1 08/21/24 ND 50.0 1 08/21/24 103 % 50-200 08/21/24	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: CG ND 0.0250 1 08/21/24 08/22/24 ND 0.0500 1 08/21/24 08/22/24 ND 0.0250 1 08/21/24 08/22/24 mg/kg mg/kg Analyst: CG ND 20.0 1 08/21/24 08/22/24 mg/kg mg/kg Analyst: CG 08/21/24 08/22/24 mg/kg mg/kg Analyst: NV 08/21/24 08/22/24 mg/kg mg/kg Analyst: NV 08/21/24 08/24/24 ND 50.0 1 08/21/24 08/24/24 ND 50.0 1 08/21/24 08/24/24 ND 50.0 0



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	19031-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	8/27/2024 7:55:12AM

WES24-05 4-8'

		Domontin o				
Analyte	Result	Reporting Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: CG		Batch: 2434046
Benzene	ND	0.0250	1	08/21/24	08/22/24	
Ethylbenzene	ND	0.0250	1	08/21/24	08/22/24	
Toluene	ND	0.0250	1	08/21/24	08/22/24	
o-Xylene	0.0393	0.0250	1	08/21/24	08/22/24	
p,m-Xylene	0.0790	0.0500	1	08/21/24	08/22/24	
Total Xylenes	0.118	0.0250	1	08/21/24	08/22/24	
Surrogate: 4-Bromochlorobenzene-PID		89.6 %	70-130	08/21/24	08/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: CG		Batch: 2434046
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/24	08/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	08/21/24	08/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2434049
Diesel Range Organics (C10-C28)	329	25.0	1	08/21/24	08/23/24	
Oil Range Organics (C28-C36)	55.1	50.0	1	08/21/24	08/23/24	
Surrogate: n-Nonane		78.2 %	50-200	08/21/24	08/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2434050
Chloride	ND	20.0	1	08/21/24	08/21/24	·



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	19031-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	8/27/2024 7:55:12AM

WES24-06 4-8'

		2100176 10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Result	Lillit	Dilution	Frepared	Anaryzeu	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: CG		Batch: 2434046
Benzene	ND	0.0250	1	08/21/24	08/23/24	
Ethylbenzene	0.0313	0.0250	1	08/21/24	08/23/24	
Toluene	ND	0.0250	1	08/21/24	08/23/24	
o-Xylene	0.0709	0.0250	1	08/21/24	08/23/24	
p,m-Xylene	0.188	0.0500	1	08/21/24	08/23/24	
Total Xylenes	0.259	0.0250	1	08/21/24	08/23/24	
Surrogate: 4-Bromochlorobenzene-PID		90.9 %	70-130	08/21/24	08/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: CG		Batch: 2434046
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/24	08/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	08/21/24	08/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2434049
Diesel Range Organics (C10-C28)	832	25.0	1	08/21/24	08/23/24	
Oil Range Organics (C28-C36)	103	50.0	1	08/21/24	08/23/24	
Surrogate: n-Nonane		87.1 %	50-200	08/21/24	08/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2434050
Chloride	51.7	40.0	2	08/21/24	08/21/24	



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	19031-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	8/27/2024 7:55:12AM

WES24-07 4-6'

	Reporting				
Result	Limit		n Prepared	Analyzed	Notes
mg/kg	mg/kg	An	alyst: CG		Batch: 2434046
ND	0.0250	1	08/21/24	08/23/24	
ND	0.0250	1	08/21/24	08/23/24	
ND	0.0250	1	08/21/24	08/23/24	
ND	0.0250	1	08/21/24	08/23/24	
ND	0.0500	1	08/21/24	08/23/24	
ND	0.0250	1	08/21/24	08/23/24	
	89.9 %	70-130	08/21/24	08/23/24	
mg/kg	mg/kg	An	analyst: CG		Batch: 2434046
ND	20.0	1	08/21/24	08/23/24	
	96.2 %	70-130	08/21/24	08/23/24	
mg/kg	mg/kg	An	alyst: NV		Batch: 2434049
113	25.0	1	08/21/24	08/23/24	
ND	50.0	1	08/21/24	08/23/24	
	88.0 %	50-200	08/21/24	08/23/24	
mg/kg	mg/kg	An	alyst: DT		Batch: 2434050
mg/Kg					
	mg/kg ND	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 0.0250 89.9 % mg/kg MD 20.0 96.2 % mg/kg mg/kg mg/kg ND 50.0 88.0 %	mg/kg mg/kg An ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 89.9 % 70-130 mg/kg mg/kg An ND 20.0 1 96.2 % 70-130 1 mg/kg mg/kg An ND 50.0 1 88.0 % 50-200	Result Limit Dilution Prepared mg/kg mg/kg Analyst: CG ND 0.0250 1 08/21/24 ND 0.0250 1 08/21/24 ND 0.0250 1 08/21/24 ND 0.0250 1 08/21/24 ND 0.0500 1 08/21/24 ND 0.0250 1 08/21/24 mg/kg mg/kg Analyst: CG ND 20.0 1 08/21/24 mg/kg mg/kg Analyst: NV 113 25.0 1 08/21/24 ND 50.0 1 08/21/24 88.0 % 50-200 08/21/24	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: CG ND 0.0250 1 08/21/24 08/23/24 ND 0.0500 1 08/21/24 08/23/24 ND 0.0250 1 08/21/24 08/23/24 mg/kg mg/kg Analyst: CG ND 20.0 1 08/21/24 08/23/24 mg/kg mg/kg Analyst: CG 08/21/24 08/23/24 mg/kg mg/kg Analyst: NV 08/23/24 113 25.0 1 08/21/24 08/23/24 ND 50.0 1 08/21/24 08/23/24 ND 50.0 1 08/21/24 08/23/24



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	19031-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	8/27/2024 7:55:12AM

