



**JACKSON UNIT #922H
CLOSURE REQUEST**

**API NO. 30-025-48743
Unit Letter N, Section 22, Township 24S, Range 33E
LEA COUNTY, NEW MEXICO**

**DATE OF RELEASE: 07/10/2023
INCIDENT NO. NAPP2319832978**

**07/15/2024
Prepared by:**



**2724 NW COUNTY ROAD
HOBBS, NM 88240**

July 15, 2024

New Mexico Energy, Mineral & Natural Resources
NMOCD District II
C/O Mike Bratcher, Robert Hamlet, Jennifer Naribu, & Jocelyn Harimon
811 S. First Street
Artesia, NM 88210

New Mexico State Land Office
Water Bureau Manager Faith Crosby
1001 South Atkinson Ave
Roswell, NM 88203

Tap Rock Operating, LLC
C/O Bill Ramsey
523 Park Point Drive
Golden, CO 80401

Subject: Closure Request for Tap Rock Operating – Jackson Unit #922H

API No. 30-025-48743

Incident No. NAPP2319832978

**Legal Unit Letter N, Section 22, Township 24 South, Range 33 East
Lea County, New Mexico**

To Whom it May Concern:

Tap Rock Operating, LLC retained Energy Staffing Services, LLC (ESS) to conduct a spill assessment for the Jackson Unit #922H (hereafter referred to as the “Jackson 922H”) for the produced water release that occurred on July 10th, 2023. On the same day, ESS provided the immediate notification of the release to the *New Mexico Oil Conservation Division (NMOCD), District II Office* and the *New Mexico State Land Office (SLO)*, via email at 1:04 PM. (Notification Attached). On behalf of Tap Rock, ESS also submitted the initial C141 Release Notification, along with the spill calculator used to determine the volume of the release (attached) on July 10th, 2023. The NMOCD accepted the C141 as record on July 17th, 2023, at 2:43 PM. The incident number assigned to the release is NAPP2319832978. (Notification of correspondence is attached).

This report provides a detailed description of the spill assessment, delineation, and remedial activities, which demonstrate that the closure criteria has been established in the 19.15.29.12 *New Mexico Administrative Code (NMAC: New Mexico Oil Conservation Division, 2018)* have been met and all applicable regulations have been followed. This document is intended to serve as the final report to obtain approval from the NMOCD for the closure of the above-mentioned release.

Incident Description

On July 10th, 2023, corrosion on a buried line flowline was found on the pad once produced water had surfaced. The line was immediately shut in when the fluid was discovered.

Upon discovery of the release, ESS was notified and dispatched out to location to conduct an environmental site assessment of the produced water release. It was determined, after measuring the area of impact, that approximately 55.36 barrels, with no fluid able to be recovered, of produced water had been released onto the pad of the Jackson 922H. Initial site photos and measuring of the impacted area were conducted. Please see the initial site photos attached.

Site Characterization

The release at the Jackson 922H occurred on State Land and is located at 32.198798 latitude and -103.563222 longitude, 24.9 miles northwest of Jal, New Mexico. The legal description of the site is Unit Letter N, Section 22, Township 24 South, and Range 33 East. This site is located in Lea County, New Mexico. Please see the site schematic attached.

The Jackson 922H consists of production lines and is near production facilities and well pads. The area of the release occurred on the well pad of the Jackson 922H. The elevation is 3,547 feet. The area is historically or has been primarily dominated by black grama, sideoats grama, blue grama, little bluestem, and other perennial forbs, shrubs, and grasses. Please find the attached Rangeland and Vegetation Classification information attached.

The *United States Department of Agriculture Natural Resources Conservation Services* indicates that the soil type in the area of the Jackson 922H consists of 83.3% Tonuco loamy find sand, 9.2% Simona-Upton association, and 7.5% Berino-Cacique association sands. (Soil Map Attached). In the area of the Jackson 922H, the *FEMA National Flood Hazard Layer* indicates that there is 0.2% chance of a flood hazard with a 1% chance of flood with an average depth of one foot or with drainage areas of less than one square mile. (See Map Attached).

There is "low potential" for Karst Geology to be present near the Jackson 922H site, according to the *United States Department of the Interior, Bureau of Land Management*. Please find the Karst Map attached herein.

There is no surface water located near or around the Jackson 922H. The site is not near a continuously flowing watercourse and or lakebed within ½ a mile from the release. No other critical or community features were found at the Jackson 922H site. (Attached Watercourse Map).

The nearest and most recent water well to site according to the *New Mexico Office of the State Engineer* is C04339 POD1, drilled in 2019 with a well depth of 47 feet and no groundwater data

available. This well is 1,103 yards from the site. The second well is C04339 POD8, drilled in 2019 with a well depth of 30 feet and no groundwater data available, 1,136 yards from the site. The third well is C04339 POD7, drilled in 2019 with a well depth of 43 feet and no groundwater data available. This well is located 1,226 yards from the site. The fourth well is C04708 POD1, drilled in 2023 with a well depth of 100 feet and no groundwater data available, 1,279 yards from the site. The fifth well is C04339 POD2, drilled in 2019 with no available well depth or groundwater data. This well is located 1,336 yards from the site. An extended groundwater search was conducted using the *OSE POD Location Mapping System* and it has been determined that no other wells were found within a ½ mile radius of the Jackson 922H. Please find the NMOSE, OSE POD, and groundwater map attached to this report.

Closure Criteria Determination

The Closure Criteria for Soils impacted by a Release is shown in the chart below. With no groundwater data available within a ½ mile radius from the release point, being on State Land and with having “low karst potential,” the site fell under <50’ to groundwater. This is only due to not having any recent or available water depths.

DGW	Constituent	Method	Limit
≤ 50'	Chloride	EPA 300.0 OR SM4500 CLB	600 mg/kg
	TPH (GRO + DRO+ MRO)	EPA SW-846 METHOD 8015M	100 mg/kg
	GRO + DRO	EPA SW-846 METHOD 8015M	50 mg/kg
	BTEX	EPA SW-846 METHOD 8021B OR 8260B	10 mg/kg
	Benzene	EPA SW-846 METHOD 8021B OR 8260B	10 mg/kg

Soil Remediation Action Levels

ESS has provided sufficient data that this release has impacted the soil at the Jackson 922H release site and that the protocol is consistent with the remediation/abatement goals and objectives set forth in the *NMOCD Closure Criteria for Soils Impacted by a Release, dated August 14, 2018*. This document provides direction for Tap Rock’s initial response actions, site assessment and sample procedures conducted by ESS Staff. We would like to present to you the following information concerning the delineation process for the release detailed herein.

Soil Sampling Procedures

Soil sampling for laboratory analysis was conducted according to the NMOCD – approved industry standards. Accepted NMOCD soil sampling procedures and laboratory analytical methods are as follows:

- Collect clean samples in airtight glass jars supplied by the laboratory to conduct the analysis.
- Each sample jar was labelled with site and sample information.

- Samples were kept in and stored in a cool place and packed on ice.
- Promptly ship samples to the lab for analysis following the chain of custody procedures.

The following lab analysis method was used for each bottom hole (vertical) and sidewall sample (horizontal) was submitted to Envirotech Analytical Laboratory:

Volatile Organics by EPA 8021B

- Benzene, Toluene, Ethylbenzene, p.m. Xylene, o-Xylene and Total Xylenes

Nonhalogenated Organics by EPA 8015D – GRO

- Gasoline Range Organics (C6-C10)

Nonhalogenated Organics by EPA 8015D – DRO/ORO

- Diesel Range Organics (C10-C28)
- Oil Range Organics (C28-C40)

Anions by EPA 300.0/9056A

- Chloride

Release Investigation Data

On July 10th, 2023, ESS arrived on site of the Jackson 922H, set delineation sample points, GPS'd each sample point, and began to obtain surface samples. Each surface sample was field tested, logged, and submitted to Envirotech Laboratory for confirmation.

On October 24th, 2023, an extension was requested to the NMOCD on behalf of Tap Rock and ESS for the delineation and remediation phases on the Jackson 922H. (Please see email attached).

On October 25th, 2023, the NMOCD approved the extension for 60-days until December 11th, 2023. (Please see email correspondence attached).

A total of 25 vertical sample points were placed along with 11 horizontal sample points. Each sample point was then sampled by use of hand auger and backhoe in 1' and 2' intervals. Bottom hole samples were then submitted to the lab for confirmation. Please see the delineation sample data below, with the lab data indicated in yellow. Attached to this report you will find the sample data, delineation sample map, and the lab analysis.

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
SP1	SURF	2400	H	37.4	385	58900	14900	73800	2870
	1	2160							
	2	240							
	3	240	L	ND	ND	94.4	ND	94.4	177
SP2	SURF	240	H	ND	ND	438	305	743	217
	1	160							

	2	160							
	3	160	L	ND	ND	76.9	ND	76.9	182
SP3	SURF	240	H	ND	ND	317	211	528	201
	1	160							
	2	160							
	3	160	L	ND	ND	ND	ND	ND	49.8
SP4	SURF	160	H	ND	ND	1960	664	2624	112
	1	640							
	2	240							
	3	160	L	ND	ND	91.6	ND	91.6	149
SP5	SURF	160	H	ND	ND	464	257	721	50.2
	1	80							
	2	80	L	ND	ND	28.2	ND	28.2	110
SP6	SURF	160	H	ND	ND	3490	1100	4590	42.3
	1	160							
	2	80	L	ND	ND	ND	ND	ND	73.3
SP7	SURF	160	H	ND	ND	1020	652	1672	80.3
	1	80							
	2	80	L	ND	ND	ND	ND	ND	70.5
SP8	SURF	240	H	ND	ND	627	412	1039	118
	1	80							
	2	80	L	ND	ND	ND	ND	ND	57.3
SP9	SURF	160	H	ND	ND	1080	490	1570	123
	1	80							
	2	80	L	ND	ND	ND	ND	ND	91.3
SP10	SURF	240	H	35.7	406	27900	4880	32780	67.4
	1	160							
	2	240							
	3	240							
	4	240							
	6	80	L	ND	ND	ND	ND	ND	ND
SP11	SURF	240	H	ND	ND	597	419	1016	70.2

	2	3280							
	4	>4000							
	6	>4000							
	8	>4000							
	10	>4000							
	12	3760							
	14	3440							
	16	1200							
	18	240							
	20	320							
	22	160							
	24	80							
	28	80	L	ND	ND	ND	ND	ND	ND
SP12	SURF	640	H	45.4	491	27500	6700	34200	1340
	2	240							
	4	240	L	ND	ND	ND	ND	ND	ND
SP13	SURF	320	H	0.354	ND	3310	905	4215	572
	2	240							
	4	240	L	ND	ND	ND	ND	ND	ND
SP14	SURF	1920	H	ND	ND	1160	420	1580	2510
	2	240							
	4	240	L	ND	ND	ND	ND	ND	ND
SP15	SURF	160	H	ND	ND	112	84.9	196.9	32.6
	2	80							
	4	80	L	ND	ND	ND	ND	ND	80.5
SP16	SURF	160	L	ND	ND	28.3	ND	28.3	ND
	2	80							
	4	80	L	ND	ND	ND	ND	ND	74.6
SP17	SURF	160	L	ND	ND	ND	ND	ND	21.8
	2	80							
	4	80	L	ND	ND	ND	ND	ND	78.8
SP18	SURF	1200	H	1.84	65	6170	1210	7380	1320
	2	80							
	4	80	L	ND	ND	ND	ND	ND	82.7

SP19	SURF	160	H	ND	ND	79.7	70.2	149.9	67.2
	2	80							
	4	80	L	ND	ND	ND	ND	ND	ND
SP20	SURF	160							
	2	1120							
	4	560							
	6	640							
	8	160							
	10	80	L	ND	ND	ND	ND	ND	ND
SP21	SURF	160	H	ND	ND	60.6	64.7	125.3	114
	2	80							
	4	80	L	ND	ND	ND	ND	ND	ND
SP22	SURF	160	L	ND	ND	ND	ND	ND	33.4
	2	960							
	4	240							
	6	560							
	8	1200							
	10	2400							
	12	2640							
	14	160							
	16	160	L	ND	ND	ND	ND	ND	85.1
SP23	SURF	160	L	ND	ND	ND	ND	ND	ND
	2	160							
	4	160							
	6	560							
	8	>4000							
	10	>4000							
	12	3440							
	14	160							
	16	80	L	ND	ND	ND	ND	ND	ND
SP24	SURF	160	L	ND	ND	ND	ND	ND	30.6
	2	80							
	4	80	L	ND	ND	ND	ND	ND	81.7
SP25	SURF	240	H	ND	ND	402	ND	402	ND

	2	80							
	4	80	L	ND	ND	ND	ND	ND	85.1
SW1	SURF	1200							
	1	160							
	2	80	L	ND	ND	ND	ND	ND	ND
SW2	SURF	880							
	1	240							
	2	80	L	ND	ND	ND	ND	ND	ND
SW3	SURF	720							
	1	240							
	2	160	L	ND	ND	ND	ND	ND	80.8
SW4	SURF	960							
	1	80							
	2	80	L	ND	ND	ND	ND	ND	ND
SW5	SURF	1120							
	1	720							
	2	160							
	3	160	L	ND	ND	ND	ND	ND	80.2
SW6	SURF	720							
	1	720							
	2	240							
	3	160	L	ND	ND	ND	ND	ND	83.7
SW7	SURF	1200							
	1	80							
	2	80	L	ND	ND	ND	ND	ND	ND
SW8	SURF	1280							
	1	240							
	2	160	L	ND	ND	ND	ND	ND	81.7
SW9	SURF	1440							
	1	160							
	2	160	L	ND	ND	ND	ND	ND	83.5

SW10	SURF	1600							
	1	800							
	2	240							
	3	160	L	ND	ND	ND	ND	ND	84.9
SW11	SURF	1680							
	1	80							
	2	80	L	ND	ND	ND	ND	ND	87.6

Please see the delineation photos attached herein.

On January 25th, 2024, ESS crews began to obtain 200 square foot composites from the excavation area. A total of 17 bottom hole composites were obtained, field tested, and submitted to the lab for confirmation. Please find the composite sample data below as well as attached to this report followed by the lab confirmation data.

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
COMP1	2	80	L	ND	ND	ND	ND	ND	87.3
COMP2	2	80	L	ND	ND	ND	ND	ND	83.3
COMP3	2	80	L	ND	ND	ND	ND	ND	ND
COMP4	2	80	L	ND	ND	ND	ND	ND	ND
COMP5	16	80	L	ND	ND	ND	ND	ND	ND
COMP6	2	80	L	ND	ND	ND	ND	ND	ND
COMP7	2	80	L	ND	ND	ND	ND	ND	ND
COMP8	2	80	L	ND	ND	ND	ND	ND	ND
COMP9	14	160	L	ND	ND	ND	ND	ND	ND
COMP10	2	80	L	ND	ND	ND	ND	ND	ND
SWCOMP1	2	80	L	ND	ND	ND	ND	ND	ND
SWCOMP2	2	80	L	ND	ND	ND	ND	ND	ND

SWCOMP3	2	80	L	ND	ND	ND	ND	ND	ND
SWCOMP4	2	80	L	ND	ND	ND	ND	ND	ND
SWCOMP5	12	80	L	ND	ND	ND	ND	ND	ND
SWCOMP6	2	80	L	ND	ND	ND	ND	ND	ND
SWCOMP7	2	80	L	ND	ND	ND	ND	ND	ND

The impacted area of the Jackson 922H measured 2,000 square feet. During the remediation phase, a total of 692 cubic yards of contaminated soil was excavated and hauled to the Owl Disposal. A total of 804 cubic yards of caliche and topsoil was pushed up and hauled from the NGL Bonnanno Pit to location for backfill. The backfill material was staged on the production pad of the Jackson 922H and then transferred to the impacted area where backfilling took place. The site was contoured and sloped back to its natural grade. Backfilling was completed on the Jackson 922H on February 8th, 2024.

Please find the remediation and final photos attached herein.

Closure Request

On behalf of Tap Rock, Energy Staffing Services, LLC requests that the incident (NAPP2319832978) be closed for the produced water leak that occurred on the pad of the Jackson Unit #922H. Tap Rock and ESS certify that all information provided and that is detailed in this report to be true and correct. Both Tap Rock and ESS have complied with all applicable closure requirements for the release that occurred on the Jackson Unit #922H.

After review of this report, if you have any questions or concerns regarding this closure request, please do not hesitate to contact the undersigned at (575)390-6397 or (575)393-9048. You may also email any issues to natalie@energystaffingllc.com.

Sincerely,



Director of Environmental and Regulatory Services

Energy Staffing Services, LLC.

2724 NW County Road

Hobbs, NM 88240

Cell: 575-390-6397

Office: 575-393-9048

Email: natalie@energystaffingllc.com



Attachments

- Spill Notification
- Initial C141 and Spill Calculator Form
- Impact Map
- Initial Site Photos
- Site Map
- Rangeland and Vegetation Classification
- Soil Map
- FEMA National Flood Hazard Layer Map
- Karst Geology Map
- Surface Water Map
- Groundwater Information
- Groundwater Map
- OSE POD Map
- Extension Request
- Delineation Sample Data (including inserts for Surface and Final Lab Analysis)
- Delineation Sample Map and GPS Log
- Lab Analysis for Delineation
- Delineation Site Photos
- Composite Notification
- Composite Sample Data
- Composite Sample Map and GPS Log
- Sidewall Composite Map and GPS Log
- Lab analysis for Remediation
- Excavation Site Photos
- Remediation and Final Photos
- Final C141

Natalie Gladden

From: Natalie Gladden
Sent: Monday, July 10, 2023 1:04 PM
To: ocdonline, emnrd, EMNRD; Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD; Velez, Nelson, EMNRD
Cc: 'Bill Ramsey'; Christian Combs
Subject: Tap Rock - Spill Notification - Jackson Unit #922H
Importance: High

All,

Please find this email as the initial spill notification for the above location and the site information is below:

Location: Jackson Unit #922H
API No.: 30-025-48743
Legals: N-22-24S-33E
County: Lea
DOR: 07/09/2023
Cause of release: Corrosion of buried flowline
BBLS Released: Approximately 55.36-bbbls of produced water.
BBLS Recovered: 0-bbbls. Leak was found when fluid surfaced and well was immediately shut in. All fluid remained on location.

A C141 and spill calculator will be uploaded immediately. If you have any questions or concerns, please let me know.

Sincerely,

Natalie Gladden

Director of Environmental and Regulatory Services

Energy Staffing Services, LLC.

2724 NW County Road

Hobbs, NM 88240

Cell: 575-390-6397

Office: 575-393-9048

Email: natalie@energystaffingllc.com

NAPP 2319832978



Natalie Gladden

From: OCDOnline@state.nm.us
Sent: Monday, July 17, 2023 2:43 PM
To: Natalie Gladden
Subject: The Oil Conservation Division (OCD) has approved the application, Application ID: 240971

To whom it may concern (c/o Natalie Gladden for TAP ROCK OPERATING, LLC),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2319832978, with the following conditions:

- **None**

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,
Shelly Wells
Environmental Specialist-A
505-469-7520
Shelly.Wells@emnrd.nm.gov

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

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party TAP ROCK OPERATING, LLC	OGRID 372043
Contact Name CHRISTIAN COMBS	Contact Telephone (720)360-4028
Contact email ccombs@taprk.com	Incident # <i>(assigned by OCD)</i>
Contact mailing address 523 Park Point Dr. #200	Golden CO, 80401

Location of Release Source

Latitude **32.198798** Longitude **-103.563222**
(NAD 83 in decimal degrees to 5 decimal places)

Site Name JACKSON UNIT #922H	Site Type PRODUCTION
Date Release Discovered 7/10/2023	API# <i>(if applicable)</i> 30-025-48743

Unit Letter	Section	Township	Range	County
N	22	24S	33E	LEA COUNTY

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private *(Name: _____)*

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 55.36	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

CORROSION ON THE BURIED FLOWLINE WAS FOUND ON THE PAD, ONCE THE FLUID HAD SURFACED. THE LINE WAS IMMEDIATLEY SHUT IN WHEN THE FLUID WAS FOUND TO HAVE SURFACED. NO FLUID WAS RECOVERED.

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?

☒ Yes ☐ No

If YES, for what reason(s) does the responsible party consider this a major release?
VOLUME OF RELEASE

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

EMAIL WAS SENT TO THE OCD, BRATCHER, HAMLET, NOBUI, HARIMON AT 1:04PM ON 7/10/23, BY NATALIE GLADDEN (ESS) BY EMAIL

Initial Response

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

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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

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.

Printed Name: Natalie Gladden Title: Director of Environmental and Regulatory

Signature:  Date: 7/10/23

email: natalie@energystaffingllc.com

Telephone: 575-390-6397

OCD Only

Received by: _____ Date: _____

Soil Type	Porosity	Length	Width	Depth (.083 per inch)	Cubic Feet	Estimated Barrels	Soil Type
Clay	0.15	10	10	0.083	8.3	0.22	Clay
Peat	0.40	10	10	0.083	8.3	0.59	Peat
Glacial Sediments	0.13	10	10	0.083	8.3	0.19	Glacial Sediments
Sandy Clay	0.12	10	10	0.083	8.3	0.18	Sandy Clay
Silt	0.16	10	10	0.083	8.3	0.24	Silt
Loess	0.25	10	10	0.083	8.3	0.37	Loess
Fine Sand	0.16	10	10	0.083	8.3	0.24	Fine Sand
Medium Sand	0.25	10	10	0.083	8.3	0.37	Medium Sand
Coarse Sand	0.26	10	10	0.083	8.3	0.38	Coarse Sand
Gravelly Sand	0.26	10	10	0.083	8.3	0.38	Gravelly Sand
Fine Gravel	0.26	10	10	0.083	8.3	0.38	Fine Gravel
Medium Gravel	0.20	62.79	49.46	0.5	1552.7967	55.36	Medium Gravel
Coarse Gravel	0.18	10	10	0.083	8.3	0.27	Coarse Gravel
Sandstone	0.25	10	10	0.083	8.3	0.37	Sandstone
Siltstone	0.18	10	10	0.083	8.3	0.27	Siltstone
Shale	0.05	10	10	0.083	8.3	0.07	Shale
Limestone	0.13	10	10	0.083	8.3	0.19	Limestone
Basalt	0.19	10	10	0.083	8.3	0.28	Basalt
Volcanic Tuff	0.20	10	10	0.083	8.3	0.30	Volcanic Tuff
Standing Liquids	X	10	10	0.083	8.3	1.48	Standing Liquids

1	2	3	4	5	6
0.083	0.166	0.250	0.332	0.415	0.500
7	8	9	10	11	12
0.581	0.664	0.750	0.830	0.913	1.000

NOTE: This is an **estimate** tool designed for quick field estimates of whether a C-141 should be required (i.e. a release is estimated to be greater than or less than 5 barrel volumes)

Choose the one prevailing ground type for estimating spill volumes at a single location.

Note that the depth should be measured in feet and tenths of feet (1 inch = .083)

Cubic Feet = L x W x D

Estimated Barrels = ((Cubic Feet x Porosity) / 5.61)

TAP ROCK
JACKSON UNIT #922H
IMPACT MAP

Legend

- JACKSON 922H 2000 SQ. FT.
- JACKSON UNIT #922H

JACKSON UNIT #922H



JACKSON UNIT #922H

INITIAL SITE PHOTOS





















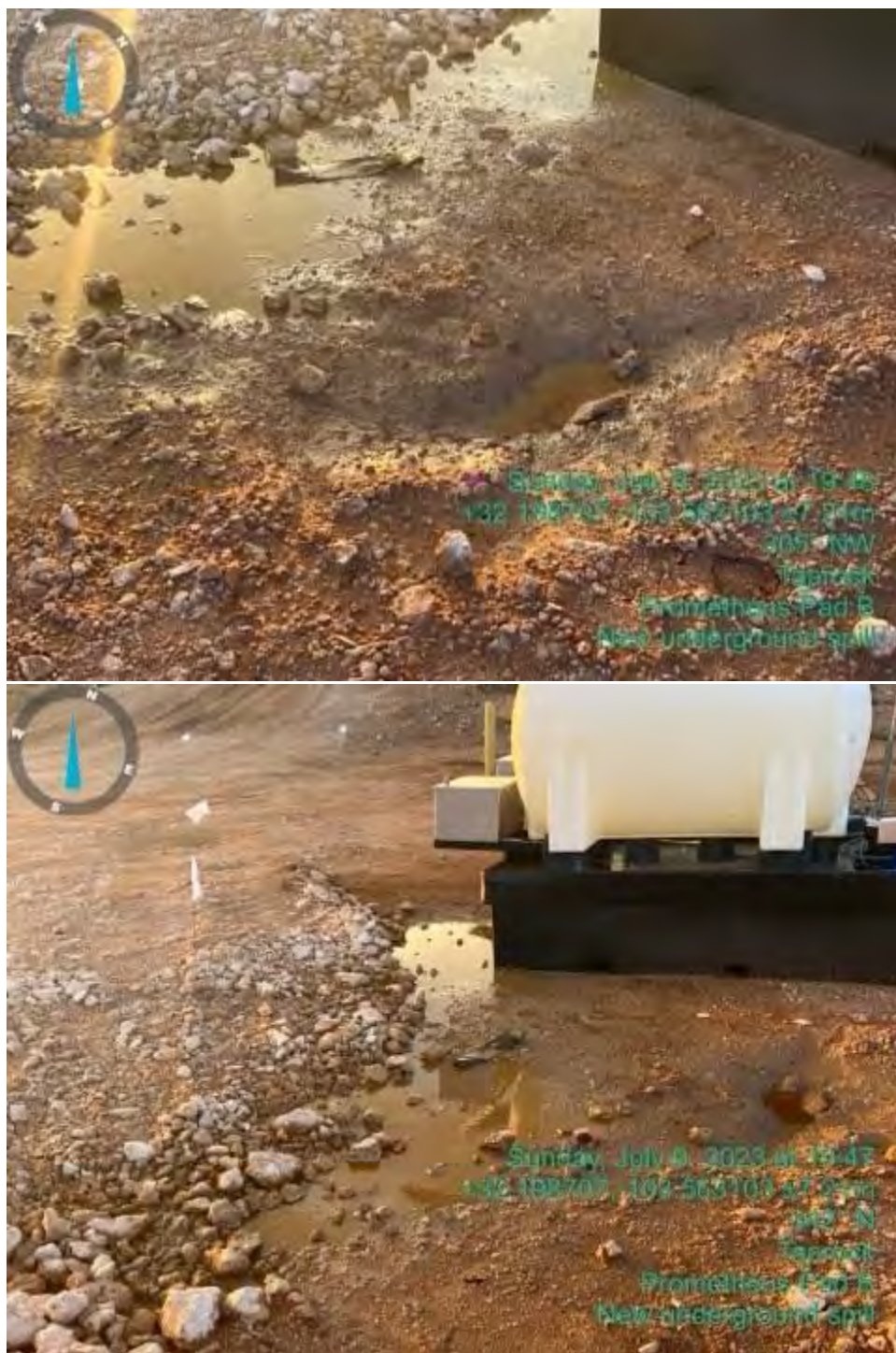




















TAP ROCK

JACKSON UNIT #922H
SITE MAP

Legend

 JACKSON UNIT #922H



JACKSON UNIT #922H 

2



1000 ft

Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition

In areas that have similar climate and topography, differences in the kind and amount of rangeland or forest understory vegetation are closely related to the kind of soil. Effective management is based on the relationship between the soils and vegetation and water.

This table shows, for each soil that supports vegetation, the ecological site, plant association, or habitat type; the total annual production of vegetation in favorable, normal, and unfavorable years; the characteristic vegetation; and the average percentage of each species. An explanation of the column headings in the table follows.

An *ecological site, plant association, or habitat type* is the product of all the environmental factors responsible for its development. It has characteristic soils that have developed over time throughout the soil development process; a characteristic hydrology, particularly infiltration and runoff that has developed over time; and a characteristic plant community (kind and amount of vegetation). The hydrology of the site is influenced by development of the soil and plant community. The vegetation, soils, and hydrology are all interrelated. Each is influenced by the others and influences the development of the others. The plant community on an ecological site, plant association, or habitat type is typified by an association of species that differs from that of other ecological sites, plant associations, or habitat types in the kind and/or proportion of species or in total production. Descriptions of ecological sites are provided in the Field Office Technical Guide, which is available in local offices of the Natural Resources Conservation Service (NRCS). Descriptions of plant associations or habitat types are available from local U.S. Forest Service offices.

Total dry-weight production is the amount of vegetation that can be expected to grow annually in a well managed area that is supporting the potential natural plant community. It includes all vegetation, whether or not it is palatable to grazing animals. It includes the current year's growth of leaves, twigs, and fruits of woody plants. It does not include the increase in stem diameter of trees and shrubs. It is expressed in pounds per acre of air-dry vegetation for favorable, normal, and unfavorable years. In a favorable year, the amount and distribution of precipitation and the temperatures make growing conditions substantially better than average. In a normal year, growing conditions are about average. In an unfavorable year, growing conditions are well below average, generally because of low available soil moisture. Yields are adjusted to a common percent of air-dry moisture content.

Characteristic vegetation (the grasses, forbs, shrubs, and understory trees that make up most of the potential natural plant community on each soil) is listed by common name. Under *rangeland composition and forest understory*, the expected percentage of the total annual production is given for each species making up the characteristic vegetation. The percentages are by dry weight for rangeland. Percentages for forest understory are by either dry weight or canopy cover. The amount that can be used as forage depends on the kinds of grazing animals and on the grazing season.

Range management requires knowledge of the kinds of soil and of the potential natural plant community. It also requires an evaluation of the present range similarity index and rangeland trend. Range similarity index is determined by comparing the present plant community with the potential natural plant community on a particular rangeland ecological site. The more closely the existing community resembles the potential community, the higher the range similarity index. Rangeland trend is defined as the direction of change in an existing plant community relative to the potential natural plant community. Further information about the range similarity index and rangeland trend is available in the "National Range and Pasture Handbook," which is available in local offices of NRCS or on the Internet.

The objective in range management is to control grazing so that the plants growing on a site are about the same in kind and amount as the potential natural plant community for that site. Such management generally results in the optimum production of vegetation, control of undesirable brush species, conservation of water, and control of erosion. Sometimes, however, an area with a range similarity index somewhat below the potential meets grazing needs, provides wildlife habitat, and protects soil and water resources.

Reference:

United States Department of Agriculture, Natural Resources Conservation Service, [National range and pasture handbook](#).

Report—Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition



**Natural Resources
Conservation Service**

Web Soil Survey
National Cooperative Soil Survey

5/31/2024
Page 3 of 5

Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition---Lea County, New Mexico

JACKSON UNIT #922H

Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition--Lea County, New Mexico								
Map unit symbol and soil name	Ecological Site, Plant Association, or Habitat Type	Total dry-weight production			Characteristic rangeland or forest understory vegetation	Composition		
		Favorable year	Normal year	Unfavorable year			Rangeland	Forest understory
		Lb/ac	Lb/ac	Lb/ac		Pct dry wt	Pct dry wt	
SR—Simona-Upton association								
Simona	Shallow Sandy (R070BD002NM)	900	550	200	black grama	25		
					sideoats grama	20		
					blue grama	10		
					other perennial forbs	10		
					dropseed	5		
					Hesperostipa neomexicana	5		
					other shrubs	5		
					other perennial grasses	5		
					threeawn	5		
					featherplume	3		
					yucca	2		
Upton	Shallow (R070BC025NM)	500	350	200	black grama	15		
					other shrubs	15		
					other annual forbs	15		
					creosote bush	10		
					gypsum grama	10		
					other perennial grasses	10		
					burrograss	5		
					bush muhly	5		
					other perennial forbs	5		
					slim tridens	5		
					sand dropseed	3		
					mesa dropseed	2		



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

5/31/2024
Page 4 of 5

Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition---Lea County, New Mexico

JACKSON UNIT #922H

Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition—Lea County, New Mexico								
Map unit symbol and soil name	Ecological Site, Plant Association, or Habitat Type	Total dry-weight production			Characteristic rangeland or forest understory vegetation	Composition		
		Favorable year	Normal year	Unfavorable year			Rangeland	Forest understory
		Lb/ac	Lb/ac	Lb/ac		Pct dry wt	Pct dry wt	
TF—Tonuco loamy fine sand, 0 to 3 percent slopes								
Tonuco	Shallow 12-17" PZ (R077DY048TX)	1,300	900	600	sideoats grama	25		
					black grama	15		
					little bluestem	15		
					other perennial forbs	10		
					blue grama	5		
					buffalograss	5		
					hairy grama	5		
					other shrubs	5		
					other perennial grasses	5		
					sand dropseed	5		
					New Mexico Feathergrass	3		
					yucca	2		

Data Source Information

Soil Survey Area: Lea County, New Mexico
 Survey Area Data: Version 20, Sep 6, 2023



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

5/31/2024
Page 5 of 5

Soil Map—Lea County, New Mexico
(JACKSON UNIT #922H)



Natural Resources
Conservation Service


Web Soil Survey
National Cooperative Soil Survey

5/31/2024
Page 1 of 3


Soil Map—Lea County, New Mexico
(JACKSON UNIT #922H)

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

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

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

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

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

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 20, Sep 6, 2023

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

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

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

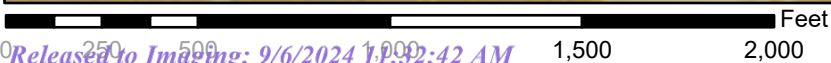
Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BH	Berino-Cacique association, hummocky	5.8	7.5%
SR	Simona-Upton association	7.2	9.2%
TF	Tonuco loamy fine sand, 0 to 3 percent slopes	64.6	83.3%
Totals for Area of Interest		77.5	100.0%

National Flood Hazard Layer FIRMette



103°34'6"W 32°12'11"N



1:6,000

103°33'29"W 32°11'40"N

Released to Imaging: 9/6/2024 1:32:42 AM

Basemap Imagery Source: USGS National Map 2023

Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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

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


The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/31/2024 at 11:37 AM 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.


TAP ROCK

JACKSON UNIT #922H
KARST MAP

Legend

 JACKSON UNIT #922H

2

JACKSON UNIT #922H 



TAP ROCK
JACKSON UNIT #922H
WATERCOURSE MAP

Legend

- JACKSON UNIT #922H





New Mexico Office of the State Engineer

Wells with Well Log Information

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(in feet)

POD Number	POD Sub-Code	basin	County	Source	q 6	q 4	q 1	Sec	Tws	Rng	X	Y	Distance	Start Date	Finish Date	Log File Date	Depth Well	Depth Water	Driller	License Number
C 04339 POD1	CUB	LE			1	3	3	23	24S	33E	636525	3563309	1103	08/01/2019	08/02/2019	08/22/2019	47		CURRIE, SHANEG..TY" ENER	1575
C 04339 POD8	CUB	LE			1	1	3	23	24S	33E	636519	3563681	1136	07/31/2019	07/31/2019	08/22/2019	30		CURRIE, SHANEG..TY" ENER	1575
C 04339 POD7	CUB	LE			4	4	2	23	24S	33E	636473	3564011	1226	07/31/2019	07/31/2019	08/22/2019	43		CURRIE, SHANEG..TY" ENER	1575
C 04708 POD1	CUB	LE			1	3	4	21	24S	33E	634149	3563262	1279	03/23/2023	03/27/2023	06/23/2023	100		JOE SKAGGS	1453
C 04339 POD2	CUB	LE			2	3	3	23	24S	33E	636789	3563315	1366	08/06/2019	08/06/2019	08/22/2019			CURRIE, SHANEG..TY" ENER	1575
C 03600 POD4	CUB	LE	Shallow		3	3	1	26	24S	33E	636617	3562293	1611	01/08/2013	01/08/2013	01/30/2013			RODNEY HAMMER	1186
C 04339 POD3	CUB	LE			2	4	3	23	24S	33E	637273	3563323	1850	08/06/2019	08/06/2019	08/22/2019	38		CURRIE, SHANEG..TY" ENER	1575
C 04339 POD4	CUB	LE			2	4	3	23	24S	33E	637273	3563323	1850	08/06/2019	08/07/2019	08/22/2019	47		CURRIE, SHANEG..TY" ENER	1575
C 03600 POD1	CUB	LE	Shallow		2	2	1	26	24S	33E	637275	3563023	1884	01/07/2013	01/07/2013	01/30/2013			RODNEY HAMMER	1186
C 03565 POD9	CUB	LE			4	4	15	24S	33E		636430	3565005	1914			04/02/2013				
C 03600 POD7	CUB	LE	Shallow		3	1	3	26	24S	33E	636726	3561968	1917	01/08/2013	01/09/2013	01/30/2013			RODNEY HAMMER	1186
C 04339 POD5	CUB	LE			2	3	4	23	24S	33E	637580	3563328	2156	08/06/2019	08/07/2019	08/22/2019	54		CURRIE, SHANEG..TY" ENER	1575
C 04339 POD6	CUB	LE			3	1	2	23	24S	33E	637340	3564386	2166	07/31/2019	07/31/2019	08/22/2019	60		CURRIE, SHANEG..TY" ENER	1575
C 03662 POD1	C	LE	Shallow		3	1	2	23	24S	33E	637342	3564428	2187	08/19/2013	08/20/2013	09/16/2013	550	110	JOHN SIRMAN	1654
C 03565 POD8	CUB	LE			4	1	15	24S	33E		635485	3565610	2234			04/02/2013				
C 04339 POD10	CUB	LE			4	1	4	23	24S	33E	637688	3563503	2267	08/01/2019	08/01/2019	08/22/2019	49		CURRIE, SHANEG..TY" ENER	1575

(A CLW##### in the
POD suffix indicates
the POD has been
replaced & no longer
serves a water right
file.)









(R=POD has
been replaced,
O=orphaned,
C=the file is
closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(in feet)

	POD Sub-			q q q							Log File				Depth	Depth		License		
POD Number	Code	basin	County	Source	6416	4	Sec	Tws	Rng	X	Y	Distance	Start Date	Finish Date	Date	Well	Water	Driller	Number	
C 04339 POD9	CUB	LE			3	4	2	23	24S	33E	637731	3563913		2368	08/01/2019	08/01/2019	08/22/2019	45	CURRIE, SHANEG..TY" ENER	1575
C 03600 POD6	CUB	LE	Shallow		3	1	4	26	24S	33E	637383	3562026		2378	01/09/2013	01/09/2013	01/30/2013		RODNEY HAMMER	1186
C 03601 POD6	CUB	LE	Shallow		1	4	4	23	24S	33E	637834	3563338		2410	01/05/2013	01/05/2013	01/30/2013		RODNEY HAMMER	1186
C 03601 POD2	CUB	LE	Shallow		3	2	4	23	24S	33E	637846	3563588		2431	01/06/2013	01/07/2013	01/30/2013		RODNEY HAMMER	1186
C 03601 POD7	CUB	LE	Shallow		4	4	4	23	24S	33E	637946	3563170		2530	01/05/2013	01/05/2013	01/30/2013		RODNEY HAMMER	1186
C 03601 POD5	CUB	LE	Shallow		2	4	4	23	24S	33E	637988	3563334		2564	01/06/2013	01/06/2013	01/30/2013		RODNEY HAMMER	1186
C 03600 POD3	CUB	LE	Shallow		3	4	2	26	24S	33E	637784	3562340		2577	01/16/2013	01/16/2013	01/30/2013		RODNEY HAMMER	1186
C 03603 POD3	CUB	LE	Shallow		4	1	1	35	24S	33E	636890	3561092		2713	01/13/2013	01/13/2013	01/30/2013		RODNEY HAMMER	1186
C 03601 POD3	CUB	LE	Shallow		1	3	3	24	24S	33E	638142	3563413		2718	01/06/2013	01/06/2013	01/30/2013		RODNEY HAMMER	1186
C 03601 POD1	CUB	LE	Shallow		4	4	2	23	24S	33E	638124	3563937		2757	12/21/2012	12/21/2012	01/08/2013		RODNEY HAMMER	1186
C 03600 POD5	CUB	LE	Shallow		3	2	4	26	24S	33E	637857	3562020		2785	01/09/2013	01/09/2013	01/30/2013		RODNEY HAMMER	1186
C 03603 POD5	CUB	LE	Shallow		3	3	2	35	24S	33E	636745	3560767		2924	01/12/2013	01/13/2013	01/30/2013		RODNEY HAMMER	1186
C 03603 POD2	CUB	LE	Shallow		3	1	2	35	24S	33E	637384	3561167		2953	01/11/2013	01/11/2013	01/30/2013		RODNEY HAMMER	1186
C 04824 POD1	CUB	LE			1	1	2	16	24S	33E	634113	3566203		3116	04/16/2024	04/16/2024	04/25/2024	105	JASON MALEY	1833
C 03603 POD1	CUB	LE	Shallow		3	2	2	35	24S	33E	637805	3561225		3208	01/10/2013	01/10/2013	01/30/2013		RODNEY HAMMER	1186
C 03603 POD6	CUB	LE	Shallow		3	1	3	35	24S	33E	636749	3560447		3214	01/13/2013	01/13/2013	01/30/2013		RODNEY HAMMER	1186
C 03601 POD4	CUB	LE	Shallow		3	3	3	24	24S	33E	638162	3561375		3391	01/03/2013	01/04/2013	01/30/2013		RODNEY HAMMER	1186
C 03917 POD1	C	LE	Shallow		4	1	3	13	24S	33E	638374	3565212		3474	03/01/2016	03/04/2016	03/11/2016	600	420 CASE KEY	1058
C 03600 POD2	CUB	LE	Shallow		4	4	1	25	24S	33E	638824	3562329		3558	01/07/2013	01/08/2013	01/30/2013		RODNEY HAMMER	1186
C 03602 POD2	CUB	LE	Shallow		4	4	1	25	24S	33E	638824	3562329		3558	01/15/2013	01/15/2013	01/30/2013		RODNEY HAMMER	1186






(A CLW##### in the
POD suffix indicates
the POD has been
replaced & no longer
serves a water right
file.)

(R=POD has
been replaced,
O=orphaned,
C=the file is
closed)

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

(NAD83 UTM in meters)

(in feet)

POD Number	POD Sub-Code		basin	County	Source	q q q				Tws	Rng	X	Y	Distance	Start Date	Finish Date	Log File		Depth Well	Depth Water	Driller	License Number
						6	4	1	6								Date	Date				
C 04741 POD1	CUB	LE				1	2	4	10	24S	33E	636076	3567039		3721	05/08/2023	05/11/2023	06/15/2023	55		JOHN W WHITE	1456
C 03603 POD4	CUB	LE	Shallow			3	2	4	35	24S	33E	637789	3560461		3753	01/14/2013	01/14/2013	01/30/2013			RODNEY HAMMER	1186
C 03666 POD1	C	LE	Shallow			2	3	4	13	24S	33E	639132	3565078		4080	10/18/2013	10/26/2013	11/14/2013	650	390	CASEY KEYS	1058
C 03565 POD3	CUB	LE				3	4		08	24S	33E	632763	3566546		4139	09/27/2012	10/21/2012	12/11/2012		1533	STEWART, PHILLIP D. (LD)	331
C 04768 POD1	CUB	LE				3	3	4	19	24S	33E	631048	3563110		4384	12/13/2023	12/13/2023	01/12/2024	55		JASON MALEY	1833

Record Count: 41

UTMNAD83 Radius Search (in meters):

Easting (X): 635423.91

Northing (Y): 3563376.2

Radius: 5000


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.



New Mexico Office of the State Engineer

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 Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04339 POD1	1	3	3	23	24S	33E	636525	3563309 

Driller License: 1575	Driller Company: CURRIE DRILLING COMPANY, INC	
Driller Name: CURRIE, SHANEG..TY"ENER		
Drill Start Date: 08/01/2019	Drill Finish Date: 08/02/2019	Plug Date: 08/02/2019
Log File Date: 08/22/2019	PCW Rcv Date:	Source:
Pump Type:	Pipe Discharge Size:	Estimated Yield:
Casing Size:	Depth Well: 47 feet	Depth Water:

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.

5/31/24 9:44 AM

Page 1 of 1


POD SUMMARY - C 04339 POD1



New Mexico Office of the State Engineer

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 Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04339 POD8	1	1	3	23	24S	33E	636519	3563681 

Driller License: 1575	Driller Company: CURRIE DRILLING COMPANY, INC		
Driller Name: CURRIE, SHANEG..TY"ENER			
Drill Start Date: 07/31/2019	Drill Finish Date: 07/31/2019	Plug Date: 07/31/2019	
Log File Date: 08/22/2019	PCW Rcv Date:	Source:	
Pump Type:	Pipe Discharge Size:	Estimated Yield:	
Casing Size:	Depth Well: 30 feet	Depth Water:	


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.



New Mexico Office of the State Engineer

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 Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04339 POD7	4	4	2	23	24S	33E	636473	3564011 

Driller License: 1575	Driller Company: CURRIE DRILLING COMPANY, INC		
Driller Name: CURRIE, SHANEG..TY"ENER			
Drill Start Date: 07/31/2019	Drill Finish Date: 07/31/2019	Plug Date: 07/31/2019	
Log File Date: 08/22/2019	PCW Rcv Date:	Source:	
Pump Type:	Pipe Discharge Size:	Estimated Yield:	
Casing Size:	Depth Well: 43 feet	Depth Water:	

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.

5/31/24 9:45 AM

Page 1 of 1


POD SUMMARY - C 04339 POD7



New Mexico Office of the State Engineer

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 Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04708 POD1	1	3	4	21	24S	33E	634149	3563262 

Driller License: 1453 **Driller Company:** HYDROTECH DRILLING

Driller Name: JOE SKAGGS

Drill Start Date: 03/23/2023

Drill Finish Date: 03/27/2023

Plug Date:

Log File Date: 06/23/2023

PCW Rcv Date:

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size: 3.00

Depth Well: 100 feet

Depth Water:

Casing Perforations:	Top	Bottom
	80	100

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

5/31/24 9:46 AM


Page 1 of 1

POD SUMMARY - C 04708 POD1



New Mexico Office of the State Engineer

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 Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04339 POD2	2	3	3	23	24S	33E	636789	3563315 

Driller License:	1575	Driller Company:	CURRIE DRILLING COMPANY, INC		
Driller Name:	CURRIE, SHANEG..TY"ENER				
Drill Start Date:	08/06/2019	Drill Finish Date:	08/06/2019	Plug Date:	08/06/2019
Log File Date:	08/22/2019	PCW Rcv Date:		Source:	
Pump Type:		Pipe Discharge Size:		Estimated Yield:	
Casing Size:		Depth Well:		Depth Water:	

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.