WES24-08 0-4'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: CG		Batch: 2434046
Benzene	ND	0.0250	1	08/21/24	08/23/24	
Ethylbenzene	ND	0.0250	1	08/21/24	08/23/24	
Toluene	ND	0.0250	1	08/21/24	08/23/24	
o-Xylene	ND	0.0250	1	08/21/24	08/23/24	
p,m-Xylene	ND	0.0500	1	08/21/24	08/23/24	
Total Xylenes	ND	0.0250	1	08/21/24	08/23/24	
Surrogate: 4-Bromochlorobenzene-PID		89.5 %	70-130	08/21/24	08/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2434046
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/24	08/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.3 %	70-130	08/21/24	08/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2434049
Diesel Range Organics (C10-C28)	51.3	25.0	1	08/21/24	08/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/24	08/23/24	
Surrogate: n-Nonane		87.4 %	50-200	08/21/24	08/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2434050
Chloride	62.0	20.0	1	08/21/24	08/22/24	



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	19031-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	8/27/2024 7:55:12AM

WES24-09 0-4'

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: CG		Batch: 2434046
Benzene	ND	0.0250	1	08/21/24	08/23/24	
Ethylbenzene	ND	0.0250	1	08/21/24	08/23/24	
Toluene	ND	0.0250	1	08/21/24	08/23/24	
o-Xylene	ND	0.0250	1	08/21/24	08/23/24	
p,m-Xylene	ND	0.0500	1	08/21/24	08/23/24	
Total Xylenes	ND	0.0250	1	08/21/24	08/23/24	
Surrogate: 4-Bromochlorobenzene-PID		89.4 %	70-130	08/21/24	08/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: CG		Batch: 2434046
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/24	08/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.5 %	70-130	08/21/24	08/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: NV		Batch: 2434049
Diesel Range Organics (C10-C28)	ND	25.0	1	08/21/24	08/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/24	08/23/24	
Surrogate: n-Nonane		89.3 %	50-200	08/21/24	08/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: DT		Batch: 2434050
Chloride	50.3	20.0	1	08/21/24	08/22/24	



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	19031-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	8/27/2024 7:55:12AM

WES24-10 0-4'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: CG		Batch: 2434046
Benzene	ND	0.0250	1	08/21/24	08/23/24	
Ethylbenzene	ND	0.0250	1	08/21/24	08/23/24	
Toluene	ND	0.0250	1	08/21/24	08/23/24	
o-Xylene	ND	0.0250	1	08/21/24	08/23/24	
p,m-Xylene	ND	0.0500	1	08/21/24	08/23/24	
Total Xylenes	ND	0.0250	1	08/21/24	08/23/24	
Surrogate: 4-Bromochlorobenzene-PID		90.4 %	70-130	08/21/24	08/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: CG	Batch: 2434046	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/24	08/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.9 %	70-130	08/21/24	08/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2434049
Diesel Range Organics (C10-C28)	63.9	25.0	1	08/21/24	08/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/24	08/23/24	
Surrogate: n-Nonane		89.7 %	50-200	08/21/24	08/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2434050



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	19031-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	8/27/2024 7:55:12AM

BES24-10 4.0'

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: CG		Batch: 2434044
Benzene	ND	0.0250	1	08/21/24	08/21/24	
Ethylbenzene	ND	0.0250	1	08/21/24	08/21/24	
Toluene	ND	0.0250	1	08/21/24	08/21/24	
o-Xylene	ND	0.0250	1	08/21/24	08/21/24	
p,m-Xylene	ND	0.0500	1	08/21/24	08/21/24	
Total Xylenes	ND	0.0250	1	08/21/24	08/21/24	
Surrogate: 4-Bromochlorobenzene-PID		89.5 %	70-130	08/21/24	08/21/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: CG		Batch: 2434044
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/24	08/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.6 %	70-130	08/21/24	08/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: NV		Batch: 2434048
Diesel Range Organics (C10-C28)	799	25.0	1	08/21/24	08/22/24	
Oil Range Organics (C28-C36)	157	50.0	1	08/21/24	08/22/24	
Surrogate: n-Nonane		96.7 %	50-200	08/21/24	08/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: DT		Batch: 2434045
	55.3	20.0		08/21/24	08/21/24	



QC Summary Data

Vertex Resource Services Inc.

Project Name: Jackson Unit #003

Reported:

3101 Boyd Drive Project Number: 19031-0001

Carlsbad NM, 88220 Project Manager: Chance Dixon 8/27/2024 7:55:12AM

Volatile Organics by EPA 8021B

Carlsbad NM, 88220		Project Manager		hance Dixon				8/2	27/2024 7:55:12AM	
Volatile Organics by EPA 8021B Analyst: CO										
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2434044-BLK1)							Prepared: 0	8/21/24 Anal	lyzed: 08/21/24	
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	7.10		8.00		88.7	70-130				
LCS (2434044-BS1)							Prepared: 0	8/21/24 Anal	yzed: 08/21/24	
Benzene	4.64	0.0250	5.00		92.7	70-130				
Ethylbenzene	4.50	0.0250	5.00		90.0	70-130				
Toluene	4.58	0.0250	5.00		91.7	70-130				
o-Xylene	4.48	0.0250	5.00		89.5	70-130				
p,m-Xylene	9.15	0.0500	10.0		91.5	70-130				
Total Xylenes	13.6	0.0250	15.0		90.8	70-130				
Surrogate: 4-Bromochlorobenzene-PID	7.26		8.00		90.8	70-130				
Matrix Spike (2434044-MS1)				Source:	E408176-	02	Prepared: 0	8/21/24 Anal	yzed: 08/21/24	
Benzene	4.71	0.0250	5.00	ND	94.3	54-133				
Ethylbenzene	4.56	0.0250	5.00	ND	91.1	61-133				
Toluene	4.65	0.0250	5.00	ND	92.9	61-130				
o-Xylene	4.54	0.0250	5.00	ND	90.8	63-131				
p,m-Xylene	9.27	0.0500	10.0	ND	92.7	63-131				
Total Xylenes	13.8	0.0250	15.0	ND	92.0	63-131				
Surrogate: 4-Bromochlorobenzene-PID	7.16		8.00		89.5	70-130				
Matrix Spike Dup (2434044-MSD1)				Source:	E408176-	02	Prepared: 0	8/21/24 Anal	yzed: 08/21/24	
Benzene	4.95	0.0250	5.00	ND	99.0	54-133	4.92	20		
Ethylbenzene	4.78	0.0250	5.00	ND	95.6	61-133	4.83	20		
Toluene	4.88	0.0250	5.00	ND	97.6	61-130	4.92	20		
o-Xylene	4.75	0.0250	5.00	ND	95.0	63-131	4.57	20		
p,m-Xylene	9.72	0.0500	10.0	ND	97.2	63-131	4.81	20		
Total Xylenes	14.5	0.0250	15.0	ND	96.5	63-131	4.73	20		
Surrogate: 4-Bromochlorobenzene-PID	7.12		8.00		89.0	70-130				