Legend

- C04339 POD1-1,103- NO DGW INFO
- C04339 POD2-1,366-NO DGW INFO
- C04339 POD7-1,226-NO DGW INFO
- C04339 POD8-1,136-NO DGW INFO
- C04708 POD1-1,279-NO DGW INFO
- JACKSON UNIT 922H



C04708 POD1-1,279-NO DGW INFO

JACKSON UNIT 922H

C04339 POD1-1,103- NO DGW INFO



C04339 POD2-1,366-NO DGW INFO



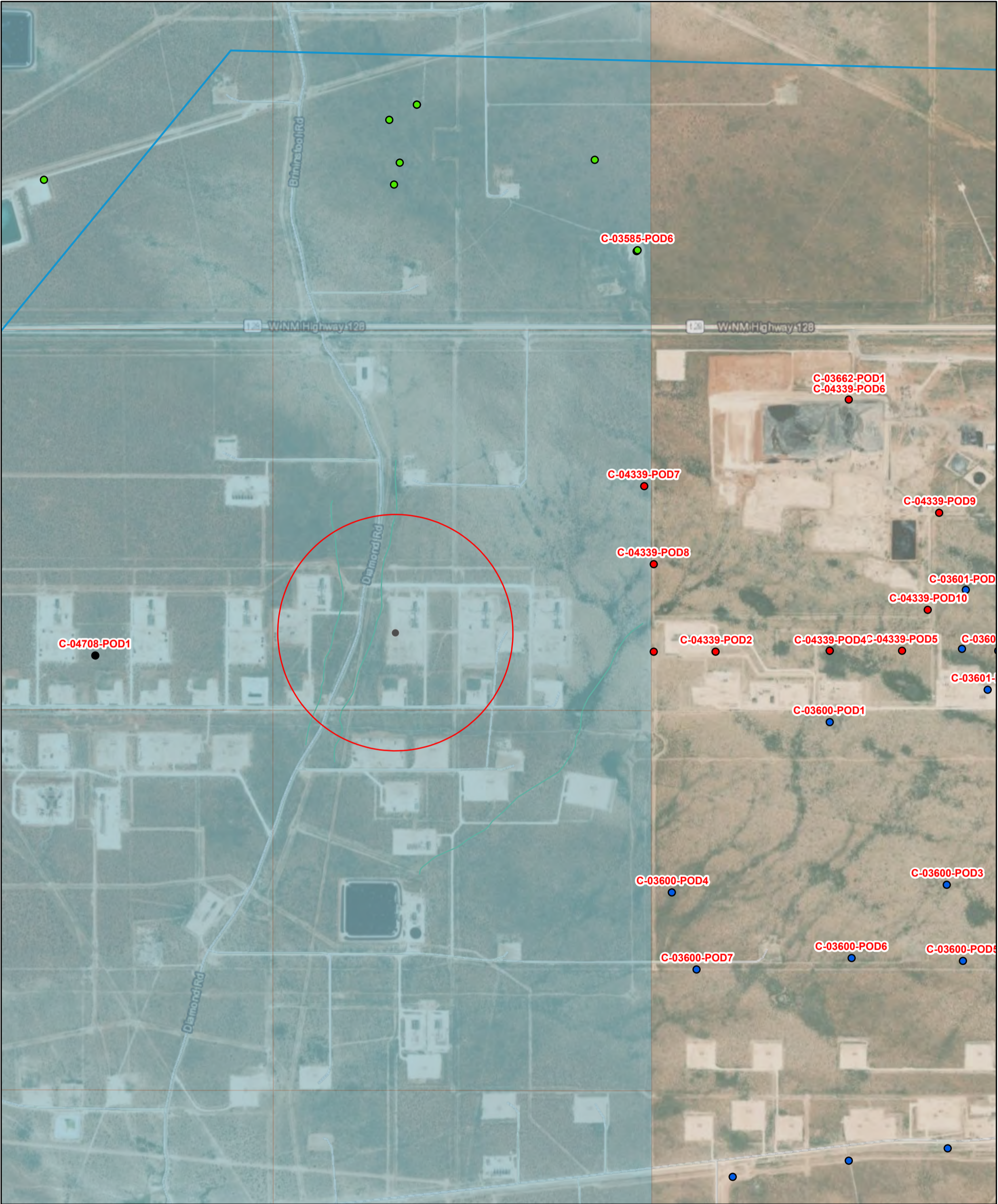
C04339 POD8-1,136-NO DGW INFO



C04339 POD7-1,226-NO DGW INFO

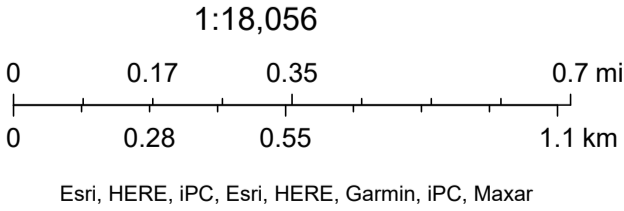


OSE POD Location Map



7/18/2024, 12:00:04 PM

- GIS WATERS PODs
- Active
 - Pending
 - Inactive
 - Plugged
 - OSE District Boundary
 - Water Right Regulations
 - Closure Area
 - Artesian Planning Area
 - New Mexico State Trust Lands
 - Both Estates
 - NHD Flowlines
 - Stream River



Natalie Gladden

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Wednesday, October 25, 2023 7:25 AM
To: Natalie Gladden; ocdonline, emnrd, EMNRD; Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD
Cc: 'Bill Ramsey'; Christian Combs
Subject: Re: [EXTERNAL] TAPROCK EXTENSION REQUEST JACKSON UNIT 922H

Good morning Natalie,

Tap Rock is out of compliance starting 10/11/2023. Please request time extension prior to it elapsing.

Your 60-day request is approved. Remediation Due date has been updated to 12/11/2023.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

Nelson Velez • Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>



From: Natalie Gladden <natalie@energystaffingllc.com>

Sent: Tuesday, October 24, 2023 3:19 PM

To: ocdonline, emnrd, EMNRD <emnrd.ocdonline@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

Cc: 'Bill Ramsey' <Bramsey@taprk.com>; Christian Combs <ccombs@taprk.com>

Subject: [EXTERNAL] TAPROCK EXTENSION REQUEST JACKSON UNIT 922H

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

On behalf of Taprock, ESS would like to request an extension on the Jackson Unit 922H, information found below:

The site has been partially delineated at this time.

Jackson Unit 922H

DOR 7/10/2023

API 30-025-48743

Incident No. NAPP2319832978

We would like to request a 60-day extension if possible.

Sincerely,

Natalie Gladden

Director of Environmental and Regulatory Services

Energy Staffing Services, LLC.

2724 NW County Road

Hobbs, NM 88240

Cell: 575-390-6397

Office: 575-393-9048

Email: natalie@energystaffingllc.com



Company Name: TAP ROCK

LOCATION: JACKSON 922H

Release Da

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Soil
SP1	SURF	2400	H	37.4	385	58900	14900	73800	2870	
	1	2160								
	2	240								
	3	240	L	ND	ND	94.4	ND	94.4	177	
SP2	SURF	240	H	ND	ND	438	305	743	217	
	1	160								
	2	160								
	3	160	L	ND	ND	76.9	ND	76.9	182	
SP3	SURF	240	H	ND	ND	317	211	528	201	
	1	160								
	2	160								
	3	160	L	ND	ND	ND	ND	ND	49.8	
SP4	SURF	160	H	ND	ND	1960	664	2624	112	
	1	640								
	2	240								
	3	160	L	ND	ND	91.6	ND	91.6	149	
SP5	SURF	160	H	ND	ND	464	257	721	50.2	
	1	80								
	2	80	L	ND	ND	28.2	ND	28.2	110	
SP6	SURF	160	H	ND	ND	3490	1100	4590	42.3	
	1	160								
	2	80	L	ND	ND	ND	ND	ND	73.3	
SP7	SURF	160	H	ND	ND	1020	652	1672	80.3	
	1	80								
	2	80	L	ND	ND	ND	ND	ND	70.5	

SP8	SURF	240	H	ND	ND	627	412	1039	118	
	1	80								
	2	80	L	ND	ND	ND	ND	ND	57.3	
SP9	SURF	160	H	ND	ND	1080	490	1570	123	
	1	80								
	2	80	L	ND	ND	ND	ND	ND	91.3	
SP10	SURF	240	H	35.7	406	27900	4880	32780	67.4	
	1	160								
	2	240								
	3	240								
	4	240								
	6	80	L	ND	ND	ND	ND	ND	ND	
SP11	SURF	240	H	ND	ND	597	419	1016	70.2	
	2	3280								
	4	>4000								
	6	>4000								
	8	>4000								
	10	>4000								
	12	3760								
	14	3440								
	16	1200								
	18	240								
	20	320								
	22	160								
	24	80								
	28	80	L	ND	ND	ND	ND	ND	ND	
SP12	SURF	640	H	45.4	491	27500	6700	34200	1340	
	2	240								
	4	240	L	ND	ND	ND	ND	ND	ND	

SP13	SURF	320	H	0.354	ND	3310	905	4215	572	
	2	240								
	4	240	L	ND	ND	ND	ND	ND	ND	
SP14	SURF	1920	H	ND	ND	1160	420	1580	2510	
	2	240								
	4	240	L	ND	ND	ND	ND	ND	ND	
SP15	SURF	160	H	ND	ND	112	84.9	196.9	32.6	
	2	80								
	4	80	L	ND	ND	ND	ND	ND	80.5	
SP16	SURF	160	L	ND	ND	28.3	ND	28.3	ND	
	2	80								
	4	80	L	ND	ND	ND	ND	ND	74.6	
SP17	SURF	160	L	ND	ND	ND	ND	ND	21.8	
	2	80								
	4	80	L	ND	ND	ND	ND	ND	78.8	
SP18	SURF	1200	H	1.84	65	6170	1210	7380	1320	
	2	80								
	4	80	L	ND	ND	ND	ND	ND	82.7	
SP19	SURF	160	H	ND	ND	79.7	70.2	149.9	67.2	
	2	80								
	4	80	L	ND	ND	ND	ND	ND	ND	
SP20	SURF	160								
	2	1120								
	4	560								
	6	640								
	8	160								

	10	80	L	ND	ND	ND	ND	ND	ND	
SP21	SURF	160	H	ND	ND	60.6	64.7	125.3	114	
	2	80								
	4	80	L	ND	ND	ND	ND	ND	ND	
SP22	SURF	160	L	ND	ND	ND	ND	ND	33.4	
	2	960								
	4	240								
	6	560								
	8	1200								
	10	2400								
	12	2640								
	14	160								
	16	160	L	ND	ND	ND	ND	ND	85.1	
SP23	SURF	160	L	ND	ND	ND	ND	ND	ND	
	2	160								
	4	160								
	6	560								
	8	>4000								
	10	>4000								
	12	3440								
	14	160								
	16	80	L	ND	ND	ND	ND	ND	ND	
SP24	SURF	160	L	ND	ND	ND	ND	ND	30.6	
	2	80								
	4	80	L	ND	ND	ND	ND	ND	81.7	
SP25	SURF	240	H	ND	ND	402	ND	402	ND	
	2	80								
	4	80	L	ND	ND	ND	ND	ND	85.1	

SW1	SURF	1200								
	1	160								
	2	80	L	ND	ND	ND	ND	ND	ND	
SW2	SURF	880								
	1	240								
	2	80	L	ND	ND	ND	ND	ND	ND	
SW3	SURF	720								
	1	240								
	2	160	L	ND	ND	ND	ND	ND	80.8	
SW4	SURF	960								
	1	80								
	2	80	L	ND	ND	ND	ND	ND	ND	
SW5	SURF	1120								
	1	720								
	2	160								
	3	160	L	ND	ND	ND	ND	ND	80.2	
SW6	SURF	720								
	1	720								
	2	240								
	3	160	L	ND	ND	ND	ND	ND	83.7	
SW7	SURF	1200								
	1	80								
	2	80	L	ND	ND	ND	ND	ND	ND	
SW8	SURF	1280								
	1	240								
	2	160	L	ND	ND	ND	ND	ND	81.7	

SW9	SURF	1440								
	1	160								
	2	160	L	ND	ND	ND	ND	ND	83.5	
SW10	SURF	1600								
	1	800								
	2	240								
	3	160	L	ND	ND	ND	ND	ND	84.9	
SW11	SURF	1680								
	1	80								
	2	80	L	ND	ND	ND	ND	ND	87.6	

TAP ROCK

JACKSON UNIT #922H
DELINEATION SITE MAP

Legend

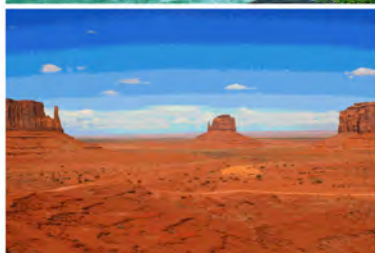
- HORIZONTAL SAMPLE POINTS
- JACKSON 922H- 2,000 SQ. FT.
- ◉ VERTICAL SAMPLE POINTS



COMPANY: TAP ROCK**LOCATION: JACKSON UNIT #922H**

POINT	LATITUDE	LONGITUDE
SP1	32.198661°	-103.563147°
SP2	32.198644°	-103.563132°
SP3	32.198646°	-103.563103°
SP4	32.198656°	-103.563077°
SP5	32.198667°	-103.563060°
SP6	32.198680°	-103.563068°
SP7	32.198671°	-103.563088°
SP8	32.198675°	-103.563122°
SP9	32.198681°	-103.563147°
SP10	32.198702°	-103.563144°
SP11	32.198714°	-103.563189°
SP12	32.198737°	-103.563147°
SP13	32.198753°	-103.563146°
SP14	32.198763°	-103.563196°
SP15	32.198796°	-103.563211°
SP16	32.198780°	-103.563229°
SP17	32.198797°	-103.563243°
SP18	32.198814°	-103.563239°
SP19	32.198787°	-103.563157°
SP20	32.198818°	-103.563129°
SP21	32.198809°	-103.563097°
SP22	32.198800°	-103.563134°
SP23	32.198821°	-103.563152°
SP24	32.198811°	-103.563160°
SP25	32.198822°	-103.563211°
SW1	32.198823°	-103.563237°
SW2	32.198828°	-103.563155°
SW3	32.198810°	-103.563087°
SW4	32.198678°	-103.563090°
SW5	32.198682°	-103.563052°
SW6	32.198654°	-103.563064°
SW7	32.198638°	-103.563102°
SW8	32.198635°	-103.563130°
SW9	32.198668°	-103.563177°
SW10	32.198726°	-103.563196°
SW11	32.198784°	-103.563253°

Report to:
Natalie Gladden



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Tap Rock

Project Name: JACKSON 922A

Work Order: E307077

Job Number: 20046-0001

Received: 7/18/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/19/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 7/19/23

Natalie Gladden
7 W. Compress Road
Artesia, NM 88210



Project Name: JACKSON 922A
Workorder: E307077
Date Received: 7/18/2023 7:06:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/18/2023 7:06:00AM, under the Project Name: JACKSON 922A.

The analytical test results summarized in this report with the Project Name: JACKSON 922A 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 regarding 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

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

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Cell: 505-320-4759
ljjarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Tap Rock	Project Name:	JACKSON 922A	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	07/19/23 16:07

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP1 - 3'	E307077-01A	Soil	07/14/23	07/18/23	Glass Jar, 2 oz.
SP2 - 3'	E307077-02A	Soil	07/14/23	07/18/23	Glass Jar, 2 oz.
SP3 - 3'	E307077-03A	Soil	07/14/23	07/18/23	Glass Jar, 2 oz.
SP4 - 3'	E307077-04A	Soil	07/14/23	07/18/23	Glass Jar, 2 oz.



Sample Data

Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: JACKSON 922A Project Number: 20046-0001 Project Manager: Natalie Gladden	Reported: 7/19/2023 4:07:07PM
---	--	---

SP1 - 3'

E307077-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2329015
Benzene	ND	0.0250	1	07/18/23	07/18/23	
Ethylbenzene	ND	0.0250	1	07/18/23	07/18/23	
Toluene	ND	0.0250	1	07/18/23	07/18/23	
o-Xylene	ND	0.0250	1	07/18/23	07/18/23	
p,m-Xylene	ND	0.0500	1	07/18/23	07/18/23	
Total Xylenes	ND	0.0250	1	07/18/23	07/18/23	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	07/18/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2329015
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/18/23	07/18/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.4 %	70-130	07/18/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329020
Diesel Range Organics (C10-C28)	94.4	25.0	1	07/18/23	07/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/18/23	07/19/23	
Surrogate: n-Nonane		101 %	50-200	07/18/23	07/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329024
Chloride	177	20.0	1	07/18/23	07/18/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: JACKSON 922A
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
7/19/2023 4:07:07PM

SP2 - 3'

E307077-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2329015
Benzene	ND	0.0250	1	07/18/23	07/18/23	
Ethylbenzene	ND	0.0250	1	07/18/23	07/18/23	
Toluene	ND	0.0250	1	07/18/23	07/18/23	
o-Xylene	ND	0.0250	1	07/18/23	07/18/23	
p,m-Xylene	ND	0.0500	1	07/18/23	07/18/23	
Total Xylenes	ND	0.0250	1	07/18/23	07/18/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.9 %	70-130		07/18/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2329015
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/18/23	07/18/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	81.9 %	70-130		07/18/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329020
Diesel Range Organics (C10-C28)	76.9	25.0	1	07/18/23	07/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/18/23	07/19/23	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		07/18/23	07/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329024
Chloride	182	20.0	1	07/18/23	07/18/23	



Sample Data

Tap Rock	Project Name:	JACKSON 922A	Reported: 7/19/2023 4:07:07PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP3 - 3'

E307077-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2329015	
Benzene	ND	0.0250	1	07/18/23	07/18/23	
Ethylbenzene	ND	0.0250	1	07/18/23	07/18/23	
Toluene	ND	0.0250	1	07/18/23	07/18/23	
o-Xylene	ND	0.0250	1	07/18/23	07/18/23	
p,m-Xylene	ND	0.0500	1	07/18/23	07/18/23	
Total Xylenes	ND	0.0250	1	07/18/23	07/18/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.3 %	70-130		07/18/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2329015	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/18/23	07/18/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	81.9 %	70-130		07/18/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2329020	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/18/23	07/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/18/23	07/19/23	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		07/18/23	07/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2329024	
Chloride	49.8	20.0	1	07/18/23	07/18/23	



Sample Data

Tap Rock	Project Name:	JACKSON 922A	Reported: 7/19/2023 4:07:07PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP4 - 3'

E307077-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2329015	
Benzene	ND	0.0250	1	07/18/23	07/18/23	
Ethylbenzene	ND	0.0250	1	07/18/23	07/18/23	
Toluene	ND	0.0250	1	07/18/23	07/18/23	
o-Xylene	ND	0.0250	1	07/18/23	07/18/23	
p,m-Xylene	ND	0.0500	1	07/18/23	07/18/23	
Total Xylenes	ND	0.0250	1	07/18/23	07/18/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	100 %	70-130		07/18/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2329015	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/18/23	07/18/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.0 %	70-130		07/18/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2329020	
Diesel Range Organics (C10-C28)	91.6	25.0	1	07/18/23	07/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/18/23	07/19/23	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		07/18/23	07/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2329024	
Chloride	149	20.0	1	07/18/23	07/18/23	



QC Summary Data

Tap Rock	Project Name:	JACKSON 922A	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	7/19/2023 4:07:07PM

Volatile Organics by EPA 8021B

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
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Blank (2329015-BLK1) Prepared: 07/18/23 Analyzed: 07/18/23

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	7.68		8.00		96.0	70-130			

LCS (2329015-BS1) Prepared: 07/18/23 Analyzed: 07/18/23

Benzene	4.79	0.0250	5.00		95.9	70-130			
Ethylbenzene	4.68	0.0250	5.00		93.7	70-130			
Toluene	4.82	0.0250	5.00		96.5	70-130			
o-Xylene	4.83	0.0250	5.00		96.6	70-130			
p,m-Xylene	9.72	0.0500	10.0		97.2	70-130			
Total Xylenes	14.6	0.0250	15.0		97.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.89		8.00		98.6	70-130			

Matrix Spike (2329015-MS1) Source: E307077-02 Prepared: 07/18/23 Analyzed: 07/18/23

Benzene	4.77	0.0250	5.00	ND	95.5	54-133			
Ethylbenzene	4.65	0.0250	5.00	ND	93.0	61-133			
Toluene	4.80	0.0250	5.00	ND	96.0	61-130			
o-Xylene	4.81	0.0250	5.00	ND	96.1	63-131			
p,m-Xylene	9.64	0.0500	10.0	ND	96.4	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	96.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.8	70-130			

Matrix Spike Dup (2329015-MSD1) Source: E307077-02 Prepared: 07/18/23 Analyzed: 07/18/23

Benzene	4.87	0.0250	5.00	ND	97.5	54-133	2.09	20	
Ethylbenzene	4.75	0.0250	5.00	ND	95.0	61-133	2.07	20	
Toluene	4.90	0.0250	5.00	ND	98.0	61-130	2.02	20	
o-Xylene	4.90	0.0250	5.00	ND	98.1	63-131	1.96	20	
p,m-Xylene	9.85	0.0500	10.0	ND	98.5	63-131	2.13	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.3	63-131	2.08	20	
Surrogate: 4-Bromochlorobenzene-PID	7.97		8.00		99.6	70-130			



QC Summary Data

Tap Rock	Project Name:	JACKSON 922A	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	7/19/2023 4:07:07PM

Nonhalogenated Organics by EPA 8015D - GRO

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
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Blank (2329015-BLK1) Prepared: 07/18/23 Analyzed: 07/18/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.62		8.00		82.8	70-130			

LCS (2329015-BS2) Prepared: 07/18/23 Analyzed: 07/18/23

Gasoline Range Organics (C6-C10)	43.3	20.0	50.0		86.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.70		8.00		83.8	70-130			

Matrix Spike (2329015-MS2) Source: E307077-02 Prepared: 07/18/23 Analyzed: 07/18/23

Gasoline Range Organics (C6-C10)	45.4	20.0	50.0	ND	90.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.66		8.00		83.2	70-130			

Matrix Spike Dup (2329015-MSD2) Source: E307077-02 Prepared: 07/18/23 Analyzed: 07/18/23

Gasoline Range Organics (C6-C10)	44.4	20.0	50.0	ND	88.9	70-130	2.26	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.68		8.00		83.5	70-130			



QC Summary Data

Tap Rock	Project Name:	JACKSON 922A	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	7/19/2023 4:07:07PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2329020-BLK1) Prepared: 07/18/23 Analyzed: 07/18/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.9		50.0		112	50-200			

LCS (2329020-BS1) Prepared: 07/18/23 Analyzed: 07/18/23

Diesel Range Organics (C10-C28)	264	25.0	250		105	38-132			
Surrogate: n-Nonane	52.0		50.0		104	50-200			

Matrix Spike (2329020-MS1) Source: E307079-03 Prepared: 07/18/23 Analyzed: 07/19/23

Diesel Range Organics (C10-C28)	335	25.0	250	118	86.8	38-132			
Surrogate: n-Nonane	47.5		50.0		94.9	50-200			

Matrix Spike Dup (2329020-MSD1) Source: E307079-03 Prepared: 07/18/23 Analyzed: 07/19/23

Diesel Range Organics (C10-C28)	408	25.0	250	118	116	38-132	19.7	20	
Surrogate: n-Nonane	53.8		50.0		108	50-200			



QC Summary Data

Tap Rock	Project Name:	JACKSON 922A	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	7/19/2023 4:07:07PM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2329024-BLK1)					Prepared: 07/18/23 Analyzed: 07/18/23				
Chloride	ND	20.0							
LCS (2329024-BS1)					Prepared: 07/18/23 Analyzed: 07/18/23				
Chloride	250	20.0	250		99.9	90-110			
Matrix Spike (2329024-MS1)					Source: E307077-01		Prepared: 07/18/23 Analyzed: 07/18/23		
Chloride	432	20.0	250	177	102	80-120			
Matrix Spike Dup (2329024-MSD1)					Source: E307077-01		Prepared: 07/18/23 Analyzed: 07/18/23		
Chloride	434	20.0	250	177	103	80-120	0.369	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

Tap Rock	Project Name:	JACKSON 922A	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	07/19/23 16:07

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Page 1 of 1

Client: <u>TAPRock</u>					Bill To					Lab Use Only					TAT				EPA Program						
Project: <u>JACKSON 922A</u>					Attention: <u>ESS</u>					Lab WO# <u>E 307077</u>					Job Number <u>20046-0001</u>				1D	2D	3D	Standard	CWA	SDWA	
Project Manager: <u>Natalie Gladden</u>					Address: <u>2724 NW COUNTY ROAD</u>					Analysis and Method															
Address:					City, State, Zip <u>HOBBS, NM 88240</u>																				
City, State, Zip					Phone: <u>575-393-9048</u>																				
Phone:					EMAIL TO: <u>Natalie@energystaffingllc.com</u>																				
Email:					<u>Dakoatah@energystaffingllc.com</u>																				
Report due by:																									
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	RGDOC NM	RGDOC TX	Remarks											
	7/14/23	S	1	SP1-3'	1							X													
				SP2-3'	2																				
				SP3-3'	3																				
	7/14/23	S	1	SP4-3'	4							X													

Additional Instructions:

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

Sampled by: M. Rivera R

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 6°C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
<u>[Signature]</u>	7/14/23		<u>Michelle Cough</u>	7-17-23	1430	Received on Ice: <u>Y/N</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1
<u>Michelle Cough</u>	7-17-23	1730	<u>Adrian M820</u>	7-17-23	1730	T2
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T3
<u>Adrian M820</u>	7-17-23	2300	<u>Jane Z...</u>	7/18/23	7:00p	AVG Temp °C <u>4.0</u>

Sample Matrix: S - Soil, S6 - Solid, Sg - Sludge, A - Aqueous, O - Other

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

Envirotech Analytical Laboratory

Printed: 7/18/2023 9:52:28AM

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:	Tap Rock	Date Received:	07/18/23 07:06	Work Order ID:	E307077
Phone:	(575) 390-6397	Date Logged In:	07/17/23 16:53	Logged In By:	Caitlin Mars
Email:	natalie@energystaffingllc.com	Due Date:	07/19/23 17:00 (1 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Time sampled not provided on COC per client.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the 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 sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC 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 non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

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

Date



envirotech Inc.

Report to:
Natalie Gladden



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Tap Rock

Project Name: Jackson 922H

Work Order: E308019

Job Number: 20046-0001

Received: 8/3/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/4/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 8/4/23

Natalie Gladden
7 W. Compress Road
Artesia, NM 88210



Project Name: Jackson 922H
Workorder: E308019
Date Received: 8/3/2023 6:30:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/3/2023 6:30:00AM, under the Project Name: Jackson 922H.

The analytical test results summarized in this report with the Project Name: Jackson 922H 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 regarding 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
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Tap Rock	Project Name:	Jackson 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	08/04/23 15:54

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP1 - Surf	E308019-01A	Soil	07/28/23	08/03/23	Glass Jar, 2 oz.
SP2 - Surf	E308019-02A	Soil	07/28/23	08/03/23	Glass Jar, 2 oz.
SP3 - Surf	E308019-03A	Soil	07/28/23	08/03/23	Glass Jar, 2 oz.
SP4 - Surf	E308019-04A	Soil	07/28/23	08/03/23	Glass Jar, 2 oz.
SP5 - Surf	E308019-05A	Soil	07/28/23	08/03/23	Glass Jar, 2 oz.
SP6 - Surf	E308019-06A	Soil	07/28/23	08/03/23	Glass Jar, 2 oz.
SP7 - Surf	E308019-07A	Soil	07/28/23	08/03/23	Glass Jar, 2 oz.
SP8 - Surf	E308019-08A	Soil	07/28/23	08/03/23	Glass Jar, 2 oz.
SP9 - Surf	E308019-09A	Soil	07/28/23	08/03/23	Glass Jar, 2 oz.
SP10 - Surf	E308019-10A	Soil	07/28/23	08/03/23	Glass Jar, 2 oz.
SP11 - Surf	E308019-11A	Soil	07/28/23	08/03/23	Glass Jar, 2 oz.
SP12 - Surf	E308019-12A	Soil	07/28/23	08/03/23	Glass Jar, 2 oz.
SP13 - Surf	E308019-13A	Soil	07/28/23	08/03/23	Glass Jar, 2 oz.
SP14 - Surf	E308019-14A	Soil	07/28/23	08/03/23	Glass Jar, 2 oz.
SP15 - Surf	E308019-15A	Soil	07/28/23	08/03/23	Glass Jar, 2 oz.
SP16 - Surf	E308019-16A	Soil	07/28/23	08/03/23	Glass Jar, 2 oz.
SP17 - Surf	E308019-17A	Soil	07/28/23	08/03/23	Glass Jar, 2 oz.
SP18 - Surf	E308019-18A	Soil	07/28/23	08/03/23	Glass Jar, 2 oz.
SP19 - Surf	E308019-19A	Soil	07/28/23	08/03/23	Glass Jar, 2 oz.
SP21 - Surf	E308019-20A	Soil	07/28/23	08/03/23	Glass Jar, 2 oz.
SP22 - Surf	E308019-21A	Soil	07/28/23	08/03/23	Glass Jar, 2 oz.
SP23 - Surf	E308019-22A	Soil	07/28/23	08/03/23	Glass Jar, 2 oz.
SP24 - Surf	E308019-23A	Soil	07/28/23	08/03/23	Glass Jar, 2 oz.
SP25 - Surf	E308019-24A	Soil	07/28/23	08/03/23	Glass Jar, 2 oz.



Sample Data

Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Jackson 922H Project Number: 20046-0001 Project Manager: Natalie Gladden	Reported: 8/4/2023 3:54:11PM
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SP1 - Surf

E308019-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Benzene	ND	0.125	5	08/03/23	08/03/23	
Ethylbenzene	2.73	0.125	5	08/03/23	08/03/23	
Toluene	4.82	0.125	5	08/03/23	08/03/23	
o-Xylene	8.59	0.125	5	08/03/23	08/03/23	
p,m-Xylene	28.8	0.250	5	08/03/23	08/03/23	
Total Xylenes	37.4	0.125	5	08/03/23	08/03/23	
Surrogate: 4-Bromochlorobenzene-PID	109 %	70-130		08/03/23	08/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Gasoline Range Organics (C6-C10)	385	100	5	08/03/23	08/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.2 %	70-130		08/03/23	08/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2331065	
Diesel Range Organics (C10-C28)	58900	1250	50	08/02/23	08/04/23	
Oil Range Organics (C28-C36)	14900	2500	50	08/02/23	08/04/23	
Surrogate: n-Nonane	544 %	50-200		08/02/23	08/04/23	SS
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2331073	
Chloride	2870	40.0	2	08/02/23	08/03/23	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 8/4/2023 3:54:11PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP2 - Surf
E308019-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Benzene	ND	0.0250	1	08/03/23	08/04/23	
Ethylbenzene	ND	0.0250	1	08/03/23	08/04/23	
Toluene	ND	0.0250	1	08/03/23	08/04/23	
o-Xylene	ND	0.0250	1	08/03/23	08/04/23	
p,m-Xylene	ND	0.0500	1	08/03/23	08/04/23	
Total Xylenes	ND	0.0250	1	08/03/23	08/04/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/23	08/04/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.2 %	70-130	08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2331065	
Diesel Range Organics (C10-C28)	438	25.0	1	08/02/23	08/04/23	
Oil Range Organics (C28-C36)	305	50.0	1	08/02/23	08/04/23	
<i>Surrogate: n-Nonane</i>						
		96.0 %	50-200	08/02/23	08/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2331073	
Chloride	217	20.0	1	08/02/23	08/03/23	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 8/4/2023 3:54:11PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP3 - Surf
E308019-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Benzene	ND	0.0250	1	08/03/23	08/04/23	
Ethylbenzene	ND	0.0250	1	08/03/23	08/04/23	
Toluene	ND	0.0250	1	08/03/23	08/04/23	
o-Xylene	ND	0.0250	1	08/03/23	08/04/23	
p,m-Xylene	ND	0.0500	1	08/03/23	08/04/23	
Total Xylenes	ND	0.0250	1	08/03/23	08/04/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.9 %	70-130		08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/23	08/04/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.3 %	70-130		08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2331065	
Diesel Range Organics (C10-C28)	317	25.0	1	08/02/23	08/03/23	
Oil Range Organics (C28-C36)	211	50.0	1	08/02/23	08/03/23	
<i>Surrogate: n-Nonane</i>						
	98.1 %	50-200		08/02/23	08/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2331073	
Chloride	201	20.0	1	08/02/23	08/03/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson 922H
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
8/4/2023 3:54:11PM

SP4 - Surf

E308019-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Benzene	ND	0.0250	1	08/03/23	08/04/23	
Ethylbenzene	ND	0.0250	1	08/03/23	08/04/23	
Toluene	ND	0.0250	1	08/03/23	08/04/23	
o-Xylene	ND	0.0250	1	08/03/23	08/04/23	
p,m-Xylene	ND	0.0500	1	08/03/23	08/04/23	
Total Xylenes	ND	0.0250	1	08/03/23	08/04/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/23	08/04/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.7 %	70-130	08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2331065	
Diesel Range Organics (C10-C28)	1960	25.0	1	08/02/23	08/03/23	
Oil Range Organics (C28-C36)	664	50.0	1	08/02/23	08/03/23	
<i>Surrogate: n-Nonane</i>						
		102 %	50-200	08/02/23	08/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2331073	
Chloride	112	20.0	1	08/02/23	08/03/23	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 8/4/2023 3:54:11PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP5 - Surf
E308019-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Benzene	ND	0.0250	1	08/03/23	08/04/23	
Ethylbenzene	ND	0.0250	1	08/03/23	08/04/23	
Toluene	ND	0.0250	1	08/03/23	08/04/23	
o-Xylene	ND	0.0250	1	08/03/23	08/04/23	
p,m-Xylene	ND	0.0500	1	08/03/23	08/04/23	
Total Xylenes	ND	0.0250	1	08/03/23	08/04/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/23	08/04/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.7 %	70-130	08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2331065	
Diesel Range Organics (C10-C28)	464	25.0	1	08/02/23	08/04/23	
Oil Range Organics (C28-C36)	257	50.0	1	08/02/23	08/04/23	
<i>Surrogate: n-Nonane</i>						
		108 %	50-200	08/02/23	08/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2331073	
Chloride	50.2	20.0	1	08/02/23	08/03/23	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 8/4/2023 3:54:11PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP6 - Surf
E308019-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: IY		Batch: 2331069
Benzene	ND	0.0250	1	08/03/23	08/04/23	
Ethylbenzene	ND	0.0250	1	08/03/23	08/04/23	
Toluene	ND	0.0250	1	08/03/23	08/04/23	
o-Xylene	ND	0.0250	1	08/03/23	08/04/23	
p,m-Xylene	ND	0.0500	1	08/03/23	08/04/23	
Total Xylenes	ND	0.0250	1	08/03/23	08/04/23	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: IY		Batch: 2331069
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/23	08/04/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.5 %	70-130	08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: KM		Batch: 2331065
Diesel Range Organics (C10-C28)	3490	25.0	1	08/02/23	08/03/23	
Oil Range Organics (C28-C36)	1100	50.0	1	08/02/23	08/03/23	
Surrogate: n-Nonane		102 %	50-200	08/02/23	08/03/23	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: BA		Batch: 2331073
Chloride	42.3	20.0	1	08/02/23	08/03/23	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 8/4/2023 3:54:11PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP7 - Surf
E308019-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Benzene	ND	0.0250	1	08/03/23	08/04/23	
Ethylbenzene	ND	0.0250	1	08/03/23	08/04/23	
Toluene	ND	0.0250	1	08/03/23	08/04/23	
o-Xylene	ND	0.0250	1	08/03/23	08/04/23	
p,m-Xylene	ND	0.0500	1	08/03/23	08/04/23	
Total Xylenes	ND	0.0250	1	08/03/23	08/04/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/23	08/04/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.9 %	70-130	08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2331065	
Diesel Range Organics (C10-C28)	1020	25.0	1	08/02/23	08/04/23	
Oil Range Organics (C28-C36)	652	50.0	1	08/02/23	08/04/23	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	08/02/23	08/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2331073	
Chloride	80.3	20.0	1	08/02/23	08/03/23	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 8/4/2023 3:54:11PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP8 - Surf
E308019-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Benzene	ND	0.0250	1	08/03/23	08/04/23	
Ethylbenzene	ND	0.0250	1	08/03/23	08/04/23	
Toluene	ND	0.0250	1	08/03/23	08/04/23	
o-Xylene	ND	0.0250	1	08/03/23	08/04/23	
p,m-Xylene	ND	0.0500	1	08/03/23	08/04/23	
Total Xylenes	ND	0.0250	1	08/03/23	08/04/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.7 %	70-130		08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/23	08/04/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.9 %	70-130		08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2331065	
Diesel Range Organics (C10-C28)	627	25.0	1	08/02/23	08/03/23	
Oil Range Organics (C28-C36)	412	50.0	1	08/02/23	08/03/23	
<i>Surrogate: n-Nonane</i>						
	99.4 %	50-200		08/02/23	08/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2331073	
Chloride	118	20.0	1	08/02/23	08/03/23	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 8/4/2023 3:54:11PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP9 - Surf
E308019-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Benzene	ND	0.0250	1	08/03/23	08/04/23	
Ethylbenzene	ND	0.0250	1	08/03/23	08/04/23	
Toluene	ND	0.0250	1	08/03/23	08/04/23	
o-Xylene	ND	0.0250	1	08/03/23	08/04/23	
p,m-Xylene	ND	0.0500	1	08/03/23	08/04/23	
Total Xylenes	ND	0.0250	1	08/03/23	08/04/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.9 %	70-130		08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/23	08/04/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.4 %	70-130		08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2331065	
Diesel Range Organics (C10-C28)	1080	25.0	1	08/02/23	08/03/23	
Oil Range Organics (C28-C36)	490	50.0	1	08/02/23	08/03/23	
<i>Surrogate: n-Nonane</i>						
	99.2 %	50-200		08/02/23	08/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2331073	
Chloride	123	20.0	1	08/02/23	08/04/23	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 8/4/2023 3:54:11PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP10 - Surf
E308019-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Benzene	ND	0.125	5	08/03/23	08/04/23	
Ethylbenzene	2.31	0.125	5	08/03/23	08/04/23	
Toluene	1.01	0.125	5	08/03/23	08/04/23	
o-Xylene	8.94	0.125	5	08/03/23	08/04/23	
p,m-Xylene	26.8	0.250	5	08/03/23	08/04/23	
Total Xylenes	35.7	0.125	5	08/03/23	08/04/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	113 %	70-130		08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Gasoline Range Organics (C6-C10)	406	100	5	08/03/23	08/04/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.7 %	70-130		08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2331065	
Diesel Range Organics (C10-C28)	27900	125	5	08/02/23	08/03/23	
Oil Range Organics (C28-C36)	4880	250	5	08/02/23	08/03/23	
<i>Surrogate: n-Nonane</i>						
	374 %	50-200		08/02/23	08/03/23	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2331073	
Chloride	67.4	20.0	1	08/02/23	08/04/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson 922H
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
8/4/2023 3:54:11PM

SP11 - Surf

E308019-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Benzene	ND	0.0250	1	08/03/23	08/04/23	
Ethylbenzene	ND	0.0250	1	08/03/23	08/04/23	
Toluene	ND	0.0250	1	08/03/23	08/04/23	
o-Xylene	ND	0.0250	1	08/03/23	08/04/23	
p,m-Xylene	ND	0.0500	1	08/03/23	08/04/23	
Total Xylenes	ND	0.0250	1	08/03/23	08/04/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/23	08/04/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.2 %	70-130	08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2331065	
Diesel Range Organics (C10-C28)	597	25.0	1	08/02/23	08/04/23	
Oil Range Organics (C28-C36)	419	50.0	1	08/02/23	08/04/23	
<i>Surrogate: n-Nonane</i>						
		118 %	50-200	08/02/23	08/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2331073	
Chloride	70.2	20.0	1	08/02/23	08/04/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson 922H
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
8/4/2023 3:54:11PM

SP12 - Surf

E308019-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Benzene	ND	0.125	5	08/03/23	08/04/23	
Ethylbenzene	3.10	0.125	5	08/03/23	08/04/23	
Toluene	2.42	0.125	5	08/03/23	08/04/23	
o-Xylene	11.0	0.125	5	08/03/23	08/04/23	
p,m-Xylene	34.4	0.250	5	08/03/23	08/04/23	
Total Xylenes	45.4	0.125	5	08/03/23	08/04/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		113 %	70-130	08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Gasoline Range Organics (C6-C10)	491	100	5	08/03/23	08/04/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.2 %	70-130	08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2331065	
Diesel Range Organics (C10-C28)	27500	1250	50	08/02/23	08/04/23	
Oil Range Organics (C28-C36)	6700	2500	50	08/02/23	08/04/23	
<i>Surrogate: n-Nonane</i>						
		523 %	50-200	08/02/23	08/04/23	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2331073	
Chloride	1340	20.0	1	08/02/23	08/04/23	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 8/4/2023 3:54:11PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP13 - Surf
E308019-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Benzene	ND	0.0250	1	08/03/23	08/04/23	
Ethylbenzene	ND	0.0250	1	08/03/23	08/04/23	
Toluene	ND	0.0250	1	08/03/23	08/04/23	
o-Xylene	0.0603	0.0250	1	08/03/23	08/04/23	
p,m-Xylene	0.294	0.0500	1	08/03/23	08/04/23	
Total Xylenes	0.354	0.0250	1	08/03/23	08/04/23	
Surrogate: 4-Bromochlorobenzene-PID		110 %	70-130	08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/23	08/04/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.3 %	70-130	08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2331065	
Diesel Range Organics (C10-C28)	3310	25.0	1	08/02/23	08/04/23	
Oil Range Organics (C28-C36)	905	50.0	1	08/02/23	08/04/23	
Surrogate: n-Nonane		110 %	50-200	08/02/23	08/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2331073	
Chloride	572	20.0	1	08/02/23	08/04/23	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 8/4/2023 3:54:11PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP14 - Surf
E308019-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Benzene	ND	0.0250	1	08/03/23	08/04/23	
Ethylbenzene	ND	0.0250	1	08/03/23	08/04/23	
Toluene	ND	0.0250	1	08/03/23	08/04/23	
o-Xylene	ND	0.0250	1	08/03/23	08/04/23	
p,m-Xylene	ND	0.0500	1	08/03/23	08/04/23	
Total Xylenes	ND	0.0250	1	08/03/23	08/04/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/23	08/04/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.7 %	70-130	08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2331065	
Diesel Range Organics (C10-C28)	1160	25.0	1	08/02/23	08/04/23	
Oil Range Organics (C28-C36)	420	50.0	1	08/02/23	08/04/23	
<i>Surrogate: n-Nonane</i>						
		119 %	50-200	08/02/23	08/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2331074	
Chloride	2510	40.0	2	08/02/23	08/03/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson 922H
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
8/4/2023 3:54:11PM

SP15 - Surf

E308019-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Benzene	ND	0.0250	1	08/03/23	08/04/23	
Ethylbenzene	ND	0.0250	1	08/03/23	08/04/23	
Toluene	ND	0.0250	1	08/03/23	08/04/23	
o-Xylene	ND	0.0250	1	08/03/23	08/04/23	
p,m-Xylene	ND	0.0500	1	08/03/23	08/04/23	
Total Xylenes	ND	0.0250	1	08/03/23	08/04/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/23	08/04/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.8 %	70-130	08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2331065	
Diesel Range Organics (C10-C28)	112	25.0	1	08/02/23	08/04/23	
Oil Range Organics (C28-C36)	84.9	50.0	1	08/02/23	08/04/23	
<i>Surrogate: n-Nonane</i>						
		116 %	50-200	08/02/23	08/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2331074	
Chloride	32.6	20.0	1	08/02/23	08/03/23	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 8/4/2023 3:54:11PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP16 - Surf
E308019-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Benzene	ND	0.0250	1	08/03/23	08/04/23	
Ethylbenzene	ND	0.0250	1	08/03/23	08/04/23	
Toluene	ND	0.0250	1	08/03/23	08/04/23	
o-Xylene	ND	0.0250	1	08/03/23	08/04/23	
p,m-Xylene	ND	0.0500	1	08/03/23	08/04/23	
Total Xylenes	ND	0.0250	1	08/03/23	08/04/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.9 %	70-130		08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/23	08/04/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.1 %	70-130		08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2331065	
Diesel Range Organics (C10-C28)	28.3	25.0	1	08/02/23	08/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/02/23	08/04/23	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		08/02/23	08/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2331074	
Chloride	ND	20.0	1	08/02/23	08/03/23	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 8/4/2023 3:54:11PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP17 - Surf
E308019-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Benzene	ND	0.0250	1	08/03/23	08/04/23	
Ethylbenzene	ND	0.0250	1	08/03/23	08/04/23	
Toluene	ND	0.0250	1	08/03/23	08/04/23	
o-Xylene	ND	0.0250	1	08/03/23	08/04/23	
p,m-Xylene	ND	0.0500	1	08/03/23	08/04/23	
Total Xylenes	ND	0.0250	1	08/03/23	08/04/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	100 %	70-130		08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/23	08/04/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.1 %	70-130		08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2331065	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/02/23	08/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/02/23	08/04/23	
<i>Surrogate: n-Nonane</i>						
	95.2 %	50-200		08/02/23	08/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2331074	
Chloride	21.8	20.0	1	08/02/23	08/03/23	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 8/4/2023 3:54:11PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP18 - Surf
E308019-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Benzene	ND	0.0500	2	08/03/23	08/04/23	
Ethylbenzene	1.30	0.0500	2	08/03/23	08/04/23	
Toluene	ND	0.0500	2	08/03/23	08/04/23	
o-Xylene	0.699	0.0500	2	08/03/23	08/04/23	
p,m-Xylene	1.14	0.100	2	08/03/23	08/04/23	
Total Xylenes	1.84	0.0500	2	08/03/23	08/04/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	113 %	70-130		08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Gasoline Range Organics (C6-C10)	65.0	40.0	2	08/03/23	08/04/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.3 %	70-130		08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2331065	
Diesel Range Organics (C10-C28)	6170	25.0	1	08/02/23	08/04/23	
Oil Range Organics (C28-C36)	1210	50.0	1	08/02/23	08/04/23	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		08/02/23	08/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2331074	
Chloride	1320	20.0	1	08/02/23	08/03/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson 922H
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
8/4/2023 3:54:11PM