QC Summary Data

Vertex Resource Services Inc. Jackson Unit #003 Project Name: Reported: 3101 Boyd Drive Project Number: 19031-0001 Carlsbad NM, 88220 Project Manager: Chance Dixon 8/27/2024 7:55:12AM **Volatile Organics by EPA 8021B** Analyst: CG Source RPD Reporting Spike Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2434046-BLK1) Prepared: 08/21/24 Analyzed: 08/22/24 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.23 8.00 90.4 70-130 LCS (2434046-BS1) Prepared: 08/21/24 Analyzed: 08/22/24 4.31 5.00 86.2 70-130 0.0250 Benzene Ethylbenzene 4.15 0.0250 5.00 82.9 70-130 84.9 70-130 4.24 0.0250 5.00 Toluene 4.13 82.6 70-130 o-Xylene 0.0250 5.00 8.44 0.0500 10.0 84.4 70-130 p,m-Xylene 12.6 83.8 70-130 0.0250 15.0 Total Xylenes 8.00 91.5 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.32

Matrix Spike (2434046-MS1)				Source:	E408175-	05	Prepared: 08/21/24 Analyzed: 08/22/24
Benzene	4.98	0.0250	5.00	ND	99.5	54-133	
Ethylbenzene	4.83	0.0250	5.00	0.0307	96.0	61-133	
Toluene	4.92	0.0250	5.00	ND	98.4	61-130	
o-Xylene	4.94	0.0250	5.00	0.0780	97.2	63-131	
p,m-Xylene	9.98	0.0500	10.0	0.161	98.2	63-131	
Total Xylenes	14.9	0.0250	15.0	0.239	97.9	63-131	
Surrogate: 4-Bromochlorobenzene-PID	7.23		8.00		90.4	70-130	

Matrix Spike Dup (2434046-MSD1)					Source: E408175-05			Prepared: 08/21/24 Analyzed: 08/22/24		
Benzene	5.02	0.0250	5.00	ND	100	54-133	0.905	20		
Ethylbenzene	4.88	0.0250	5.00	0.0307	97.0	61-133	1.02	20		
Toluene	4.96	0.0250	5.00	ND	99.2	61-130	0.810	20		
o-Xylene	4.99	0.0250	5.00	0.0780	98.3	63-131	1.17	20		
p,m-Xylene	10.0	0.0500	10.0	0.161	98.8	63-131	0.614	20		
Total Xylenes	15.0	0.0250	15.0	0.239	98.7	63-131	0.798	20		
Surrogate: 4-Bromochlorobenzene-PID	7.33		8.00		91.7	70-130				

Matrix Spike Dup (2434044-MSD2)

Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

38.8

7.72

20.0

QC Summary Data

Vertex Resource Services Inc.Project Name:Jackson Unit #003Reported:3101 Boyd DriveProject Number:19031-0001Carlsbad NM, 88220Project Manager:Chance Dixon8/27/20247:55:12AM

Carlsbad NM, 88220		Project Manager	r: Ch	nance Dixon				8/2	7/2024 7:55:12AM
	Non	halogenated	Organics l	by EPA 80	15D - G	RO			Analyst: CG
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2434044-BLK1)							Prepared: 0	8/21/24 Anal	yzed: 08/21/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.8	70-130			
LCS (2434044-BS2)							Prepared: 0	8/21/24 Anal	yzed: 08/21/24
Gasoline Range Organics (C6-C10)	40.1	20.0	50.0		80.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.79		8.00		97.4	70-130			
Matrix Spike (2434044-MS2)				Source:	E408176-	02	Prepared: 0	8/21/24 Anal	yzed: 08/21/24
Gasoline Range Organics (C6-C10)	39.2	20.0	50.0	ND	78.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		97.0	70-130			

50.0

8.00

Source: E408176-02

96.6

ND

Prepared: 08/21/24 Analyzed: 08/21/24

20

1.10

70-130

70-130

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Vertex Resource Services Inc.Project Name:Jackson Unit #003Reported:3101 Boyd DriveProject Number:19031-0001Carlsbad NM, 88220Project Manager:Chance Dixon8/27/20247:55:12AM

Carlsbad NM, 88220		Project Manage	r: Ch	nance Dixon				8/2	7/2024 7:55:12AM
	Non	halogenated			Analyst: CG				
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2434046-BLK1)							Prepared: 0	8/21/24 Anal	yzed: 08/22/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.1	70-130			
LCS (2434046-BS2)							Prepared: 0	8/21/24 Anal	yzed: 08/22/24
Gasoline Range Organics (C6-C10)	35.5	20.0	50.0		71.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.6	70-130			
Matrix Spike (2434046-MS2)				Source:	E408175-	05	Prepared: 0	8/21/24 Anal	yzed: 08/22/24
Gasoline Range Organics (C6-C10)	50.8	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.22		8.00		103	70-130			
Matrix Spike Dup (2434046-MSD2)				Source:	E408175-	05	Prepared: 0	8/21/24 Anal	yzed: 08/22/24
Gasoline Range Organics (C6-C10)	56.6	20.0	50.0	ND	113	70-130	10.8	20	