SP19 - Surf

E308019-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Benzene	ND	0.0250	1	08/03/23	08/04/23	
Ethylbenzene	ND	0.0250	1	08/03/23	08/04/23	
Toluene	ND	0.0250	1	08/03/23	08/04/23	
o-Xylene	ND	0.0250	1	08/03/23	08/04/23	
p,m-Xylene	ND	0.0500	1	08/03/23	08/04/23	
Total Xylenes	ND	0.0250	1	08/03/23	08/04/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/23	08/04/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.7 %	70-130	08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2331065	
Diesel Range Organics (C10-C28)	79.7	25.0	1	08/02/23	08/04/23	
Oil Range Organics (C28-C36)	70.2	50.0	1	08/02/23	08/04/23	
<i>Surrogate: n-Nonane</i>						
		99.0 %	50-200	08/02/23	08/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2331074	
Chloride	67.2	20.0	1	08/02/23	08/03/23	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 8/4/2023 3:54:11PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP21 - Surf
E308019-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Benzene	ND	0.0250	1	08/03/23	08/04/23	
Ethylbenzene	ND	0.0250	1	08/03/23	08/04/23	
Toluene	ND	0.0250	1	08/03/23	08/04/23	
o-Xylene	ND	0.0250	1	08/03/23	08/04/23	
p,m-Xylene	ND	0.0500	1	08/03/23	08/04/23	
Total Xylenes	ND	0.0250	1	08/03/23	08/04/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331069	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/23	08/04/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.3 %	70-130	08/03/23	08/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2331065	
Diesel Range Organics (C10-C28)	60.6	25.0	1	08/02/23	08/04/23	
Oil Range Organics (C28-C36)	64.7	50.0	1	08/02/23	08/04/23	
<i>Surrogate: n-Nonane</i>						
		118 %	50-200	08/02/23	08/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2331074	
Chloride	114	20.0	1	08/02/23	08/04/23	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 8/4/2023 3:54:11PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP22 - Surf
E308019-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331070	
Benzene	ND	0.0250	1	08/03/23	08/03/23	
Ethylbenzene	ND	0.0250	1	08/03/23	08/03/23	
Toluene	ND	0.0250	1	08/03/23	08/03/23	
o-Xylene	ND	0.0250	1	08/03/23	08/03/23	
p,m-Xylene	ND	0.0500	1	08/03/23	08/03/23	
Total Xylenes	ND	0.0250	1	08/03/23	08/03/23	
Surrogate: Bromofluorobenzene	102 %	70-130		08/03/23	08/03/23	
Surrogate: 1,2-Dichloroethane-d4	95.8 %	70-130		08/03/23	08/03/23	
Surrogate: Toluene-d8	102 %	70-130		08/03/23	08/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331070	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/23	08/03/23	
Surrogate: Bromofluorobenzene	102 %	70-130		08/03/23	08/03/23	
Surrogate: 1,2-Dichloroethane-d4	95.8 %	70-130		08/03/23	08/03/23	
Surrogate: Toluene-d8	102 %	70-130		08/03/23	08/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2331066	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/02/23	08/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/02/23	08/04/23	
Surrogate: n-Nonane	96.6 %	50-200		08/02/23	08/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2331074	
Chloride	33.4	20.0	1	08/02/23	08/04/23	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 8/4/2023 3:54:11PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP23 - Surf
E308019-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331070	
Benzene	ND	0.0250	1	08/03/23	08/03/23	
Ethylbenzene	ND	0.0250	1	08/03/23	08/03/23	
Toluene	ND	0.0250	1	08/03/23	08/03/23	
o-Xylene	ND	0.0250	1	08/03/23	08/03/23	
p,m-Xylene	ND	0.0500	1	08/03/23	08/03/23	
Total Xylenes	ND	0.0250	1	08/03/23	08/03/23	
Surrogate: Bromofluorobenzene		102 %	70-130	08/03/23	08/03/23	
Surrogate: 1,2-Dichloroethane-d4		92.9 %	70-130	08/03/23	08/03/23	
Surrogate: Toluene-d8		103 %	70-130	08/03/23	08/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331070	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/23	08/03/23	
Surrogate: Bromofluorobenzene		102 %	70-130	08/03/23	08/03/23	
Surrogate: 1,2-Dichloroethane-d4		92.9 %	70-130	08/03/23	08/03/23	
Surrogate: Toluene-d8		103 %	70-130	08/03/23	08/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2331066	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/02/23	08/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/02/23	08/04/23	
Surrogate: n-Nonane		95.6 %	50-200	08/02/23	08/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2331074	
Chloride	ND	20.0	1	08/02/23	08/04/23	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 8/4/2023 3:54:11PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP24 - Surf
E308019-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331070	
Benzene	ND	0.0250	1	08/03/23	08/03/23	
Ethylbenzene	ND	0.0250	1	08/03/23	08/03/23	
Toluene	ND	0.0250	1	08/03/23	08/03/23	
o-Xylene	ND	0.0250	1	08/03/23	08/03/23	
p,m-Xylene	ND	0.0500	1	08/03/23	08/03/23	
Total Xylenes	ND	0.0250	1	08/03/23	08/03/23	
Surrogate: Bromofluorobenzene	102 %	70-130		08/03/23	08/03/23	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		08/03/23	08/03/23	
Surrogate: Toluene-d8	102 %	70-130		08/03/23	08/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331070	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/23	08/03/23	
Surrogate: Bromofluorobenzene	102 %	70-130		08/03/23	08/03/23	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		08/03/23	08/03/23	
Surrogate: Toluene-d8	102 %	70-130		08/03/23	08/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2331066	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/02/23	08/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/02/23	08/04/23	
Surrogate: n-Nonane	96.0 %	50-200		08/02/23	08/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2331074	
Chloride	30.6	20.0	1	08/02/23	08/04/23	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 8/4/2023 3:54:11PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP25 - Surf
E308019-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331070	
Benzene	ND	0.0250	1	08/03/23	08/03/23	
Ethylbenzene	ND	0.0250	1	08/03/23	08/03/23	
Toluene	ND	0.0250	1	08/03/23	08/03/23	
o-Xylene	ND	0.0250	1	08/03/23	08/03/23	
p,m-Xylene	ND	0.0500	1	08/03/23	08/03/23	
Total Xylenes	ND	0.0250	1	08/03/23	08/03/23	
Surrogate: Bromofluorobenzene		102 %	70-130	08/03/23	08/03/23	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	08/03/23	08/03/23	
Surrogate: Toluene-d8		103 %	70-130	08/03/23	08/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2331070	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/23	08/03/23	
Surrogate: Bromofluorobenzene		102 %	70-130	08/03/23	08/03/23	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	08/03/23	08/03/23	
Surrogate: Toluene-d8		103 %	70-130	08/03/23	08/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2331066	
Diesel Range Organics (C10-C28)	402	25.0	1	08/02/23	08/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/02/23	08/04/23	
Surrogate: n-Nonane		92.0 %	50-200	08/02/23	08/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2331074	
Chloride	ND	20.0	1	08/02/23	08/04/23	



QC Summary Data

Tap Rock	Project Name:	Jackson 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	8/4/2023 3:54:11PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2331070-BLK1) Prepared: 08/03/23 Analyzed: 08/03/23

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: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			

LCS (2331070-BS1) Prepared: 08/03/23 Analyzed: 08/03/23

Benzene	2.64	0.0250	2.50		105	70-130			
Ethylbenzene	2.56	0.0250	2.50		102	70-130			
Toluene	2.63	0.0250	2.50		105	70-130			
o-Xylene	2.73	0.0250	2.50		109	70-130			
p,m-Xylene	5.43	0.0500	5.00		109	70-130			
Total Xylenes	8.15	0.0250	7.50		109	70-130			
Surrogate: Bromofluorobenzene	0.512		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.2	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			

Matrix Spike (2331070-MS1) Source: E308019-23 Prepared: 08/03/23 Analyzed: 08/03/23

Benzene	2.58	0.0250	2.50	ND	103	48-131			
Ethylbenzene	2.55	0.0250	2.50	ND	102	45-135			
Toluene	2.61	0.0250	2.50	ND	105	48-130			
o-Xylene	2.75	0.0250	2.50	ND	110	43-135			
p,m-Xylene	5.39	0.0500	5.00	ND	108	43-135			
Total Xylenes	8.13	0.0250	7.50	ND	108	43-135			
Surrogate: Bromofluorobenzene	0.515		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.5	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

Matrix Spike Dup (2331070-MSD1) Source: E308019-23 Prepared: 08/03/23 Analyzed: 08/03/23

Benzene	2.59	0.0250	2.50	ND	103	48-131	0.193	23	
Ethylbenzene	2.57	0.0250	2.50	ND	103	45-135	0.703	27	
Toluene	2.61	0.0250	2.50	ND	104	48-130	0.0191	24	
o-Xylene	2.75	0.0250	2.50	ND	110	43-135	0.255	27	
p,m-Xylene	5.46	0.0500	5.00	ND	109	43-135	1.46	27	
Total Xylenes	8.22	0.0250	7.50	ND	110	43-135	1.05	27	
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	8/4/2023 3:54:11PM

Volatile Organics by EPA 8021B

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
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Blank (2331069-BLK1) Prepared: 08/03/23 Analyzed: 08/03/23

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	7.58		8.00		94.8	70-130			

LCS (2331069-BS1) Prepared: 08/03/23 Analyzed: 08/03/23

Benzene	5.04	0.0250	5.00		101	70-130			
Ethylbenzene	5.02	0.0250	5.00		100	70-130			
Toluene	5.14	0.0250	5.00		103	70-130			
o-Xylene	5.19	0.0250	5.00		104	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.7	70-130			

Matrix Spike (2331069-MS1) Source: E308019-10 Prepared: 08/03/23 Analyzed: 08/03/23

Benzene	26.6	0.125	25.0	ND	106	54-133			
Ethylbenzene	30.5	0.125	25.0	2.31	113	61-133			
Toluene	28.7	0.125	25.0	1.01	111	61-130			
o-Xylene	40.0	0.125	25.0	8.94	124	63-131			
p,m-Xylene	83.1	0.250	50.0	26.8	113	63-131			
Total Xylenes	123	0.125	75.0	35.7	117	63-131			
Surrogate: 4-Bromochlorobenzene-PID	44.8		40.0		112	70-130			

Matrix Spike Dup (2331069-MSD1) Source: E308019-10 Prepared: 08/03/23 Analyzed: 08/03/23

Benzene	23.8	0.125	25.0	ND	95.0	54-133	11.2	20	
Ethylbenzene	27.7	0.125	25.0	2.31	102	61-133	9.67	20	
Toluene	25.9	0.125	25.0	1.01	99.4	61-130	10.3	20	
o-Xylene	37.0	0.125	25.0	8.94	112	63-131	7.66	20	
p,m-Xylene	76.2	0.250	50.0	26.8	98.8	63-131	8.72	20	
Total Xylenes	113	0.125	75.0	35.7	103	63-131	8.37	20	
Surrogate: 4-Bromochlorobenzene-PID	44.8		40.0		112	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	8/4/2023 3:54:11PM

Nonhalogenated Organics by EPA 8015D - GRO

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
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Blank (2331069-BLK1) Prepared: 08/03/23 Analyzed: 08/03/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.67		8.00		83.4	70-130			

LCS (2331069-BS2) Prepared: 08/03/23 Analyzed: 08/03/23

Gasoline Range Organics (C6-C10)	51.1	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.88		8.00		86.0	70-130			

Matrix Spike (2331069-MS2) Source: E308019-10 Prepared: 08/03/23 Analyzed: 08/03/23

Gasoline Range Organics (C6-C10)	720	100	250	406	126	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	34.2		40.0		85.5	70-130			

Matrix Spike Dup (2331069-MSD2) Source: E308019-10 Prepared: 08/03/23 Analyzed: 08/03/23

Gasoline Range Organics (C6-C10)	767	100	250	406	145	70-130	6.30	20	M5
Surrogate: 1-Chloro-4-fluorobenzene-FID	35.0		40.0		87.5	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	8/4/2023 3:54:11PM

Nonhalogenated Organics by EPA 8015D - GRO

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
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Blank (2331070-BLK1) Prepared: 08/03/23 Analyzed: 08/03/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			

LCS (2331070-BS2) Prepared: 08/03/23 Analyzed: 08/03/23

Gasoline Range Organics (C6-C10)	61.6	20.0	50.0		123	70-130			
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.3	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

Matrix Spike (2331070-MS2) Source: E308019-23 Prepared: 08/03/23 Analyzed: 08/03/23

Gasoline Range Organics (C6-C10)	61.5	20.0	50.0	ND	123	70-130			
Surrogate: Bromofluorobenzene	0.514		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.460		0.500		92.0	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

Matrix Spike Dup (2331070-MSD2) Source: E308019-23 Prepared: 08/03/23 Analyzed: 08/03/23

Gasoline Range Organics (C6-C10)	62.0	20.0	50.0	ND	124	70-130	0.829	20	
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.3	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	8/4/2023 3:54:11PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2331065-BLK1)					Prepared: 08/02/23 Analyzed: 08/03/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.2		50.0		102	50-200			

LCS (2331065-BS1)					Prepared: 08/02/23 Analyzed: 08/03/23				
Diesel Range Organics (C10-C28)	267	25.0	250		107	38-132			
Surrogate: n-Nonane	47.7		50.0		95.4	50-200			

Matrix Spike (2331065-MS1)					Source: E308019-12		Prepared: 08/02/23 Analyzed: 08/04/23		
Diesel Range Organics (C10-C28)	25000	1250	250	27500	NR	38-132		M4	
Surrogate: n-Nonane	231		50.0		463	50-200			S5

Matrix Spike Dup (2331065-MSD1)					Source: E308019-12		Prepared: 08/02/23 Analyzed: 08/04/23		
Diesel Range Organics (C10-C28)	23600	1250	250	27500	NR	38-132	5.63	20	M4
Surrogate: n-Nonane	225		50.0		450	50-200			S5



QC Summary Data

Tap Rock	Project Name:	Jackson 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	8/4/2023 3:54:11PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2331066-BLK1)					Prepared: 08/02/23 Analyzed: 08/03/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.7		50.0		101	50-200			

LCS (2331066-BS1)					Prepared: 08/02/23 Analyzed: 08/04/23				
Diesel Range Organics (C10-C28)	263	25.0	250		105	38-132			
Surrogate: n-Nonane	51.2		50.0		102	50-200			

Matrix Spike (2331066-MS1)					Source: E308017-25		Prepared: 08/02/23 Analyzed: 08/04/23		
Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	38-132			
Surrogate: n-Nonane	49.1		50.0		98.2	50-200			

Matrix Spike Dup (2331066-MSD1)					Source: E308017-25		Prepared: 08/02/23 Analyzed: 08/04/23		
Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	38-132	1.74	20	
Surrogate: n-Nonane	48.9		50.0		97.9	50-200			



QC Summary Data

Tap Rock	Project Name:	Jackson 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	8/4/2023 3:54:11PM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2331073-BLK1)					Prepared: 08/02/23 Analyzed: 08/03/23				
Chloride	ND	20.0							
LCS (2331073-BS1)					Prepared: 08/02/23 Analyzed: 08/03/23				
Chloride	270	20.0	250		108	90-110			
Matrix Spike (2331073-MS1)					Source: E308017-21		Prepared: 08/02/23 Analyzed: 08/03/23		
Chloride	285	20.0	250	ND	114	80-120			
Matrix Spike Dup (2331073-MSD1)					Source: E308017-21		Prepared: 08/02/23 Analyzed: 08/03/23		
Chloride	283	20.0	250	ND	113	80-120	0.804	20	



QC Summary Data

Tap Rock	Project Name:	Jackson 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	8/4/2023 3:54:11PM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2331074-BLK1)					Prepared: 08/02/23 Analyzed: 08/03/23				
Chloride	ND	20.0							
LCS (2331074-BS1)					Prepared: 08/02/23 Analyzed: 08/03/23				
Chloride	271	20.0	250		109	90-110			
Matrix Spike (2331074-MS1)					Source: E308019-14		Prepared: 08/02/23 Analyzed: 08/03/23		
Chloride	2840	40.0	250	2510	131	80-120			M2
Matrix Spike Dup (2331074-MSD1)					Source: E308019-14		Prepared: 08/02/23 Analyzed: 08/03/23		
Chloride	2810	40.0	250	2510	116	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

Tap Rock	Project Name:	Jackson 922H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	08/04/23 15:54

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- 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.
- S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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





Project Information

Chain of Custody

Page 2 of 3

Client: XXXXX TAPROCK		Bill To		Lab Use Only				TAT			EPA Program		
Project: JACKSON 922 H		Attention:		Lab WO# E308019		Job Number 200460001		1D	2D	3D	Standard	CWA	SDWA
Project Manager: N. Gladden		Address:		Analysis and Method									
Address:		City, State, Zip		DRO/ORO by 8015									
City, State, Zip		Phone:		GRO/DRO by 8015									
Email:		Email:		BTX by 8021									
Report due by:				VOC by 8260									
				Metals 6010									
				Chloride 300.0									
				BGDOC NM									
				BGDOC TX									
				State									
				NM CO UT AZ TX									
				Remarks									

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	State	Remarks
	7/28	S	1	SP11 - Surf	11										
				SP12 - Surf	12										
				SP13 - Surf	13										
				SP14 - Surf	14										
				SP15 - Surf	15										
				SP16 - Surf	16										
				SP17 - Surf	17										
				SP18 - Surf	18										
				SP19 - Surf	19										
				SP20 - Surf	20										

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Juan Solis

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 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
<u>N. Gladden</u>	<u>7/28/23</u>		<u>Michelle Gonzalez</u>	<u>8-2-23</u>	<u>1330</u>	
<u>Michelle Gonzalez</u>	<u>8-2-23</u>	<u>1715</u>	<u>Michelle Gonzalez</u>	<u>8-2-23</u>	<u>1730</u>	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<u>Michelle Gonzalez</u>	<u>8-2-23</u>	<u>2330</u>	<u>Michelle Gonzalez</u>	<u>8-3-23</u>	<u>6:30</u>	

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.

[illegible]

Additional Instructions:

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

Sampled by: Shan Solis

Sampled by: Thomas Jones

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 6 °C on subsequent days.

Relinquished by: (Signature) <i>Michelle Bengale</i>	Date 7/28/23	Time	Received by: (Signature) <i>Michelle Bengale</i>	Date 8-2-23	Time 1330	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <i>Michelle Bengale</i>	Date 8-2-23	Time 1715	Received by: (Signature) <i>Michelle Bengale</i>	Date 8-2-23	Time 1730	
Relinquished by: (Signature) <i>Michelle Bengale</i>	Date 8-2-23	Time 2330	Received by: (Signature) <i>Michelle Bengale</i>	Date 8-3-23	Time 6:30	
Sample Matrix: S - Soil, sd - Solid, sg - Sludge, A - Aqueous, O - Other						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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.

Chain of Custody



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Project Information

Chain of Custody

Page 2 of 3

Client: XXXXX TAPROCK		Bill To		Lab Use Only		TAT			EPA Program				
Project: JACKSON 922 H		Attention:		Lab WO# E308019		Job Number 200460001		1D	2D	3D	Standard	CWA	SDWA
Project Manager: N. Gladden		Address:		Analysis and Method								RCRA	
Address:		City, State, Zip										State	
City, State, Zip		Phone:										NM CO UT AZ TX	
Phone:		Email:											
Email:													
Report due by:													

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
	7/28	S	1	SP11 - Surf	11									
				SP12 - Surf	12									
				SP13 - Surf	13									
				SP14 - Surf	14									
				SP15 - Surf	15									
				SP16 - Surf	16									
				SP17 - Surf	17									
				SP18 - Surf	18									
				SP19 - Surf	19									
				SP20 - Surf	20									Rec'd empty jar - No sample 8/3/23

Additional Instructions:

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

Sampled by: Juan Sales

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 6 °C on subsequent days.

Relinquished by: (Signature) <u>N. Gladden</u>	Date <u>7/28/23</u>	Time <u></u>	Received by: (Signature) <u>Michelle Gonzalez</u>	Date <u>8-2-23</u>	Time <u>1330</u>	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 <u></u> T2 <u></u> T3 <u></u> AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Gonzalez</u>	Date <u>8-2-23</u>	Time <u>1715</u>	Received by: (Signature) <u>Alfonso MORA</u>	Date <u>8-1-23</u>	Time <u>1730</u>	
Relinquished by: (Signature) <u>Alfonso MORA</u>	Date <u>8-2-23</u>	Time <u>2330</u>	Received by: (Signature) <u>Alfonso MORA</u>	Date <u>8-3-23</u>	Time <u>16:30</u>	

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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Project Information

Chain of Custody

Page 3 of 3

Client: <u>Tap Rock</u>				Bill To				Lab Use Only				TAT				EPA Program						
Project: <u>20240722H</u>				Attention:				Lab WO# <u>E308019</u>		Job Number <u>200400001</u>		1D	2D	3D	Standard	CWA	SDWA					
Project Manager: <u>N. Gladden</u>				Address:				Analysis and Method														
Address:				City, State, Zip															RCRA			
City, State, Zip				Phone:														State				
Phone:				Email:														NM	CO	UT	AZ	TX
Email:																						
Report due by:																		Remarks				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0					BGDOC	TX					
	7/28	S	1	SP21-surf	20	21																
				SP22-surf	21	22																
				SP23-surf	22	23																
				SP24-surf	23	24																
				SP25-surf	24	25																
8/3/23																						

Additional Instructions:

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

Sampled by: Juan Solis

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 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <u>Y</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
<u>N. Gladden</u>	<u>7/28/23</u>		<u>Michelle Gungler</u>	<u>8-2-23</u>	<u>1330</u>	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<u>Michelle Gungler</u>	<u>8-2-23</u>	<u>1715</u>	<u>Andrew Miso</u>	<u>8-2-23</u>	<u>1730</u>	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<u>Andrew Miso</u>	<u>8-2-23</u>	<u>2330</u>	<u>Alfred</u>	<u>8-3-23</u>	<u>6:30</u>	

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.

 **envirotech**

Envirotech Analytical Laboratory

Printed: 8/3/2023 9:21:49AM

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:	Tap Rock	Date Received:	08/03/23 06:30	Work Order ID:	E308019
Phone:	(575) 390-6397	Date Logged In:	08/02/23 15:42	Logged In By:	Caitlin Mars
Email:	natalie@energystaffingllc.com	Due Date:	08/04/23 17:00 (1 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? No
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: Courier**Comments/Resolution**

Sample ID SP20-Surf was received as an empty jar. this sample was removed from the COC (see green copy) and report will reflect 24 samples with analysis. Times sampled are not documented on the COC.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the 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 sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC 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 non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

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

Date



envirotech Inc.

Report to:
Natalie Gladden



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Tap Rock

Project Name: Jackson 922H

Work Order: E308083

Job Number: 20046-0001

Received: 8/14/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/15/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 8/15/23

Natalie Gladden
7 W. Compress Road
Artesia, NM 88210



Project Name: Jackson 922H
Workorder: E308083
Date Received: 8/14/2023 7:00:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/14/2023 7:00:00AM, under the Project Name: Jackson 922H.

The analytical test results summarized in this report with the Project Name: Jackson 922H 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 regarding 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
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Technical Representative
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Tap Rock	Project Name:	Jackson 922H	Reported: 08/15/23 14:54
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP5 - 2'	E308083-01A	Soil	08/10/23	08/14/23	Glass Jar, 2 oz.
SP6 - 2'	E308083-02A	Soil	08/10/23	08/14/23	Glass Jar, 2 oz.
SP7 - 2'	E308083-03A	Soil	08/10/23	08/14/23	Glass Jar, 2 oz.
SP8 - 2'	E308083-04A	Soil	08/10/23	08/14/23	Glass Jar, 2 oz.
SP9 - 2'	E308083-05A	Soil	08/10/23	08/14/23	Glass Jar, 2 oz.