8.00

8.36

104

70-130

QC Summary Data

Vertex Resource Services Inc.Project Name:Jackson Unit #003Reported:3101 Boyd DriveProject Number:19031-0001Carlsbad NM, 88220Project Manager:Chance Dixon8/27/20247:55:12AM

Carlsbad NM, 88220		Project Manage	r: Ch	nance Dixon					8/27/2024 7:55:12AN
	Nonhal	logenated Or	ganics by	EPA 8015I	D - 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 (2434048-BLK1)							Prepared: 0	8/21/24 Ar	nalyzed: 08/22/24
Diesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	48.5		50.0		96.9	50-200			
LCS (2434048-BS1)							Prepared: 0	8/21/24 Ar	nalyzed: 08/22/24
Diesel Range Organics (C10-C28)	222	25.0	250		88.8	38-132			
urrogate: n-Nonane	45.4		50.0		90.8	50-200			
Matrix Spike (2434048-MS1)				Source:	E408175-2	21	Prepared: 0	8/21/24 Ar	alyzed: 08/22/24
Diesel Range Organics (C10-C28)	1070	25.0	250	799	109	38-132			
urrogate: n-Nonane	48.0		50.0		96.0	50-200			
Matrix Spike Dup (2434048-MSD1)				Source:	E408175-2	21	Prepared: 0	8/21/24 Ar	nalyzed: 08/22/24
Diesel Range Organics (C10-C28)	1020	25.0	250	799	86.6	38-132	5.47	20	
urrogate: n-Nonane	50.0		50.0		100	50-200			



QC Summary Data

Vertex Resource Services Inc.Project Name:Jackson Unit #003Reported:3101 Boyd DriveProject Number:19031-0001Carlsbad NM, 88220Project Manager:Chance Dixon8/27/20247:55:12AM

Carlsbad NM, 88220		Project Manage	r: Ch	ance Dixon				8/2	7/2024 7:55:12AN
	Nonhal	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 (2434049-BLK1)							Prepared: 0	8/21/24 Anal	yzed: 08/22/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	45.1		50.0		90.3	50-200			
LCS (2434049-BS1)							Prepared: 0	8/21/24 Anal	yzed: 08/22/24
Diesel Range Organics (C10-C28)	231	25.0	250		92.5	38-132			
urrogate: n-Nonane	46.8		50.0		93.6	50-200			
Matrix Spike (2434049-MS1)				Source:	E408175-	02	Prepared: 0	8/21/24 Anal	yzed: 08/22/24
Diesel Range Organics (C10-C28)	2060	25.0	250	1570	198	38-132			M4
urrogate: n-Nonane	48.3		50.0		96.6	50-200			
Matrix Spike Dup (2434049-MSD1)				Source:	E408175-	02	Prepared: 0	8/21/24 Anal	yzed: 08/22/24
Diesel Range Organics (C10-C28)	1930	25.0	250	1570	144	38-132	6.75	20	M4
urrogate: n-Nonane	46.9		50.0		93.8	50-200			



Chloride

QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive	Project Name: Project Number:	Jackson Unit #003 19031-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	8/27/2024 7:55:12AM

Carlsbad NM, 88220		Project Manage	r: Cl	hance Dixon					8/27/2024 7:55:12AM
		Anions	by EPA 3	300.0/9056 <i>A</i>	\				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits		RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2434045-BLK1)							Prepared: 0	8/21/24 A	Analyzed: 08/21/24
Chloride	ND	20.0							
LCS (2434045-BS1)							Prepared: 0	8/21/24	Analyzed: 08/21/24
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2434045-MS1)				Source:	E408176-	01	Prepared: 0	8/21/24 A	Analyzed: 08/21/24
Chloride	384	200	250	ND	154	80-120			M5
Matrix Snike Dun (2434045-MSD1)				Source:	E408176-	01	Prepared: 0	8/21/24	Analyzed: 08/21/24

250

80-120

4.86

200



Chloride

QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive		Project Name: Project Number:	: 1	ackson Unit #0 9031-0001 Chance Dixon	03				Reported:
Carlsbad NM, 88220		Project Manager	: (8/27/2024 7:55:12AM			
		Anions	by EPA	300.0/9056A					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 (2434050-BLK1)							Prepared: 0	8/21/24 A	nalyzed: 08/21/24
Chloride	ND	20.0							
LCS (2434050-BS1)							Prepared: 0	8/21/24 A	nalyzed: 08/21/24
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2434050-MS1)				Source:	E408175-	05	Prepared: 0	8/21/24 A	nalyzed: 08/21/24
Chloride	267	40.0	250	ND	107	80-120			
Matrix Spike Dup (2434050-MSD1)				Source:	E408175-	05	Prepared: 0	8/21/24 A	nalyzed: 08/21/24

250

40.0

ND

105

80-120

1.52

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 Unit #003	
3101 Boyd Drive	Project Number:	19031-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	08/27/24 07:55

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.

M5 The analysis of the MS sample required a dilution such that the spike recovery calculation does not provide useful information. The

accociated 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.



Released to Imaging: 8/12/2025 11:44:26 AM

Client Information						Invoice Information					La	b Us	se Or	nly				TA	AT			Stat	:e
	sestex				Con	npany: Tap Rock (Bill Re	MSEY) La	ab W				Job	Num	ber		1D	2D	3D		NN	CO UT	TX
	Name: 3ag			003	Add	ress:	- 1	E	40	18	75	5	190	180	-00	10			7	X	×		
	Manager: C					, State, Zip:														-			
Address	3101 B	oyd Dr.	m 10	220	Pho					-			An	alysis	and	Met	hod					PA Progr	
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Email:	2 13. 103	2001							3		10									(Compliar	nce Y	or N
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				Sample Infor	mation	1				O by	O by	8021	8260	300	Z	XT-2	Meta			1		-	
Time Sampled	Date Sampled	Matrix	No. of Containers		S	ample ID	Field	Lab Numb	er	DRO/ORO	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005	RCRA 8 Metals					Remark	S
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1545				BES24-0	5	6.0		6															
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1555	1	4	1	BES24-0		4.0		10		1	4	-		1									
Addition	al Instructio	ns: Dire	ct bill	to Tap Rock AT	TN: B:	11 Ransey, Please Email: Lo								7									
	pler), attest to the			of this sample. I am awa	re that ta	رد: ۸ لـ و ampering with or intentionally mislabeling													grounds				
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Sample Mat	rix: S - Soil, Sd - S	olid, Sg - Sluc	dge, A - Aque	ous, O - Other			Con	tainer Ty	ype: g	g-g	lass,	p - p	oly/p	lastic					VOA				
Note: Samp	oles are discard	ed 14 days	after results	are reported unless of	ther arra	angements are made. Hazardous sam	ples wil	II be retu	rned t	to cli	ent o	r disp	osed	of at t	he clie	ent ex	pense	. The r	report f	for the	analysis	of the abov	e samples is

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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 Inform	nation		Invoi	ce Information	ation Lab Use Only TA							AT State									
Client: V					Company: Tap	LOCK (Bill Ram	sey)		b W				Job I				1D	2D	3D S		NM	CO UT	TX
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e client expense. The report for the analysis of the above samples is

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Chain of Custody

Page 3 of 3

dditional Instructions: Direct bits to Tap Rock ATIN: Bill Ransey (field sampler), attect to the validity and subtendicity 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. (field sampler), attect to the validity and subtendicity 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. (field sampler), street to the validity and subtendicity 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. (field sampler), street to the validity and subtendicity 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. (field sampler), street to the validity and subtendicity 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. (field sampler), street to the validity and subtendicity 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. (field sampler), street to the validity and subtendicity 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. (field sampler), attent to the validity and subtendicity 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. (field sampler), attent to the validity and subtendicity of this s	Client Information Invoice Information Lab Use Only							TAT State			State										
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Date Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6C on cubroquient daw. Date Time Bould Company				authenticity							r time	of coll	ection	is con	sidere	d frauc	d and n	nay be	grounds	for le	egal action.
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Imple Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other				-										_			_				

e client expense. The report for the analysis of the above samples is

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Printed: 8/21/2024 9:26:20AM

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:	08/21/24 (05:00		Work Order ID:	E408175
Phone:	(575) 748-0176	Date Logged In:	08/20/24	15:54		Logged In By:	Raina Schwanz
Email:	cdixon@vertex.ca	Due Date:		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 mate	ch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes				
5. Were al	Il samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in					Comments	s/Resolution
Sample T	i.e, 15 minute hold time, are not included in this disucssio	on.				<u></u>	
	Urn Around Time (TAT) COC indicate standard TAT, or Expedited TAT?		Yes				
	•		103				
Sample C	ample cooler received?		Yes				
	was cooler received in good condition?		Yes				
•	e sample(s) received intact, i.e., not broken?						
			Yes				
	custody/security seals present?		No				
•	were custody/security seals intact?		NA				
12. Was th	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling		Yes				
13. If no v	visible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
Sample C	Container						
	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 no	on-VOC samples collected in the correct containers?	•	Yes				
19. Is the a	appropriate volume/weight or number of sample contain	ers collected?	Yes				
Field Lab	<u>oel</u>						
20. Were	field sample labels filled out with the minimum info	rmation:					
	ample ID?		Yes				
	ate/Time Collected?		Yes	'			
	ollectors name?		No				
	' <u>reservation</u> the COC or field labels indicate the samples were pr	eserved?	No				
	ample(s) correctly preserved?	escived:	NA				
	filteration required and/or requested for dissolved m	etals?	No				
	•		110				
	se Sample Matrix the sample have more than one phase, i.e., multiphas	202	NT-				
	does the COC specify which phase(s) is to be analy		No				
		zeu?	NA				
	act Laboratory						
	amples required to get sent to a subcontract laborator	-	No				
29. Was a	subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab	: Courier		
Client In	struction						
							-

Page 39 of 39

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 Unit #003

Work Order: E409013

Job Number: 24015-0001

Received: 9/5/2024

Revision: 0

Report Reviewed By:

Draft Walter Hinchman Laboratory Director 9/5/24

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: 9/5/24

Chance Dixon 3101 Boyd Drive Carlsbad, NM 88220

Project Name: Jackson Unit #003

Workorder: E409013

Date Received: 9/5/2024 6:00:00AM

Chance Dixon,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/5/2024 6:00:00AM, under the Project Name: Jackson Unit #003.

The analytical test results summarized in this report with the Project Name: Jackson Unit #003 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

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Sample Summary

Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	Donoutoda
3101 Boyd Drive	Project Number:	24015-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	09/05/24 16:13

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
BES24-01 5'	E409013-01A Soil	09/04/24	09/05/24	Glass Jar, 2 oz.
WES24-21 0'-4'	E409013-02A Soil	09/04/24	09/05/24	Glass Jar, 2 oz.
WES24-22 0'-5'	E409013-03A Soil	09/04/24	09/05/24	Glass Jar, 2 oz.
WES24-23 0'-5'	E409013-04A Soil	09/04/24	09/05/24	Glass Jar, 2 oz.