Sample Data

Tap Rock	Project Name:	Jackson 922H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	8/15/2023 2:54:26PM

SP5 - 2'

E308083-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2333001	
Benzene	ND	0.0250	1	08/14/23	08/14/23	
Ethylbenzene	ND	0.0250	1	08/14/23	08/14/23	
Toluene	ND	0.0250	1	08/14/23	08/14/23	
o-Xylene	ND	0.0250	1	08/14/23	08/14/23	
p,m-Xylene	ND	0.0500	1	08/14/23	08/14/23	
Total Xylenes	ND	0.0250	1	08/14/23	08/14/23	
Surrogate: 4-Bromochlorobenzene-PID	94.9 %	70-130		08/14/23	08/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2333001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/23	08/14/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.3 %	70-130		08/14/23	08/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2333005	
Diesel Range Organics (C10-C28)	28.2	25.0	1	08/14/23	08/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/23	08/15/23	
Surrogate: n-Nonane	93.6 %	50-200		08/14/23	08/15/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2333008	
Chloride	110	20.0	1	08/14/23	08/14/23	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 8/15/2023 2:54:26PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP6 - 2'

E308083-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2333001	
Benzene	ND	0.0250	1	08/14/23	08/14/23	
Ethylbenzene	ND	0.0250	1	08/14/23	08/14/23	
Toluene	ND	0.0250	1	08/14/23	08/14/23	
o-Xylene	ND	0.0250	1	08/14/23	08/14/23	
p,m-Xylene	ND	0.0500	1	08/14/23	08/14/23	
Total Xylenes	ND	0.0250	1	08/14/23	08/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.1 %	70-130		08/14/23	08/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2333001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/23	08/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.7 %	70-130		08/14/23	08/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2333005	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/23	08/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/23	08/15/23	
<i>Surrogate: n-Nonane</i>						
	100 %	50-200		08/14/23	08/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2333008	
Chloride	73.3	20.0	1	08/14/23	08/14/23	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 8/15/2023 2:54:26PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP7 - 2'

E308083-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2333001	
Benzene	ND	0.0250	1	08/14/23	08/14/23	
Ethylbenzene	ND	0.0250	1	08/14/23	08/14/23	
Toluene	ND	0.0250	1	08/14/23	08/14/23	
o-Xylene	ND	0.0250	1	08/14/23	08/14/23	
p,m-Xylene	ND	0.0500	1	08/14/23	08/14/23	
Total Xylenes	ND	0.0250	1	08/14/23	08/14/23	
Surrogate: 4-Bromochlorobenzene-PID	95.6 %	70-130		08/14/23	08/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2333001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/23	08/14/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.5 %	70-130		08/14/23	08/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2333005	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/23	08/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/23	08/15/23	
Surrogate: n-Nonane	83.8 %	50-200		08/14/23	08/15/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2333008	
Chloride	70.5	20.0	1	08/14/23	08/14/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson 922H
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
8/15/2023 2:54:26PM

SP8 - 2'

E308083-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2333001	
Benzene	ND	0.0250	1	08/14/23	08/14/23	
Ethylbenzene	ND	0.0250	1	08/14/23	08/14/23	
Toluene	ND	0.0250	1	08/14/23	08/14/23	
o-Xylene	ND	0.0250	1	08/14/23	08/14/23	
p,m-Xylene	ND	0.0500	1	08/14/23	08/14/23	
Total Xylenes	ND	0.0250	1	08/14/23	08/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.3 %	70-130		08/14/23	08/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2333001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/23	08/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.6 %	70-130		08/14/23	08/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2333005	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/23	08/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/23	08/15/23	
<i>Surrogate: n-Nonane</i>						
	77.8 %	50-200		08/14/23	08/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2333008	
Chloride	57.3	20.0	1	08/14/23	08/14/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson 922H
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
8/15/2023 2:54:26PM

SP9 - 2'

E308083-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2333001	
Benzene	ND	0.0250	1	08/14/23	08/14/23	
Ethylbenzene	ND	0.0250	1	08/14/23	08/14/23	
Toluene	ND	0.0250	1	08/14/23	08/14/23	
o-Xylene	ND	0.0250	1	08/14/23	08/14/23	
p,m-Xylene	ND	0.0500	1	08/14/23	08/14/23	
Total Xylenes	ND	0.0250	1	08/14/23	08/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.9 %	70-130		08/14/23	08/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2333001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/23	08/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.8 %	70-130		08/14/23	08/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2333005	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/23	08/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/23	08/15/23	
<i>Surrogate: n-Nonane</i>						
	76.5 %	50-200		08/14/23	08/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2333008	
Chloride	91.3	20.0	1	08/14/23	08/14/23	



QC Summary Data

Tap Rock	Project Name:	Jackson 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	8/15/2023 2:54:26PM

Volatile Organics by EPA 8021B

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
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Blank (2333001-BLK1) Prepared: 08/14/23 Analyzed: 08/14/23

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	7.61		8.00		95.1	70-130			

LCS (2333001-BS1) Prepared: 08/14/23 Analyzed: 08/14/23

Benzene	4.98	0.0250	5.00		99.5	70-130			
Ethylbenzene	4.95	0.0250	5.00		98.9	70-130			
Toluene	4.99	0.0250	5.00		99.7	70-130			
o-Xylene	4.98	0.0250	5.00		99.6	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.64		8.00		95.5	70-130			

Matrix Spike (2333001-MS1) Source: E308083-02 Prepared: 08/14/23 Analyzed: 08/14/23

Benzene	5.18	0.0250	5.00	ND	104	54-133			
Ethylbenzene	5.14	0.0250	5.00	ND	103	61-133			
Toluene	5.20	0.0250	5.00	ND	104	61-130			
o-Xylene	5.15	0.0250	5.00	ND	103	63-131			
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131			
Total Xylenes	15.6	0.0250	15.0	ND	104	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.62		8.00		95.2	70-130			

Matrix Spike Dup (2333001-MSD1) Source: E308083-02 Prepared: 08/14/23 Analyzed: 08/14/23

Benzene	4.80	0.0250	5.00	ND	96.0	54-133	7.53	20	
Ethylbenzene	4.79	0.0250	5.00	ND	95.7	61-133	7.11	20	
Toluene	4.82	0.0250	5.00	ND	96.5	61-130	7.49	20	
o-Xylene	4.78	0.0250	5.00	ND	95.7	63-131	7.36	20	
p,m-Xylene	9.76	0.0500	10.0	ND	97.6	63-131	7.00	20	
Total Xylenes	14.5	0.0250	15.0	ND	97.0	63-131	7.12	20	
Surrogate: 4-Bromochlorobenzene-PID	7.62		8.00		95.3	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	8/15/2023 2:54:26PM

Nonhalogenated Organics by EPA 8015D - GRO

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
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Blank (2333001-BLK1) Prepared: 08/14/23 Analyzed: 08/14/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.25		8.00		90.7	70-130			

LCS (2333001-BS2) Prepared: 08/14/23 Analyzed: 08/14/23

Gasoline Range Organics (C6-C10)	52.6	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		92.1	70-130			

Matrix Spike (2333001-MS2) Source: E308083-02 Prepared: 08/14/23 Analyzed: 08/14/23

Gasoline Range Organics (C6-C10)	51.5	20.0	50.0	ND	103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.12		8.00		89.0	70-130			

Matrix Spike Dup (2333001-MSD2) Source: E308083-02 Prepared: 08/14/23 Analyzed: 08/14/23

Gasoline Range Organics (C6-C10)	51.0	20.0	50.0	ND	102	70-130	1.06	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.17		8.00		89.6	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	8/15/2023 2:54:26PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2333005-BLK1)					Prepared: 08/14/23 Analyzed: 08/15/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.6		50.0		101	50-200			

LCS (2333005-BS1)					Prepared: 08/14/23 Analyzed: 08/15/23				
Diesel Range Organics (C10-C28)	237	25.0	250		94.9	38-132			
Surrogate: n-Nonane	43.2		50.0		86.4	50-200			

Matrix Spike (2333005-MS1)					Source: E308083-02		Prepared: 08/14/23 Analyzed: 08/15/23		
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	46.7		50.0		93.4	50-200			

Matrix Spike Dup (2333005-MSD1)					Source: E308083-02		Prepared: 08/14/23 Analyzed: 08/15/23		
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132	0.197	20	
Surrogate: n-Nonane	46.6		50.0		93.3	50-200			



QC Summary Data

Tap Rock	Project Name:	Jackson 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	8/15/2023 2:54:26PM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2333008-BLK1)					Prepared: 08/14/23 Analyzed: 08/14/23				
Chloride	ND	20.0							
LCS (2333008-BS1)					Prepared: 08/14/23 Analyzed: 08/14/23				
Chloride	248	20.0	250		99.1	90-110			
Matrix Spike (2333008-MS1)					Source: E308083-01		Prepared: 08/14/23 Analyzed: 08/14/23		
Chloride	360	20.0	250	110	99.8	80-120			
Matrix Spike Dup (2333008-MSD1)					Source: E308083-01		Prepared: 08/14/23 Analyzed: 08/14/23		
Chloride	361	20.0	250	110	100	80-120	0.283	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

Tap Rock	Project Name:	Jackson 922H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	08/15/23 14:54

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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





Envirotech Analytical Laboratory

Printed: 8/14/2023 10:56:14AM

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:	Tap Rock	Date Received:	08/14/23 07:00	Work Order ID:	E308083
Phone:	(575) 390-6397	Date Logged In:	08/11/23 16:24	Logged In By:	Caitlin Mars
Email:	natalie@energystaffingllc.com	Due Date:	08/15/23 17:00 (1 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Time sampled not provided on COC per client.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the 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 sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC 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 non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

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

Date



envirotech Inc.

Report to:
Natalie Gladden



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Tap Rock

Project Name: Jackson Unit 922H

Work Order: E312141

Job Number: 20046-0001

Received: 12/21/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/22/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 12/22/23

Natalie Gladden
7 W. Compress Road
Artesia, NM 88210



Project Name: Jackson Unit 922H
Workorder: E312141
Date Received: 12/21/2023 7:15:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/21/2023 7:15:00AM, under the Project Name: Jackson Unit 922H.

The analytical test results summarized in this report with the Project Name: Jackson Unit 922H 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman
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Sample Summary

Tap Rock	Project Name:	Jackson Unit 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/22/23 12:27

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP10-6	E312141-01A	Soil	12/19/23	12/21/23	Glass Jar, 4 oz.



Sample Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported: 12/22/2023 12:27:57PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP10-6
E312141-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2351075	
Benzene	ND	0.0250	1	12/21/23	12/21/23	
Ethylbenzene	ND	0.0250	1	12/21/23	12/21/23	
Toluene	ND	0.0250	1	12/21/23	12/21/23	
o-Xylene	ND	0.0250	1	12/21/23	12/21/23	
p,m-Xylene	ND	0.0500	1	12/21/23	12/21/23	
Total Xylenes	ND	0.0250	1	12/21/23	12/21/23	
Surrogate: 4-Bromochlorobenzene-PID	94.6 %	70-130		12/21/23	12/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2351075	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/23	12/21/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.3 %	70-130		12/21/23	12/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2351058	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/23	12/21/23	
Surrogate: n-Nonane	99.9 %	50-200		12/20/23	12/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2351079	
Chloride	ND	20.0	1	12/21/23	12/21/23	



QC Summary Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/22/2023 12:27:57PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2351075-BLK1) Prepared: 12/21/23 Analyzed: 12/21/23

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	7.50		8.00		93.8	70-130			

LCS (2351075-BS1) Prepared: 12/21/23 Analyzed: 12/21/23

Benzene	4.89	0.0250	5.00		97.8	70-130			
Ethylbenzene	4.91	0.0250	5.00		98.1	70-130			
Toluene	4.93	0.0250	5.00		98.7	70-130			
o-Xylene	4.94	0.0250	5.00		98.9	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	14.9	0.0250	15.0		99.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.57		8.00		94.6	70-130			

Matrix Spike (2351075-MS1) Source: E312145-01 Prepared: 12/21/23 Analyzed: 12/21/23

Benzene	4.80	0.0250	5.00	ND	96.0	54-133			
Ethylbenzene	4.78	0.0250	5.00	ND	95.5	61-133			
Toluene	4.83	0.0250	5.00	ND	96.5	61-130			
o-Xylene	4.80	0.0250	5.00	ND	96.0	63-131			
p,m-Xylene	9.74	0.0500	10.0	ND	97.4	63-131			
Total Xylenes	14.5	0.0250	15.0	ND	96.9	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.5	70-130			

Matrix Spike Dup (2351075-MSD1) Source: E312145-01 Prepared: 12/21/23 Analyzed: 12/21/23

Benzene	4.78	0.0250	5.00	ND	95.6	54-133	0.371	20	
Ethylbenzene	4.76	0.0250	5.00	ND	95.2	61-133	0.277	20	
Toluene	4.80	0.0250	5.00	ND	96.1	61-130	0.484	20	
o-Xylene	4.79	0.0250	5.00	ND	95.8	63-131	0.219	20	
p,m-Xylene	9.71	0.0500	10.0	ND	97.1	63-131	0.300	20	
Total Xylenes	14.5	0.0250	15.0	ND	96.7	63-131	0.273	20	
Surrogate: 4-Bromochlorobenzene-PID	7.47		8.00		93.4	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/22/2023 12:27:57PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2351075-BLK1) Prepared: 12/21/23 Analyzed: 12/21/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.26		8.00		90.7	70-130			

LCS (2351075-BS2) Prepared: 12/21/23 Analyzed: 12/21/23

Gasoline Range Organics (C6-C10)	49.1	20.0	50.0		98.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			

Matrix Spike (2351075-MS2) Source: E312145-01 Prepared: 12/21/23 Analyzed: 12/22/23

Gasoline Range Organics (C6-C10)	47.9	20.0	50.0	ND	95.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.2	70-130			

Matrix Spike Dup (2351075-MSD2) Source: E312145-01 Prepared: 12/21/23 Analyzed: 12/22/23

Gasoline Range Organics (C6-C10)	48.6	20.0	50.0	ND	97.2	70-130	1.42	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.6	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/22/2023 12:27:57PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2351058-BLK1) Prepared: 12/20/23 Analyzed: 12/21/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.8		50.0		102	50-200			

LCS (2351058-BS1) Prepared: 12/20/23 Analyzed: 12/21/23

Diesel Range Organics (C10-C28)	247	25.0	250		99.0	38-132			
Surrogate: n-Nonane	52.4		50.0		105	50-200			

Matrix Spike (2351058-MS1) Source: E312119-44 Prepared: 12/20/23 Analyzed: 12/21/23

Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.1	38-132			
Surrogate: n-Nonane	55.4		50.0		111	50-200			

Matrix Spike Dup (2351058-MSD1) Source: E312119-44 Prepared: 12/20/23 Analyzed: 12/21/23

Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	38-132	2.93	20	
Surrogate: n-Nonane	51.6		50.0		103	50-200			



QC Summary Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/22/2023 12:27:57PM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2351079-BLK1)					Prepared: 12/21/23 Analyzed: 12/21/23				
Chloride	ND	20.0							
LCS (2351079-BS1)					Prepared: 12/21/23 Analyzed: 12/21/23				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2351079-MS1)					Source: E312145-01		Prepared: 12/21/23 Analyzed: 12/21/23		
Chloride	361	40.0	250	109	101	80-120			
Matrix Spike Dup (2351079-MSD1)					Source: E312145-01		Prepared: 12/21/23 Analyzed: 12/21/23		
Chloride	352	40.0	250	109	96.9	80-120	2.68	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

Tap Rock	Project Name:	Jackson Unit 922H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/22/23 12:27

- 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.





Envirotech Analytical Laboratory

Printed: 12/21/2023 7:23:36AM

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:	Tap Rock	Date Received:	12/21/23 07:15	Work Order ID:	E312141
Phone:	(575) 390-6397	Date Logged In:	12/21/23 07:20	Logged In By:	Raina Schwanz
Email:	natalie@energystaffingllc.com	Due Date:	12/22/23 17:00 (1 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the 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 sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC 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 non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

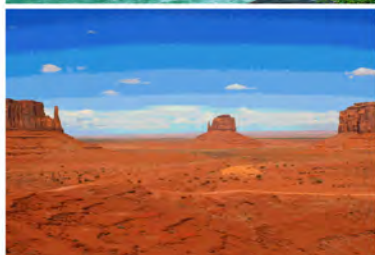
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Natalie Gladden



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Tap Rock

Project Name: Jackson Unit 922H

Work Order: E312146

Job Number: 20046-0001

Received: 12/21/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/22/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 12/22/23

Natalie Gladden
7 W. Compress Road
Artesia, NM 88210



Project Name: Jackson Unit 922H
Workorder: E312146
Date Received: 12/21/2023 7:15:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/21/2023 7:15:00AM, under the Project Name: Jackson Unit 922H.

The analytical test results summarized in this report with the Project Name: Jackson Unit 922H 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 regarding 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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Sample Summary

Tap Rock	Project Name:	Jackson Unit 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/22/23 13:51

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP12-4'	E312146-01A	Soil	12/19/23	12/21/23	Glass Jar, 2 oz.
SP13-4'	E312146-02A	Soil	12/19/23	12/21/23	Glass Jar, 2 oz.
SP14-4'	E312146-03A	Soil	12/19/23	12/21/23	Glass Jar, 2 oz.
SP15-4'	E312146-04A	Soil	12/19/23	12/21/23	Glass Jar, 2 oz.
SP16-4'	E312146-05A	Soil	12/19/23	12/21/23	Glass Jar, 2 oz.
SP17-4'	E312146-06A	Soil	12/19/23	12/21/23	Glass Jar, 2 oz.
SP18-4'	E312146-07A	Soil	12/19/23	12/21/23	Glass Jar, 2 oz.
SP24-4'	E312146-08A	Soil	12/19/23	12/21/23	Glass Jar, 2 oz.
SP25-4'	E312146-09A	Soil	12/19/23	12/21/23	Glass Jar, 2 oz.



Sample Data

Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Jackson Unit 922H Project Number: 20046-0001 Project Manager: Natalie Gladden	Reported: 12/22/2023 1:51:29PM
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SP12-4'

E312146-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351075
Benzene	ND	0.0250	1	12/21/23	12/21/23	
Ethylbenzene	ND	0.0250	1	12/21/23	12/21/23	
Toluene	ND	0.0250	1	12/21/23	12/21/23	
o-Xylene	ND	0.0250	1	12/21/23	12/21/23	
p,m-Xylene	ND	0.0500	1	12/21/23	12/21/23	
Total Xylenes	ND	0.0250	1	12/21/23	12/21/23	
Surrogate: 4-Bromochlorobenzene-PID	94.3 %	70-130		12/21/23	12/21/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351075
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/23	12/21/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.4 %	70-130		12/21/23	12/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351076
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/23	12/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/23	12/21/23	
Surrogate: n-Nonane	91.8 %	50-200		12/21/23	12/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2351079
Chloride	ND	200	10	12/21/23	12/21/23	



Sample Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported: 12/22/2023 1:51:29PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP13-4'

E312146-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2351075	
Benzene	ND	0.0250	1	12/21/23	12/21/23	
Ethylbenzene	ND	0.0250	1	12/21/23	12/21/23	
Toluene	ND	0.0250	1	12/21/23	12/21/23	
o-Xylene	ND	0.0250	1	12/21/23	12/21/23	
p,m-Xylene	ND	0.0500	1	12/21/23	12/21/23	
Total Xylenes	ND	0.0250	1	12/21/23	12/21/23	
Surrogate: 4-Bromochlorobenzene-PID	93.6 %	70-130		12/21/23	12/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2351075	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/23	12/21/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.0 %	70-130		12/21/23	12/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2351076	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/23	12/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/23	12/21/23	
Surrogate: n-Nonane	94.8 %	50-200		12/21/23	12/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2351079	
Chloride	ND	200	10	12/21/23	12/21/23	



Sample Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported: 12/22/2023 1:51:29PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP14-4'

E312146-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2351075	
Benzene	ND	0.0250	1	12/21/23	12/21/23	
Ethylbenzene	ND	0.0250	1	12/21/23	12/21/23	
Toluene	ND	0.0250	1	12/21/23	12/21/23	
o-Xylene	ND	0.0250	1	12/21/23	12/21/23	
p,m-Xylene	ND	0.0500	1	12/21/23	12/21/23	
Total Xylenes	ND	0.0250	1	12/21/23	12/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.3 %	70-130		12/21/23	12/21/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2351075	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/23	12/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.9 %	70-130		12/21/23	12/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2351076	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/23	12/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/23	12/22/23	
<i>Surrogate: n-Nonane</i>						
	92.0 %	50-200		12/21/23	12/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2351079	
Chloride	ND	200	10	12/21/23	12/21/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson Unit 922H
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
12/22/2023 1:51:29PM

SP15-4'

E312146-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351075
Benzene	ND	0.0250	1	12/21/23	12/21/23	
Ethylbenzene	ND	0.0250	1	12/21/23	12/21/23	
Toluene	ND	0.0250	1	12/21/23	12/21/23	
o-Xylene	ND	0.0250	1	12/21/23	12/21/23	
p,m-Xylene	ND	0.0500	1	12/21/23	12/21/23	
Total Xylenes	ND	0.0250	1	12/21/23	12/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.6 %	70-130		12/21/23	12/21/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351075
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/23	12/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.4 %	70-130		12/21/23	12/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351076
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/23	12/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/23	12/22/23	
<i>Surrogate: n-Nonane</i>						
	92.0 %	50-200		12/21/23	12/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2351079
Chloride	80.5	20.0	1	12/21/23	12/21/23	



Sample Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported: 12/22/2023 1:51:29PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP16-4'

E312146-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2351075	
Benzene	ND	0.0250	1	12/21/23	12/21/23	
Ethylbenzene	ND	0.0250	1	12/21/23	12/21/23	
Toluene	ND	0.0250	1	12/21/23	12/21/23	
o-Xylene	ND	0.0250	1	12/21/23	12/21/23	
p,m-Xylene	ND	0.0500	1	12/21/23	12/21/23	
Total Xylenes	ND	0.0250	1	12/21/23	12/21/23	
Surrogate: 4-Bromochlorobenzene-PID	94.9 %	70-130		12/21/23	12/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2351075	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/23	12/21/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.7 %	70-130		12/21/23	12/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2351076	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/23	12/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/23	12/22/23	
Surrogate: n-Nonane	92.8 %	50-200		12/21/23	12/22/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2351079	
Chloride	74.6	20.0	1	12/21/23	12/21/23	



Sample Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported: 12/22/2023 1:51:29PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP17-4'

E312146-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2351075	
Benzene	ND	0.0250	1	12/21/23	12/21/23	
Ethylbenzene	ND	0.0250	1	12/21/23	12/21/23	
Toluene	ND	0.0250	1	12/21/23	12/21/23	
o-Xylene	ND	0.0250	1	12/21/23	12/21/23	
p,m-Xylene	ND	0.0500	1	12/21/23	12/21/23	
Total Xylenes	ND	0.0250	1	12/21/23	12/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.9 %	70-130		12/21/23	12/21/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2351075	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/23	12/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.4 %	70-130		12/21/23	12/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2351076	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/23	12/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/23	12/22/23	
<i>Surrogate: n-Nonane</i>						
	91.0 %	50-200		12/21/23	12/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2351079	
Chloride	78.8	20.0	1	12/21/23	12/21/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson Unit 922H
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
12/22/2023 1:51:29PM

SP18-4'

E312146-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351075
Benzene	ND	0.0250	1	12/21/23	12/21/23	
Ethylbenzene	ND	0.0250	1	12/21/23	12/21/23	
Toluene	ND	0.0250	1	12/21/23	12/21/23	
o-Xylene	ND	0.0250	1	12/21/23	12/21/23	
p,m-Xylene	ND	0.0500	1	12/21/23	12/21/23	
Total Xylenes	ND	0.0250	1	12/21/23	12/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.7 %	70-130		12/21/23	12/21/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351075
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/23	12/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.6 %	70-130		12/21/23	12/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351076
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/23	12/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/23	12/22/23	
<i>Surrogate: n-Nonane</i>						
	93.4 %	50-200		12/21/23	12/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2351079
Chloride	82.7	20.0	1	12/21/23	12/21/23	



Sample Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported: 12/22/2023 1:51:29PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP24-4'