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	24015-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	9/5/2024 4:13:03PM

BES24-01 5' E409013-01

	E409013-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA	· · · · · · · · · · · · · · · · · · ·	Batch: 2436038
ND	0.0250	1	09/05/24	09/05/24	
ND	0.0250	1	09/05/24	09/05/24	
ND	0.0250	1	09/05/24	09/05/24	
ND	0.0250	1	09/05/24	09/05/24	
ND	0.0500	1	09/05/24	09/05/24	
ND	0.0250	1	09/05/24	09/05/24	
	105 %	70-130	09/05/24	09/05/24	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2436038
ND	20.0	1	09/05/24	09/05/24	
	95.3 %	70-130	09/05/24	09/05/24	
mg/kg	mg/kg	Anal	yst: KH		Batch: 2436036
313	25.0	1	09/05/24	09/05/24	
68.0	50.0	1	09/05/24	09/05/24	
	70.4 %	50-200	09/05/24	09/05/24	
mg/kg	mg/kg	Anal	yst: WF		Batch: 2436037
ND	20.0	1	09/05/24	09/05/24	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg 313 68.0	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 I05 % mg/kg mg/kg mg/kg ND 20.0 95.3 % mg/kg mg/kg mg/kg 313 25.0 68.0 50.0 70.4 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Anal 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 MD 0.0250 1 Mg/kg mg/kg Anal ND 20.0 1 95.3 % 70-130 mg/kg mg/kg Anal 313 25.0 1 70.4 % 50-200 mg/kg mg/kg Anal	Reporting Result Limit Dilution Prepared mg/kg Analyst: BA ND 0.0250 1 09/05/24 ND 0.0250 1 09/05/24 ND 0.0250 1 09/05/24 ND 0.0250 1 09/05/24 ND 0.0500 1 09/05/24 ND 0.0250 1 09/05/24 mg/kg mg/kg Analyst: BA ND 20.0 1 09/05/24 mg/kg mg/kg Analyst: KH 313 25.0 1 09/05/24 mg/kg mg/kg Analyst: KH 313 25.0 1 09/05/24 68.0 50.0 1 09/05/24 mg/kg mg/kg Analyst: WF	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 09/05/24 09/05/24 ND 0.0250 1 09/05/24 09/05/24 ND 0.0250 1 09/05/24 09/05/24 ND 0.0500 1 09/05/24 09/05/24 ND 0.0250 1 09/05/24 09/05/24 ND 0.0250 1 09/05/24 09/05/24 mg/kg mg/kg Analyst: BA ND 20.0 1 09/05/24 09/05/24 mg/kg mg/kg Analyst: BA ND 20.0 1 09/05/24 09/05/24 mg/kg mg/kg Analyst: KH 313 25.0 1 09/05/24 09/05/24 68.0 50.0 1 09/05/24 09/05/24 mg/kg mg/kg Analyst: WF 09/05/24

Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	24015-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	9/5/2024 4:13:03PM

WES24-21 0'-4'

E409013-02

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: BA		Batch: 2436038
Benzene	ND	0.0250	1	09/05/24	09/05/24	
Ethylbenzene	ND	0.0250	1	09/05/24	09/05/24	
Toluene	ND	0.0250	1	09/05/24	09/05/24	
o-Xylene	ND	0.0250	1	09/05/24	09/05/24	
p,m-Xylene	ND	0.0500	1	09/05/24	09/05/24	
Total Xylenes	ND	0.0250	1	09/05/24	09/05/24	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	09/05/24	09/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	Analyst: BA		Batch: 2436038
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/24	09/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.9 %	70-130	09/05/24	09/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: KH		Batch: 2436036
Diesel Range Organics (C10-C28)	ND	25.0	1	09/05/24	09/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/05/24	09/05/24	
Surrogate: n-Nonane		70.8 %	50-200	09/05/24	09/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: WF		Batch: 2436037
Chloride	52.2	20.0	1	09/05/24	09/05/24	



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	24015-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	9/5/2024 4:13:03PM

WES24-22 0'-5'

E409013-03

		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: BA		Batch: 2436038
Benzene	ND	0.0250	1	09/05/24	09/05/24	
Ethylbenzene	ND	0.0250	1	09/05/24	09/05/24	
Toluene	ND	0.0250	1	09/05/24	09/05/24	
o-Xylene	ND	0.0250	1	09/05/24	09/05/24	
p,m-Xylene	ND	0.0500	1	09/05/24	09/05/24	
Total Xylenes	ND	0.0250	1	09/05/24	09/05/24	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	09/05/24	09/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: BA		Batch: 2436038
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/24	09/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.2 %	70-130	09/05/24	09/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg mg/kg Analyst: KH			Batch: 2436036	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/05/24	09/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/05/24	09/05/24	
Surrogate: n-Nonane		70.7 %	50-200	09/05/24	09/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: WF		Batch: 2436037
Chloride	34.6	20.0	1	09/05/24	09/05/24	



Vertex Resource Services Inc.	Project Name:	Jackson Unit #003	
3101 Boyd Drive	Project Number:	24015-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	9/5/2024 4:13:03PM

WES24-23 0'-5'

E409013-04

		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: BA		Batch: 2436038
Benzene	ND	0.0250	1	09/05/24	09/05/24	
Ethylbenzene	ND	0.0250	1	09/05/24	09/05/24	
Toluene	ND	0.0250	1	09/05/24	09/05/24	
o-Xylene	ND	0.0250	1	09/05/24	09/05/24	
p,m-Xylene	ND	0.0500	1	09/05/24	09/05/24	
Total Xylenes	ND	0.0250	1	09/05/24	09/05/24	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	09/05/24	09/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: BA		Batch: 2436038
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/24	09/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.9 %	70-130	09/05/24	09/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg mg/kg Analyst: KH			Batch: 2436036	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/05/24	09/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/05/24	09/05/24	
Surrogate: n-Nonane		86.1 %	50-200	09/05/24	09/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: WF		Batch: 2436037
Chloride	129	20.0	1	09/05/24	09/05/24	



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive		Project Name: Project Number:		ackson Unit #0	003				Reported:
Carlsbad NM, 88220		Project Manager		hance Dixon					9/5/2024 4:13:03PM
		Anions	by EPA	300.0/9056 <i>A</i>	4				Analyst: WF
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2436037-BLK1)							Prepared: 0	9/05/24 A	nalyzed: 09/05/24
Chloride	ND	20.0							
LCS (2436037-BS1)							Prepared: 0	9/05/24 A	nalyzed: 09/05/24
Chloride	250	20.0	250		99.9	90-110			
Matrix Spike (2436037-MS1)				Source:	E409013-	04	Prepared: 0	9/05/24 A	nalyzed: 09/05/24
Chloride	386	20.0	250	129	103	80-120			
Matrix Spike Dup (2436037-MSD1)				Source:	E409013-	04	Prepared: 0	9/05/24 A	nalyzed: 09/05/24
Chloride	382	20.0	250	129	101	80-120	0.980	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 Unit #003	
3101 Boyd Drive	Project Number:	24015-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	09/05/24 16:13

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

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Page

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•	of 273

						Ch	ain of	Custoo	ly						Pag	e	1	of	1			
Client Information				Invoice Information				Lab Use Only						TAT				State				
Client: Vertex (bill direct to Tap Rock)				Company: Tap Rock (Bill Ramsay)		Lab									2D 3D Std			NM	co	UT	TX	
Project Name: Jackson unit #003								E409013 +				24015-000										
Project N	Manager: Chan	ce Dixon	7		City, State, Zip: Golden, CO, 80401				1015 11051 3001													
Project Number: 24E-03316					Phone: 720-772-5090 Email: Bramsay@Taprk.com			Analysis and Method										EPA Program				
City, State, Zip: Carlsbad, NM, 88220								100										SDWA	CWA	4	RCRA	
Phone: 5	75-725-5001				Miscellaneous: Direct bill to Tap Rock ATTN:		N:	115	115													
Email: cdixon@vertexresource.com				Bill Ramsay.			3y 8C	3y 8C	21	0	0.0	5	X	tals				Compliance		Y	or N	
				Sample In	formation			ROF	ROE	y 80	826	e 30	N .	000	Me				PWSID#	Rema	a alia	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample in	Sample ID	Field	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005	RCRA 8 Metals				-	Rema	ITKS	
8:00	09.04.2024	Soil	1		BES24-01 5'		1	X	X	X		X										
8:30	09.04.2024	Soil	1		WES24-21 0' - 4'		2	X	X	X		X										
11:00	09.04.2024	Soil	1		WES24-22 0' - 5'		3	X	X	X		X						7-1				
11:05	09.04.2024	Soil	1		WES24-23 0' -5'		4	X	X	X		X										
l, (field sampler), attest to the validity a	nd authenticity	of this sample.	I am aware that tampe	Bill Ramsay. Please email final reporting with or intentionally mislabeling the sample location.									reso	urce.c	om						
Sampled by: Relinquished	by: (Signature)	1 16	C to	Time	Received by: (Signature)	Date	1	Time	Z 10										the day they are			
/)//	_	9.0	4.24 16	45 Michelle Gonz	alea 9-	4-24	1	64	5			sampled o	received	packed in vi	e at an ave			es than 6 Consuterqu	ent days.		
Mic	relle Go	ngale	8 9.	4.24 18	30 Received by (Signature)	q.	4.24	(83	0			Receiv	ed on	ice:	9		Use C	nly			
Relinguished	by: (Signature)	50	Q.	4.24 Ly	Received by: (Signature) Received by: (Signature)	Pate Date	- 24	Time Time	00	0			<u>T1</u>		-		<u>T2</u>		_	<u>T3</u>		-

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.



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

Printed: 9/5/2024 8:01:28AM

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:	09/05/24 0	6:00		Work Order ID:	E409013
Phone:	(575) 748-0176	Date Logged In:	09/04/24 1	7:07		Logged In By:	Noe Soto
Email:	cdixon@vertex.ca	Due Date:		7:00 (0 day TAT)		088	
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 mat	ch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: Co	ourier		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes				
5. Were al	Il samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in					Comment	s/Resolution
C1- T	i.e, 15 minute hold time, are not included in this disucssion	n.		Г		Comment	<u> </u>
	Urn Around Time (TAT) COC indicate standard TAT, or Expedited TAT?		Yes				
	•		108				
Sample C	ample cooler received?		Yes				
	was cooler received in good condition?						
•	-		Yes				
	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling		Yes				
13. If no v	risible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
Sample C	<u>Container</u>						
14. Are ac	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 no	on-VOC samples collected in the correct containers?		Yes				
19. Is the a	appropriate volume/weight or number of sample contain	ers collected?	Yes				
Field Lab	<u>el</u>						
	field sample labels filled out with the minimum info	rmation:					
	ample ID?		Yes				
	ate/Time Collected? ollectors name?		Yes	_			
	reservation		Yes				
	the COC or field labels indicate the samples were pr	eserved?	No				
	imple(s) correctly preserved?	0501 704.	NA				
	filteration required and/or requested for dissolved m	etals?	No				
	se Sample Matrix		110				
	the sample have more than one phase, i.e., multiphas	e?	No				
	does the COC specify which phase(s) is to be analy		NA				
		zca:	NA				
	act Laboratory						
	amples required to get sent to a subcontract laborator	•	No				
29. Was a	subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab:	NA		
Client In	<u>istruction</u>						
							-

Sante Fe Main Office Phone: (505) 476-3441 General Information Phone: (505) 629-6116