E312146-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2351075	
Benzene	ND	0.0250	1	12/21/23	12/21/23	
Ethylbenzene	ND	0.0250	1	12/21/23	12/21/23	
Toluene	ND	0.0250	1	12/21/23	12/21/23	
o-Xylene	ND	0.0250	1	12/21/23	12/21/23	
p,m-Xylene	ND	0.0500	1	12/21/23	12/21/23	
Total Xylenes	ND	0.0250	1	12/21/23	12/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.8 %	70-130		12/21/23	12/21/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2351075	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/23	12/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.6 %	70-130		12/21/23	12/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2351076	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/23	12/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/23	12/22/23	
<i>Surrogate: n-Nonane</i>						
	94.1 %	50-200		12/21/23	12/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2351079	
Chloride	81.7	20.0	1	12/21/23	12/21/23	



Sample Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported: 12/22/2023 1:51:29PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP25-4'

E312146-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2351075	
Benzene	ND	0.0250	1	12/21/23	12/21/23	
Ethylbenzene	ND	0.0250	1	12/21/23	12/21/23	
Toluene	ND	0.0250	1	12/21/23	12/21/23	
o-Xylene	ND	0.0250	1	12/21/23	12/21/23	
p,m-Xylene	ND	0.0500	1	12/21/23	12/21/23	
Total Xylenes	ND	0.0250	1	12/21/23	12/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.9 %	70-130		12/21/23	12/21/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2351075	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/23	12/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.0 %	70-130		12/21/23	12/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2351076	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/23	12/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/23	12/22/23	
<i>Surrogate: n-Nonane</i>						
	95.8 %	50-200		12/21/23	12/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2351079	
Chloride	85.1	20.0	1	12/21/23	12/21/23	



QC Summary Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/22/2023 1:51:29PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2351075-BLK1) Prepared: 12/21/23 Analyzed: 12/21/23

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	7.50		8.00		93.8	70-130			

LCS (2351075-BS1) Prepared: 12/21/23 Analyzed: 12/21/23

Benzene	4.89	0.0250	5.00		97.8	70-130			
Ethylbenzene	4.91	0.0250	5.00		98.1	70-130			
Toluene	4.93	0.0250	5.00		98.7	70-130			
o-Xylene	4.94	0.0250	5.00		98.9	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	14.9	0.0250	15.0		99.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.57		8.00		94.6	70-130			

Matrix Spike (2351075-MS1) Source: E312145-01 Prepared: 12/21/23 Analyzed: 12/21/23

Benzene	4.80	0.0250	5.00	ND	96.0	54-133			
Ethylbenzene	4.78	0.0250	5.00	ND	95.5	61-133			
Toluene	4.83	0.0250	5.00	ND	96.5	61-130			
o-Xylene	4.80	0.0250	5.00	ND	96.0	63-131			
p,m-Xylene	9.74	0.0500	10.0	ND	97.4	63-131			
Total Xylenes	14.5	0.0250	15.0	ND	96.9	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.5	70-130			

Matrix Spike Dup (2351075-MSD1) Source: E312145-01 Prepared: 12/21/23 Analyzed: 12/21/23

Benzene	4.78	0.0250	5.00	ND	95.6	54-133	0.371	20	
Ethylbenzene	4.76	0.0250	5.00	ND	95.2	61-133	0.277	20	
Toluene	4.80	0.0250	5.00	ND	96.1	61-130	0.484	20	
o-Xylene	4.79	0.0250	5.00	ND	95.8	63-131	0.219	20	
p,m-Xylene	9.71	0.0500	10.0	ND	97.1	63-131	0.300	20	
Total Xylenes	14.5	0.0250	15.0	ND	96.7	63-131	0.273	20	
Surrogate: 4-Bromochlorobenzene-PID	7.47		8.00		93.4	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/22/2023 1:51:29PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2351075-BLK1) Prepared: 12/21/23 Analyzed: 12/21/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.26		8.00		90.7	70-130			

LCS (2351075-BS2) Prepared: 12/21/23 Analyzed: 12/21/23

Gasoline Range Organics (C6-C10)	49.1	20.0	50.0		98.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			

Matrix Spike (2351075-MS2) Source: E312145-01 Prepared: 12/21/23 Analyzed: 12/22/23

Gasoline Range Organics (C6-C10)	47.9	20.0	50.0	ND	95.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.2	70-130			

Matrix Spike Dup (2351075-MSD2) Source: E312145-01 Prepared: 12/21/23 Analyzed: 12/22/23

Gasoline Range Organics (C6-C10)	48.6	20.0	50.0	ND	97.2	70-130	1.42	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.6	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/22/2023 1:51:29PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2351076-BLK1)					Prepared: 12/21/23 Analyzed: 12/21/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.5		50.0		92.9	50-200			

LCS (2351076-BS1)					Prepared: 12/21/23 Analyzed: 12/21/23				
Diesel Range Organics (C10-C28)	243	25.0	250		97.3	38-132			
Surrogate: n-Nonane	49.3		50.0		98.5	50-200			

Matrix Spike (2351076-MS1)					Source: E312146-01		Prepared: 12/21/23 Analyzed: 12/21/23		
Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	46.4		50.0		92.8	50-200			

Matrix Spike Dup (2351076-MSD1)					Source: E312146-01		Prepared: 12/21/23 Analyzed: 12/21/23		
Diesel Range Organics (C10-C28)	250	25.0	250	ND	100	38-132	0.586	20	
Surrogate: n-Nonane	46.7		50.0		93.5	50-200			



QC Summary Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/22/2023 1:51:29PM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2351079-BLK1)					Prepared: 12/21/23 Analyzed: 12/21/23				
Chloride	ND	20.0							
LCS (2351079-BS1)					Prepared: 12/21/23 Analyzed: 12/21/23				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2351079-MS1)					Source: E312145-01		Prepared: 12/21/23 Analyzed: 12/21/23		
Chloride	361	40.0	250	109	101	80-120			
Matrix Spike Dup (2351079-MSD1)					Source: E312145-01		Prepared: 12/21/23 Analyzed: 12/21/23		
Chloride	352	40.0	250	109	96.9	80-120	2.68	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

Tap Rock	Project Name:	Jackson Unit 922H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/22/23 13:51

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



Project Information

Chain of Custody

Page 1 of 1

Client: TAPROCK					Bill To					Lab Use Only					TAT				EPA Program					
Project: JACKSON 922H					Attention: ENERGY STAFFING SERVICES					Lab WO# E312146					Job Number 20046-0001				1D	2D	3D	Standard	CWA	SDWA
Project Manager:					Address: 2724 NW COUNTY RD					Analysis and Method									RCRA					
Address:					City, State, Zip HOBBS, NM 88240																			
City, State, Zip					Phone: 575-393-9048														State					
Phone:					Email: NATALIE@ENERGYSTAFFINGLLC.COM																			
Email:					BRITTNEY@ENERGYSTAFFINGLLC.COM														NM CO UT AZ TX					
Report due by:																								
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRG/ORG by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 5010	Chloride 300.0	ISGDDC NM	ISGDDC TX	Remarks										
	12/19/23	S	1	SP 12-4'	1							X												
				SP 13-4'	2																			
				SP 14-4'	3																			
				SP 15-4'	4																			
				SP 16-4'	5																			
				SP 17-4'	6																			
				SP 18-4'	7																			
				SP 24-4'	8																			
	12/19/23	S	1	SP 25-4'	9							X												

Additional Instructions:

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

Sampled by: **M. RIVERA**

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 6 °C on subsequent days.

Relinquished by: (Signature) M. Rivera	Date 12/20/23	Time	Received by: (Signature) Michelle Coyne	Date 12/20/23	Time 13:00	Lab Use Only
Relinquished by: (Signature) Michelle Coyne	Date 12/20/23	Time 15:45	Received by: (Signature) Joe	Date 12/20/23	Time 17:15	Received on ice: Y
Relinquished by: (Signature) Joe	Date 12/20/23	Time 23:30	Received by: (Signature) Raima Del...	Date 12/21/23	Time 7:15	AVG Temp °C 4

Envirotech Analytical Laboratory

Printed: 12/21/2023 8:49:24AM

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:	Tap Rock	Date Received:	12/21/23 07:15	Work Order ID:	E312146
Phone:	(575) 390-6397	Date Logged In:	12/21/23 08:45	Logged In By:	Raina Schwanz
Email:	natalie@energystaffingllc.com	Due Date:	12/22/23 17:00 (1 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the 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 sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC 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 non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

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

Date



envirotech Inc.

Report to:
Natalie Gladden



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Tap Rock

Project Name: Jackson Unit 922H

Work Order: E401036

Job Number: 20046-0001

Received: 1/10/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/11/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 1/11/24

Natalie Gladden
7 W. Compress Road
Artesia, NM 88210



Project Name: Jackson Unit 922H
Workorder: E401036
Date Received: 1/10/2024 8:45:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/10/2024 8:45:00AM, under the Project Name: Jackson Unit 922H.

The analytical test results summarized in this report with the Project Name: Jackson Unit 922H 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 regarding 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
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Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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Sample Summary

Tap Rock	Project Name:	Jackson Unit 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	01/11/24 16:57

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
sp 20-10'	E401036-01A	Soil	01/08/24	01/10/24	Glass Jar, 2 oz.
sp 19-4'	E401036-02A	Soil	01/08/24	01/10/24	Glass Jar, 2 oz.



Sample Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported: 1/11/2024 4:57:17PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

sp 20-10'

E401036-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2402033	
Benzene	ND	0.0250	1	01/10/24	01/10/24	
Ethylbenzene	ND	0.0250	1	01/10/24	01/10/24	
Toluene	ND	0.0250	1	01/10/24	01/10/24	
o-Xylene	ND	0.0250	1	01/10/24	01/10/24	
p,m-Xylene	ND	0.0500	1	01/10/24	01/10/24	
Total Xylenes	ND	0.0250	1	01/10/24	01/10/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.4 %	70-130		01/10/24	01/10/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2402033	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/24	01/10/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.9 %	70-130		01/10/24	01/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2402036	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/10/24	01/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/10/24	01/10/24	
<i>Surrogate: n-Nonane</i>						
	91.9 %	50-200		01/10/24	01/10/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2402037	
Chloride	ND	20.0	1	01/10/24	01/10/24	



Sample Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported: 1/11/2024 4:57:17PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

sp 19-4'
E401036-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2402033	
Benzene	ND	0.0250	1	01/10/24	01/10/24	
Ethylbenzene	ND	0.0250	1	01/10/24	01/10/24	
Toluene	ND	0.0250	1	01/10/24	01/10/24	
o-Xylene	ND	0.0250	1	01/10/24	01/10/24	
p,m-Xylene	ND	0.0500	1	01/10/24	01/10/24	
Total Xylenes	ND	0.0250	1	01/10/24	01/10/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.3 %	70-130		01/10/24	01/10/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2402033	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/24	01/10/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.4 %	70-130		01/10/24	01/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2402036	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/10/24	01/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/10/24	01/10/24	
<i>Surrogate: n-Nonane</i>						
	91.6 %	50-200		01/10/24	01/10/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2402037	
Chloride	ND	20.0	1	01/10/24	01/10/24	



QC Summary Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/11/2024 4:57:17PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2402033-BLK1) Prepared: 01/10/24 Analyzed: 01/10/24

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	7.64		8.00		95.5	70-130			

LCS (2402033-BS1) Prepared: 01/10/24 Analyzed: 01/10/24

Benzene	4.71	0.0250	5.00		94.2	70-130			
Ethylbenzene	4.69	0.0250	5.00		93.8	70-130			
Toluene	4.74	0.0250	5.00		94.7	70-130			
o-Xylene	4.72	0.0250	5.00		94.5	70-130			
p,m-Xylene	9.57	0.0500	10.0		95.7	70-130			
Total Xylenes	14.3	0.0250	15.0		95.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.67		8.00		95.9	70-130			

Matrix Spike (2402033-MS1) Source: E401037-02 Prepared: 01/10/24 Analyzed: 01/10/24

Benzene	4.70	0.0250	5.00	ND	94.0	54-133			
Ethylbenzene	4.67	0.0250	5.00	ND	93.5	61-133			
Toluene	4.73	0.0250	5.00	ND	94.6	61-130			
o-Xylene	4.71	0.0250	5.00	ND	94.1	63-131			
p,m-Xylene	9.52	0.0500	10.0	ND	95.2	63-131			
Total Xylenes	14.2	0.0250	15.0	ND	94.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.69		8.00		96.2	70-130			

Matrix Spike Dup (2402033-MSD1) Source: E401037-02 Prepared: 01/10/24 Analyzed: 01/10/24

Benzene	4.99	0.0250	5.00	ND	99.9	54-133	6.06	20	
Ethylbenzene	4.97	0.0250	5.00	ND	99.5	61-133	6.23	20	
Toluene	5.02	0.0250	5.00	ND	100	61-130	5.95	20	
o-Xylene	5.00	0.0250	5.00	ND	100	63-131	6.03	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	6.40	20	
Total Xylenes	15.1	0.0250	15.0	ND	101	63-131	6.27	20	
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.7	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/11/2024 4:57:17PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2402033-BLK1) Prepared: 01/10/24 Analyzed: 01/10/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.2	70-130			

LCS (2402033-BS2) Prepared: 01/10/24 Analyzed: 01/10/24

Gasoline Range Organics (C6-C10)	53.2	20.0	50.0		106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		8.00		96.9	70-130			

Matrix Spike (2402033-MS2) Source: E401037-02 Prepared: 01/10/24 Analyzed: 01/10/24

Gasoline Range Organics (C6-C10)	51.3	20.0	50.0	ND	103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.85		8.00		98.2	70-130			

Matrix Spike Dup (2402033-MSD2) Source: E401037-02 Prepared: 01/10/24 Analyzed: 01/10/24

Gasoline Range Organics (C6-C10)	53.6	20.0	50.0	ND	107	70-130	4.37	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.2	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/11/2024 4:57:17PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2402036-BLK1)					Prepared: 01/10/24 Analyzed: 01/10/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.3		50.0		90.6	50-200			

LCS (2402036-BS1)					Prepared: 01/10/24 Analyzed: 01/10/24				
Diesel Range Organics (C10-C28)	269	25.0	250		108	38-132			
Surrogate: n-Nonane	47.3		50.0		94.5	50-200			

Matrix Spike (2402036-MS1)					Source: E401037-01		Prepared: 01/10/24 Analyzed: 01/10/24		
Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	38-132			
Surrogate: n-Nonane	46.9		50.0		93.8	50-200			

Matrix Spike Dup (2402036-MSD1)					Source: E401037-01		Prepared: 01/10/24 Analyzed: 01/10/24		
Diesel Range Organics (C10-C28)	284	25.0	250	ND	114	38-132	3.33	20	
Surrogate: n-Nonane	46.7		50.0		93.3	50-200			



QC Summary Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/11/2024 4:57:17PM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2402037-BLK1)					Prepared: 01/10/24 Analyzed: 01/10/24				
Chloride	ND	20.0							
LCS (2402037-BS1)					Prepared: 01/10/24 Analyzed: 01/10/24				
Chloride	247	20.0	250		99.0	90-110			
Matrix Spike (2402037-MS1)					Source: E401031-02		Prepared: 01/10/24 Analyzed: 01/10/24		
Chloride	354	20.0	250	104	99.7	80-120			
Matrix Spike Dup (2402037-MSD1)					Source: E401031-02		Prepared: 01/10/24 Analyzed: 01/10/24		
Chloride	357	20.0	250	104	101	80-120	1.04	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

Tap Rock	Project Name:	Jackson Unit 922H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	01/11/24 16:57

- 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.



Envirotech Analytical Laboratory

Printed: 1/10/2024 11:38:31AM

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:	Tap Rock	Date Received:	01/10/24 08:45	Work Order ID:	E401036
Phone:	(575) 390-6397	Date Logged In:	01/09/24 16:29	Logged In By:	Alexa Michaels
Email:	natalie@energystaffingllc.com	Due Date:	01/11/24 17:00 (1 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Project manager and time sampled are not documented on the COC by client.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the 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 sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC 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 non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? No
 - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

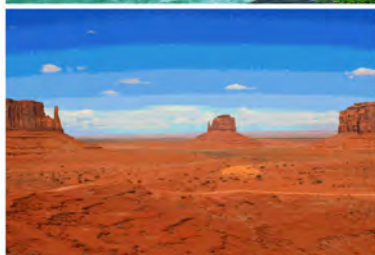
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Natalie Gladden



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Tap Rock

Project Name: Jackson Unit 922H

Work Order: E401043

Job Number: 20046-0001

Received: 1/11/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/12/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 1/12/24

Natalie Gladden
7 W. Compress Road
Artesia, NM 88210



Project Name: Jackson Unit 922H
Workorder: E401043
Date Received: 1/11/2024 7:15:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/11/2024 7:15:00AM, under the Project Name: Jackson Unit 922H.

The analytical test results summarized in this report with the Project Name: Jackson Unit 922H 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 regarding 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,

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Laboratory Administrator
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Sample Summary

Tap Rock	Project Name:	Jackson Unit 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	01/12/24 17:13

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Sp 11-28'	E401043-01A	Soil	01/09/24	01/11/24	Glass Jar, 2 oz.
Sw 1-2'	E401043-02A	Soil	01/09/24	01/11/24	Glass Jar, 2 oz.
Sw 2-2'	E401043-03A	Soil	01/09/24	01/11/24	Glass Jar, 2 oz.
Sw 3-2'	E401043-04A	Soil	01/09/24	01/11/24	Glass Jar, 2 oz.
Sw 4-2'	E401043-05A	Soil	01/09/24	01/11/24	Glass Jar, 2 oz.
Sw 5-3'	E401043-06A	Soil	01/09/24	01/11/24	Glass Jar, 2 oz.
Sw 6-3'	E401043-07A	Soil	01/09/24	01/11/24	Glass Jar, 2 oz.
Sw 7-2'	E401043-08A	Soil	01/09/24	01/11/24	Glass Jar, 2 oz.
Sw 8-2'	E401043-09A	Soil	01/09/24	01/11/24	Glass Jar, 2 oz.
Sw 9-2'	E401043-10A	Soil	01/09/24	01/11/24	Glass Jar, 2 oz.
Sw 10-3'	E401043-11A	Soil	01/09/24	01/11/24	Glass Jar, 2 oz.
Sw 11-2'	E401043-12A	Soil	01/09/24	01/11/24	Glass Jar, 2 oz.



Report to:
Natalie Gladden



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Tap Rock

Project Name: Jackson Unit 922H

Work Order: E401058

Job Number: 20046-0001

Received: 1/12/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/15/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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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: 1/15/24

Natalie Gladden
7 W. Compress Road
Artesia, NM 88210



Project Name: Jackson Unit 922H
Workorder: E401058
Date Received: 1/12/2024 7:00:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/12/2024 7:00:00AM, under the Project Name: Jackson Unit 922H.

The analytical test results summarized in this report with the Project Name: Jackson Unit 922H 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman
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Sample Summary

Tap Rock	Project Name:	Jackson Unit 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	01/15/24 15:17

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
sp 21-4'	E401058-01A	Soil	01/10/24	01/12/24	Glass Jar, 2 oz.
sp 22-16'	E401058-02A	Soil	01/10/24	01/12/24	Glass Jar, 2 oz.
sp 23-16'	E401058-03A	Soil	01/10/24	01/12/24	Glass Jar, 2 oz.



Sample Data

Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Jackson Unit 922H Project Number: 20046-0001 Project Manager: Natalie Gladden	Reported: 1/15/2024 3:17:56PM
---	---	----------------------------------

sp 21-4'

E401058-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: EG		Batch: 2402064
Benzene	ND	0.0250	1	01/11/24	01/13/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/13/24	
Toluene	ND	0.0250	1	01/11/24	01/13/24	
o-Xylene	ND	0.0250	1	01/11/24	01/13/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/13/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/13/24	
Surrogate: 4-Bromochlorobenzene-PID	92.4 %	70-130		01/11/24	01/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: EG		Batch: 2402064
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.7 %	70-130		01/11/24	01/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2402076
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/24	01/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/24	01/13/24	
Surrogate: n-Nonane	88.9 %	50-200		01/12/24	01/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2403007
Chloride	ND	20.0	1	01/15/24	01/15/24	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson Unit 922H
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
1/15/2024 3:17:56PM

sp 22-16'

E401058-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2402064	
Benzene	ND	0.0250	1	01/11/24	01/13/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/13/24	
Toluene	ND	0.0250	1	01/11/24	01/13/24	
o-Xylene	ND	0.0250	1	01/11/24	01/13/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/13/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.2 %	70-130		01/11/24	01/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2402064	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.9 %	70-130		01/11/24	01/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2402076	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/24	01/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/24	01/13/24	
<i>Surrogate: n-Nonane</i>						
	89.1 %	50-200		01/12/24	01/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2403007	
Chloride	85.1	20.0	1	01/15/24	01/15/24	



Sample Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported: 1/15/2024 3:17:56PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

sp 23-16'

E401058-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2402064	
Benzene	ND	0.0250	1	01/11/24	01/13/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/13/24	
Toluene	ND	0.0250	1	01/11/24	01/13/24	
o-Xylene	ND	0.0250	1	01/11/24	01/13/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/13/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.0 %	70-130		01/11/24	01/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2402064	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.9 %	70-130		01/11/24	01/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2402076	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/24	01/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/24	01/13/24	
<i>Surrogate: n-Nonane</i>						
	95.0 %	50-200		01/12/24	01/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2403007	
Chloride	ND	20.0	1	01/15/24	01/15/24	



QC Summary Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/15/2024 3:17:56PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2402064-BLK1) Prepared: 01/11/24 Analyzed: 01/12/24

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	7.65		8.00		95.6	70-130			

LCS (2402064-BS1) Prepared: 01/11/24 Analyzed: 01/12/24

Benzene	4.88	0.0250	5.00		97.7	70-130			
Ethylbenzene	4.86	0.0250	5.00		97.3	70-130			
Toluene	4.91	0.0250	5.00		98.2	70-130			
o-Xylene	4.90	0.0250	5.00		97.9	70-130			
p,m-Xylene	9.94	0.0500	10.0		99.4	70-130			
Total Xylenes	14.8	0.0250	15.0		98.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.67		8.00		95.9	70-130			

Matrix Spike (2402064-MS1) Source: E401048-02 Prepared: 01/11/24 Analyzed: 01/12/24

Benzene	4.84	0.0250	5.00	ND	96.8	54-133			
Ethylbenzene	4.81	0.0250	5.00	ND	96.3	61-133			
Toluene	4.86	0.0250	5.00	ND	97.3	61-130			
o-Xylene	4.83	0.0250	5.00	ND	96.6	63-131			
p,m-Xylene	9.81	0.0500	10.0	ND	98.1	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.6	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.69		8.00		96.1	70-130			

Matrix Spike Dup (2402064-MSD1) Source: E401048-02 Prepared: 01/11/24 Analyzed: 01/12/24

Benzene	4.80	0.0250	5.00	ND	96.0	54-133	0.843	20	
Ethylbenzene	4.80	0.0250	5.00	ND	95.9	61-133	0.364	20	
Toluene	4.83	0.0250	5.00	ND	96.7	61-130	0.609	20	
o-Xylene	4.83	0.0250	5.00	ND	96.5	63-131	0.0404	20	
p,m-Xylene	9.78	0.0500	10.0	ND	97.8	63-131	0.389	20	
Total Xylenes	14.6	0.0250	15.0	ND	97.3	63-131	0.274	20	
Surrogate: 4-Bromochlorobenzene-PID	7.64		8.00		95.5	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/15/2024 3:17:56PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2402064-BLK1) Prepared: 01/11/24 Analyzed: 01/12/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.2	70-130			

LCS (2402064-BS2) Prepared: 01/11/24 Analyzed: 01/12/24

Gasoline Range Organics (C6-C10)	52.6	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.4	70-130			

Matrix Spike (2402064-MS2) Source: E401048-02 Prepared: 01/11/24 Analyzed: 01/12/24

Gasoline Range Organics (C6-C10)	51.5	20.0	50.0	ND	103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.84		8.00		98.0	70-130			

Matrix Spike Dup (2402064-MSD2) Source: E401048-02 Prepared: 01/11/24 Analyzed: 01/12/24

Gasoline Range Organics (C6-C10)	53.7	20.0	50.0	ND	107	70-130	4.16	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.8	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/15/2024 3:17:56PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2402076-BLK1) Prepared: 01/12/24 Analyzed: 01/12/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	43.0		50.0		85.9	50-200			

LCS (2402076-BS1) Prepared: 01/12/24 Analyzed: 01/12/24

Diesel Range Organics (C10-C28)	216	25.0	250		86.4	38-132			
Surrogate: n-Nonane	43.9		50.0		87.8	50-200			

Matrix Spike (2402076-MS1) Source: E401050-05 Prepared: 01/12/24 Analyzed: 01/15/24

Diesel Range Organics (C10-C28)	259	25.0	250	32.0	90.9	38-132			
Surrogate: n-Nonane	42.4		50.0		84.8	50-200			

Matrix Spike Dup (2402076-MSD1) Source: E401050-05 Prepared: 01/12/24 Analyzed: 01/12/24

Diesel Range Organics (C10-C28)	268	25.0	250	32.0	94.5	38-132	3.41	20	
Surrogate: n-Nonane	41.4		50.0		82.9	50-200			



QC Summary Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/15/2024 3:17:56PM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2403007-BLK1)					Prepared: 01/15/24 Analyzed: 01/15/24				
Chloride	ND	20.0							
LCS (2403007-BS1)					Prepared: 01/15/24 Analyzed: 01/15/24				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2403007-MS1)					Source: E401050-02		Prepared: 01/15/24 Analyzed: 01/15/24		
Chloride	544	20.0	250	295	99.7	80-120			
Matrix Spike Dup (2403007-MSD1)					Source: E401050-02		Prepared: 01/15/24 Analyzed: 01/15/24		
Chloride	530	20.0	250	295	94.0	80-120	2.66	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

Tap Rock	Project Name:	Jackson Unit 922H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	01/15/24 15:17

- 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.