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

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

QUESTIONS

Action 485182

QUESTIONS

Operator:	OGRID:
TAP ROCK OPERATING, LLC	372043
1700 Lincoln St	Action Number:
Denver, CO 80203	485182
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites					
Incident ID (n#)	nSAP0215477198				
Incident Name	NSAP0215477198 JACKSON UNIT #003 @ 30-025-33238				
Incident Type	Oil Release				
Incident Status	Reclamation Report Received				
Incident Well	[30-025-33238] JACKSON UNIT #003				

Location of Release Source					
Please answer all the questions in this group.					
Site Name	Jackson Unit #003				
Date Release Discovered	06/03/2002				
Surface Owner	State				

Incident Details						
Please answer all the questions in this group.						
Incident Type	Oil 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	Cause: Equipment Failure Crude Oil Released: 200 BBL Recovered: 0 BBL Lost: 200 BBL.					
Produced Water Released (bbls) Details	Not answered.					
Is the concentration of chloride in the produced water >10,000 mg/l	No					
Condensate Released (bbls) Details	Not answered.					
Natural Gas Vented (Mcf) Details	Not answered.					
Natural Gas Flared (Mcf) Details	Not answered.					
Other Released Details	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.					

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 485182

QUESTIONS (con	tinuea)
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QUESTI	IONS (continued)					
Operator: TAP ROCK OPERATING, LLC 1700 Lincoln St Denver, CO 80203	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.					
	ation 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 valuation in the follow-up C-141 submission.					
to report and/or file certain release notifications and perform corrective actions for releathe 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 ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t 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 Email: cdixon@vertex.ca Date: 09/03/2024					

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

Phone: (505) 629-6116 Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 3

Action 485182

QUESTIONS (continued)

Operator:	OGRID:
TAP ROCK OPERATING, LLC	372043
1700 Lincoln St	Action Number:
Denver, CO 80203	485182
	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)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination	on associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
Soil Contamination Sampling: (Provide the highest observable value for each, in m	nilligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	404	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	3262.8	
GRO+DRO (EPA SW-846 Method 8015M)	2931.8	
BTEX (EPA SW-846 Method 8021B or 8260B)	17.9	
Benzene (EPA SW-846 Method 8021B or 8260B)	1.2	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence	08/16/2024	
On what date will (or did) the final sampling or liner inspection occur	08/16/2024	
On what date will (or was) the remediation complete(d)	09/04/2024	
What is the estimated surface area (in square feet) that will be reclaimed	1100	
What is the estimated volume (in cubic yards) that will be reclaimed	360	
What is the estimated surface area (in square feet) that will be remediated 1100		
What is the estimated volume (in cubic yards) that will be remediated	360	
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 4

Action 485182

QUESTIONS (continued)

Operator:	OGRID:
TAP ROCK OPERATING, LLC	372043
1700 Lincoln St	Action Number:
Denver, CO 80203	485182
	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.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

er 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 I hereby agree and sign off to the above statement Email: cdixon@vertex.ca Date: 09/03/2024

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 5

Action 485182

QUESTIONS (continued)

Operator:	OGRID:
TAP ROCK OPERATING, LLC	372043
1700 Lincoln St	Action Number:
Denver, CO 80203	485182
	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

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

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr.

State of New Mexico

QUESTIONS, Page 6

Action 485182

QUESTIONS (continued)

Santa Fe. NM 87505

40-0110 (001111111111)	
Operator:	OGRID:
TAP ROCK OPERATING, LLC	372043
1700 Lincoln St	Action Number:
Denver, CO 80203	485182
	Action Type:
<u> </u>	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	379792
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/04/2024
What was the (estimated) number of samples that were to be gathered	4
What was the sampling surface area in square feet	800

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	1987
What was the total volume (cubic yards) remediated	331
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	1987
What was the total volume (in cubic yards) reclaimed	331
Summarize any additional remediation activities not included by answers (above)	Site was remediated to reclamation standards with the top four feet containing clean uncontaminated material. Everything below four feet met >100 DTGW standards.

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

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

I hereby agree and sign off to the above statement	Name: Chance Dixon Title: Project Manager Email: cdixon@vertex.ca Date: 09/20/2024
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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 7

Action 485182

QUESTIONS (continued)

Operator: TAP ROCK OPERATING, LLC	OGRID: 372043	
1700 Lincoln St Denver, CO 80203	Action Number: 485182	
	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	1987	
What was the total volume of replacement material (in cubic yards) for this site	331	
	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)	05/19/2025	
Summarize any additional reclamation activities not included by answers (above)	Reclamation of the release and entire location of the Jackson Unit #003 have been approved by the landowner (New Mexico State Land Office) and can be provided upon request. Conditions of approval in the Remediation Closure Approval on September 26, 2024 stated that a landowner-approved reclamation and revegetation report will be required before a revegetation report can be approved. The site will be monitored and a revegetation report along with the landowner-approved copy will be submitted to NMOCD when the site reaches 70% coverage and 50% life form ratio of pre-disturbance levels.	
	reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form t field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13	
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 release the OCD does not relieve the operator of liability should their operations have failed to a water, human health or the environment. In addition, OCD acceptance of a C-141 repor	uses 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 t does not relieve the operator of responsibility for compliance with any other federal, state, or itally restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed	
	Name: Chance Dixon	

Title: Project Manager

Email: cdixon@vertex.ca Date: 07/15/2025

I hereby agree and sign off to the above statement

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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 485182

QUESTIONS (continued)

Operator:	OGRID:
TAP ROCK OPERATING, LLC	372043
1700 Lincoln St	Action Number:
Denver, CO 80203	485182
	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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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Action 485182

CONDITIONS

Operator:	OGRID:
TAP ROCK OPERATING, LLC	372043
1700 Lincoln St	Action Number:
Denver, CO 80203	485182
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	8/12/2025