Envirotech Analytical Laboratory

Printed: 1/12/2024 4:31:18PM

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:	Tap Rock	Date Received:	01/12/24 07:00	Work Order ID:	E401058
Phone:	(575) 390-6397	Date Logged In:	01/11/24 16:09	Logged In By:	Alexa Michaels
Email:	natalie@energystaffingllc.com	Due Date:	01/15/24 17:00 (1 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Project manager and time sampled is not documented on the COC by client.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the 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 sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC 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 non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

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

Date



envirotech Inc.

Sample Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported: 1/12/2024 5:13:27PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

Sp 11-28'

E401043-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS		Batch: 2402056	
Benzene	ND	0.0250	1	01/11/24	01/11/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/11/24	
Toluene	ND	0.0250	1	01/11/24	01/11/24	
o-Xylene	ND	0.0250	1	01/11/24	01/11/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/11/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/11/24	
Surrogate: 4-Bromochlorobenzene-PID	91.9 %	70-130		01/11/24	01/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS		Batch: 2402056	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.1 %	70-130		01/11/24	01/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2402052	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/24	01/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/24	01/11/24	
Surrogate: n-Nonane	97.6 %	50-200		01/11/24	01/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2402058	
Chloride	ND	20.0	1	01/11/24	01/11/24	



Sample Data

Tap Rock	Project Name:	Jackson Unit 922H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/12/2024 5:13:27PM

Sw 1-2'

E401043-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS		Batch: 2402056	
Benzene	ND	0.0250	1	01/11/24	01/11/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/11/24	
Toluene	ND	0.0250	1	01/11/24	01/11/24	
o-Xylene	ND	0.0250	1	01/11/24	01/11/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/11/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/11/24	
Surrogate: 4-Bromochlorobenzene-PID	92.5 %	70-130		01/11/24	01/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS		Batch: 2402056	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.2 %	70-130		01/11/24	01/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2402052	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/24	01/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/24	01/11/24	
Surrogate: n-Nonane	101 %	50-200		01/11/24	01/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2402058	
Chloride	ND	20.0	1	01/11/24	01/11/24	



Sample Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported: 1/12/2024 5:13:27PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

Sw 2-2'

E401043-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2402056	
Benzene	ND	0.0250	1	01/11/24	01/11/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/11/24	
Toluene	ND	0.0250	1	01/11/24	01/11/24	
o-Xylene	ND	0.0250	1	01/11/24	01/11/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/11/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.5 %	70-130		01/11/24	01/11/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2402056	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.8 %	70-130		01/11/24	01/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2402052	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/24	01/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/24	01/12/24	
<i>Surrogate: n-Nonane</i>						
	96.3 %	50-200		01/11/24	01/12/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2402058	
Chloride	ND	20.0	1	01/11/24	01/11/24	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson Unit 922H
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
1/12/2024 5:13:27PM

Sw 3-2'

E401043-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2402056
Benzene	ND	0.0250	1	01/11/24	01/11/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/11/24	
Toluene	ND	0.0250	1	01/11/24	01/11/24	
o-Xylene	ND	0.0250	1	01/11/24	01/11/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/11/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.2 %	70-130		01/11/24	01/11/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2402056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.6 %	70-130		01/11/24	01/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2402052
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/24	01/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/24	01/12/24	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		01/11/24	01/12/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2402058
Chloride	80.8	20.0	1	01/11/24	01/11/24	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson Unit 922H
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
1/12/2024 5:13:27PM

Sw 4-2'

E401043-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2402056
Benzene	ND	0.0250	1	01/11/24	01/12/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/12/24	
Toluene	ND	0.0250	1	01/11/24	01/12/24	
o-Xylene	ND	0.0250	1	01/11/24	01/12/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/12/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/12/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.3 %	70-130		01/11/24	01/12/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2402056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/12/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.3 %	70-130		01/11/24	01/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2402052
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/24	01/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/24	01/12/24	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		01/11/24	01/12/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2402058
Chloride	ND	20.0	1	01/11/24	01/11/24	



Sample Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported: 1/12/2024 5:13:27PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

Sw 5-3'
E401043-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2402056	
Benzene	ND	0.0250	1	01/11/24	01/11/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/11/24	
Toluene	ND	0.0250	1	01/11/24	01/11/24	
o-Xylene	ND	0.0250	1	01/11/24	01/11/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/11/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.9 %	70-130		01/11/24	01/11/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2402056	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.7 %	70-130		01/11/24	01/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2402052	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/24	01/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/24	01/12/24	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		01/11/24	01/12/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2402058	
Chloride	80.2	20.0	1	01/11/24	01/11/24	



Sample Data

Tap Rock	Project Name:	Jackson Unit 922H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/12/2024 5:13:27PM

Sw 6-3'

E401043-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2402056
Benzene	ND	0.0250	1	01/11/24	01/12/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/12/24	
Toluene	ND	0.0250	1	01/11/24	01/12/24	
o-Xylene	ND	0.0250	1	01/11/24	01/12/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/12/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/12/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.1 %	70-130		01/11/24	01/12/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2402056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/12/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.1 %	70-130		01/11/24	01/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2402052
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/24	01/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/24	01/12/24	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		01/11/24	01/12/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2402058
Chloride	83.7	20.0	1	01/11/24	01/11/24	



Sample Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported: 1/12/2024 5:13:27PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

Sw 7-2'
E401043-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS		Batch: 2402056	
Benzene	ND	0.0250	1	01/11/24	01/12/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/12/24	
Toluene	ND	0.0250	1	01/11/24	01/12/24	
o-Xylene	ND	0.0250	1	01/11/24	01/12/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/12/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/12/24	
Surrogate: 4-Bromochlorobenzene-PID	91.9 %	70-130		01/11/24	01/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS		Batch: 2402056	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.5 %	70-130		01/11/24	01/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2402052	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/24	01/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/24	01/12/24	
Surrogate: n-Nonane	105 %	50-200		01/11/24	01/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2402058	
Chloride	ND	20.0	1	01/11/24	01/11/24	



Sample Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported: 1/12/2024 5:13:27PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

Sw 8-2'

E401043-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS		Batch: 2402056	
Benzene	ND	0.0250	1	01/11/24	01/12/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/12/24	
Toluene	ND	0.0250	1	01/11/24	01/12/24	
o-Xylene	ND	0.0250	1	01/11/24	01/12/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/12/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/12/24	
Surrogate: 4-Bromochlorobenzene-PID	92.3 %	70-130		01/11/24	01/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS		Batch: 2402056	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.7 %	70-130		01/11/24	01/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2402052	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/24	01/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/24	01/12/24	
Surrogate: n-Nonane	98.7 %	50-200		01/11/24	01/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2402058	
Chloride	81.7	20.0	1	01/11/24	01/11/24	



Sample Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported: 1/12/2024 5:13:27PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

Sw 9-2'

E401043-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS		Batch: 2402056	
Benzene	ND	0.0250	1	01/11/24	01/12/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/12/24	
Toluene	ND	0.0250	1	01/11/24	01/12/24	
o-Xylene	ND	0.0250	1	01/11/24	01/12/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/12/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/12/24	
Surrogate: 4-Bromochlorobenzene-PID	91.4 %	70-130		01/11/24	01/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS		Batch: 2402056	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.1 %	70-130		01/11/24	01/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2402052	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/24	01/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/24	01/12/24	
Surrogate: n-Nonane	104 %	50-200		01/11/24	01/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2402058	
Chloride	83.5	20.0	1	01/11/24	01/11/24	



Sample Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported: 1/12/2024 5:13:27PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

Sw 10-3'

E401043-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS		Batch: 2402056	
Benzene	ND	0.0250	1	01/11/24	01/12/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/12/24	
Toluene	ND	0.0250	1	01/11/24	01/12/24	
o-Xylene	ND	0.0250	1	01/11/24	01/12/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/12/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/12/24	
Surrogate: 4-Bromochlorobenzene-PID	91.5 %	70-130		01/11/24	01/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS		Batch: 2402056	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.4 %	70-130		01/11/24	01/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2402052	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/24	01/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/24	01/12/24	
Surrogate: n-Nonane	101 %	50-200		01/11/24	01/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2402058	
Chloride	84.9	20.0	1	01/11/24	01/11/24	



Sample Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported: 1/12/2024 5:13:27PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

Sw 11-2'

E401043-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS		Batch: 2402056	
Benzene	ND	0.0250	1	01/11/24	01/12/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/12/24	
Toluene	ND	0.0250	1	01/11/24	01/12/24	
o-Xylene	ND	0.0250	1	01/11/24	01/12/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/12/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/12/24	
Surrogate: 4-Bromochlorobenzene-PID	90.7 %	70-130		01/11/24	01/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS		Batch: 2402056	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.2 %	70-130		01/11/24	01/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2402052	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/24	01/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/24	01/12/24	
Surrogate: n-Nonane	99.5 %	50-200		01/11/24	01/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2402058	
Chloride	87.6	20.0	1	01/11/24	01/11/24	



QC Summary Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/12/2024 5:13:27PM

Volatile Organics by EPA 8021B

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2402056-BLK1) Prepared: 01/11/24 Analyzed: 01/11/24

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	7.52		8.00		94.0	70-130			

LCS (2402056-BS1) Prepared: 01/11/24 Analyzed: 01/11/24

Benzene	4.82	0.0250	5.00		96.5	70-130			
Ethylbenzene	4.81	0.0250	5.00		96.1	70-130			
Toluene	4.85	0.0250	5.00		96.9	70-130			
o-Xylene	4.83	0.0250	5.00		96.6	70-130			
p,m-Xylene	9.81	0.0500	10.0		98.1	70-130			
Total Xylenes	14.6	0.0250	15.0		97.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.5	70-130			

Matrix Spike (2402056-MS1) Source: E401043-06 Prepared: 01/11/24 Analyzed: 01/11/24

Benzene	4.78	0.0250	5.00	ND	95.7	54-133			
Ethylbenzene	4.74	0.0250	5.00	ND	94.9	61-133			
Toluene	4.80	0.0250	5.00	ND	96.0	61-130			
o-Xylene	4.77	0.0250	5.00	ND	95.3	63-131			
p,m-Xylene	9.67	0.0500	10.0	ND	96.7	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	96.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.48		8.00		93.4	70-130			

Matrix Spike Dup (2402056-MSD1) Source: E401043-06 Prepared: 01/11/24 Analyzed: 01/11/24

Benzene	4.79	0.0250	5.00	ND	95.8	54-133	0.189	20	
Ethylbenzene	4.76	0.0250	5.00	ND	95.2	61-133	0.363	20	
Toluene	4.82	0.0250	5.00	ND	96.3	61-130	0.320	20	
o-Xylene	4.78	0.0250	5.00	ND	95.6	63-131	0.262	20	
p,m-Xylene	9.70	0.0500	10.0	ND	97.0	63-131	0.238	20	
Total Xylenes	14.5	0.0250	15.0	ND	96.5	63-131	0.246	20	
Surrogate: 4-Bromochlorobenzene-PID	7.43		8.00		92.9	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/12/2024 5:13:27PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2402056-BLK1) Prepared: 01/11/24 Analyzed: 01/11/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.65		8.00		95.7	70-130			

LCS (2402056-BS2) Prepared: 01/11/24 Analyzed: 01/11/24

Gasoline Range Organics (C6-C10)	45.3	20.0	50.0		90.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		8.00		96.5	70-130			

Matrix Spike (2402056-MS2) Source: E401043-06 Prepared: 01/11/24 Analyzed: 01/11/24

Gasoline Range Organics (C6-C10)	44.7	20.0	50.0	ND	89.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.78		8.00		97.2	70-130			

Matrix Spike Dup (2402056-MSD2) Source: E401043-06 Prepared: 01/11/24 Analyzed: 01/11/24

Gasoline Range Organics (C6-C10)	46.4	20.0	50.0	ND	92.9	70-130	3.86	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.8	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/12/2024 5:13:27PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2402052-BLK1) Prepared: 01/11/24 Analyzed: 01/11/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.2		50.0		100	50-200			

LCS (2402052-BS1) Prepared: 01/11/24 Analyzed: 01/11/24

Diesel Range Organics (C10-C28)	250	25.0	250		99.9	38-132			
Surrogate: n-Nonane	50.6		50.0		101	50-200			

Matrix Spike (2402052-MS1) Source: E401043-02 Prepared: 01/11/24 Analyzed: 01/11/24

Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.3	38-132			
Surrogate: n-Nonane	47.4		50.0		94.8	50-200			

Matrix Spike Dup (2402052-MSD1) Source: E401043-02 Prepared: 01/11/24 Analyzed: 01/11/24

Diesel Range Organics (C10-C28)	254	25.0	250	ND	102	38-132	2.39	20	
Surrogate: n-Nonane	53.1		50.0		106	50-200			



QC Summary Data

Tap Rock	Project Name:	Jackson Unit 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/12/2024 5:13:27PM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2402058-BLK1)					Prepared: 01/11/24 Analyzed: 01/11/24				
Chloride	ND	20.0							
LCS (2402058-BS1)					Prepared: 01/11/24 Analyzed: 01/11/24				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2402058-MS1)					Source: E401043-02		Prepared: 01/11/24 Analyzed: 01/11/24		
Chloride	249	20.0	250	ND	99.7	80-120			
Matrix Spike Dup (2402058-MSD1)					Source: E401043-02		Prepared: 01/11/24 Analyzed: 01/11/24		
Chloride	258	20.0	250	ND	103	80-120	3.60	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

Tap Rock	Project Name:	Jackson Unit 922H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	01/12/24 17:13

- 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.



Client: <u>Dep Rock</u> Project: <u>Jackson Unit 922H.</u> Project Manager: Address: City, State, Zip Phone: Email: Report due by:				Bill To Attention: ENERGY STAFFING SERVICES Address: 2724 NW COUNTY RD City, State, Zip HOBBS, NM 88240 Phone: 575-393-9048 Email: NATALIE@ENERGYSTAFFINGLLC.COM BRITTNEY@ENERGYSTAFFINGLLC.COM				Lab Use Only Lab WO# <u>E 401043</u> Job Number <u>20046-0001</u> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>1D</th> <th>2D</th> <th>3D</th> <th>Standard</th> <th>CWA</th> <th>SDWA</th> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				1D	2D	3D	Standard	CWA	SDWA		<input checked="" type="checkbox"/>				
1D	2D	3D	Standard	CWA	SDWA																		
	<input checked="" type="checkbox"/>																						
				TAT				EPA Program															
				Analysis and Method				State															
				DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX				NM CO UT AZ TX															
				Remarks																			

Time Sampled	Date Sampled	Matrix	No of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
	1/9/2024	S.	1	SP 1E-28'	1									
				sw 1-2'	2									
				sw 2.-2'	3									
				sw 3.-2'	4									
				sw 4.-2'	5									
				sw 5.-3'	6									
				sw 6.-3'	7									
				sw 7.-2'	8									
				sw 8.-2'	9									
	1/9/2024	S	1	sw 9-2'	10									

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.
 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 6 °C on subsequent days.

Sampled by: [Signature]

Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only	
<u>[Signature]</u>		1/9/2024		<u>[Signature]</u>		1-10-24	1250	Received on ice: <input checked="" type="radio"/> Y / N	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3	
<u>[Signature]</u>		1-10-24	1545	<u>[Signature]</u>		1-10-24	1645		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C	
<u>[Signature]</u>		1-10-24	2245	<u>[Signature]</u>		1-11-24	0715	4	

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.



Envirotech Analytical Laboratory

Printed: 1/11/2024 1:13:22PM

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:	Tap Rock	Date Received:	01/11/24 07:15	Work Order ID:	E401043
Phone:	(575) 390-6397	Date Logged In:	01/10/24 15:56	Logged In By:	Alexa Michaels
Email:	natalie@energystaffingllc.com	Due Date:	01/12/24 17:00 (1 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Project manager and time sampled is not documented on the COC by client.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the 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 sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC 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 non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

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

Date



envirotech Inc.

JACKSON UNIT #922H
DELINEATION SITE PHOTOS









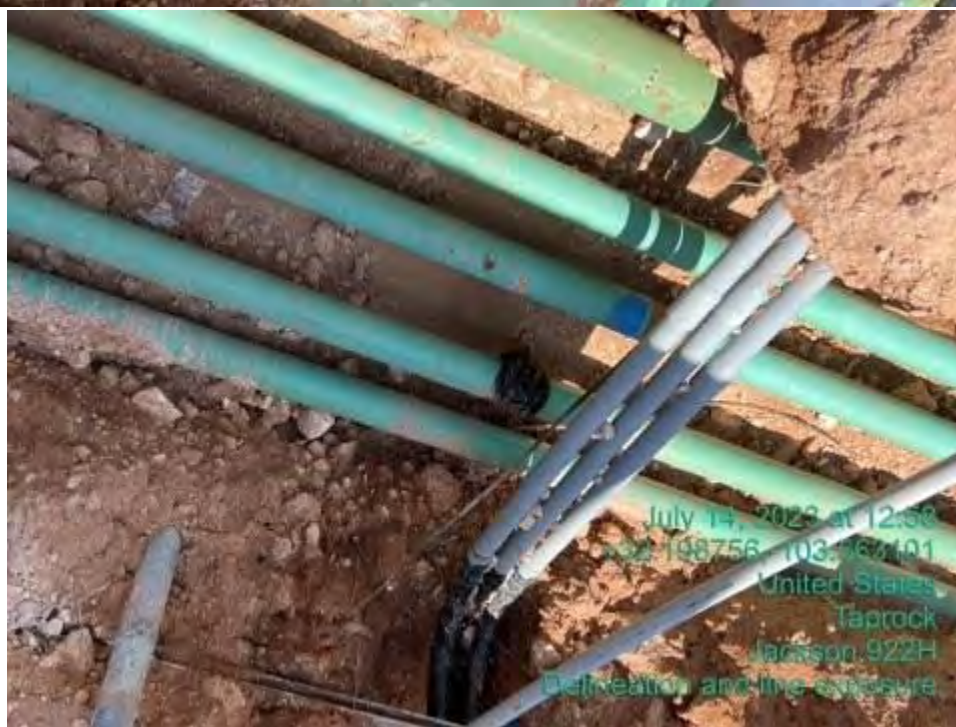




































Natalie Gladden

From: OCDOnline@state.nm.us
Sent: Tuesday, January 23, 2024 1:54 PM
To: Natalie Gladden
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 306896

To whom it may concern (c/o Natalie Gladden for TAP ROCK OPERATING, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2319832978.

The sampling event is expected to take place:

When: 07/10/2023 @ 07:00

Where: N-22-24S-33E 0 FNL 0 FEL (32.198798,-103.563222)

Additional Information: PLEASE CONTACT NATALIE GLADDEN 5753906397

Additional Instructions: JACKSON 922H

GPS 32.198798 -103.563222

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

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

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

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive

Santa Fe, NM 87505

Company Name: TAPROCK**Location Name:** JACKSON 922H**Release Date:**

SP ID	Depth	Titre	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Soil
COMP1	2	80	L	ND	ND	ND	ND	ND	87.3	
COMP2	2	80	L	ND	ND	ND	ND	ND	83.3	
COMP3	2	80	L	ND	ND	ND	ND	ND	ND	
COMP4	2	80	L	ND	ND	ND	ND	ND	ND	
COMP5	16	80	L	ND	ND	ND	ND	ND	ND	
COMP6	2	80	L	ND	ND	ND	ND	ND	ND	
COMP7	2	80	L	ND	ND	ND	ND	ND	ND	
COMP8	2	80	L	ND	ND	ND	ND	ND	ND	
COMP9	14	160	L	ND	ND	ND	ND	ND	ND	
COMP10	2	80	L	ND	ND	ND	ND	ND	ND	
SWCOMP1	2	80	L	ND	ND	ND	ND	ND	ND	
SWCOMP2	2	80	L	ND	ND	ND	ND	ND	ND	
SWCOMP3	2	80	L	ND	ND	ND	ND	ND	ND	
SWCOMP4	2	80	L	ND	ND	ND	ND	ND	ND	
SWCOMP5	12	80	L	ND	ND	ND	ND	ND	ND	
SWCOMP6	2	80	L	ND	ND	ND	ND	ND	ND	

SWCOMP7	2	80	L	ND	ND	ND	ND	ND	ND	

Jackson 922H
- 2000 SQ. FT
- 10 Composites

Legend

- ⊙ Composite #
- JACKSON 922H 2000 SQ. FT.



CLIENTS	TAP ROCK
LOCATION	Jackson 922H

SAMPLE ID	LAT	LONG
Composite 1	32;11'55.67"N	103;33'47.64"W
Composite 2	32;11'55.68"N	103;33'47.53"W
Composite 3	32;11'55.66"N	103;33'47.42"W
Composite 4	32;11'55.72"N	103;33'47.28"W
Composite 5	32;11'55.50"N	103;33'47.37"W
Composite 6	32;11'55.45"N	103;33'47.47"W
Composite 7	32;11'55.25"N	103;33'47.42"W
Composite 8	32;11'55.27"N	103;33'47.31"W
Composite 9	32;11'55.14"N	103;33'47.27"W
Composite 10	32;11'55.19"N	103;33'47.09"W

TAP ROCK
JACKSON UNIT #922H
SIDEWALL COMPOSITE MAP

Legend

- EXCAVATION AREA
- SIDEWALL COMPOSITES

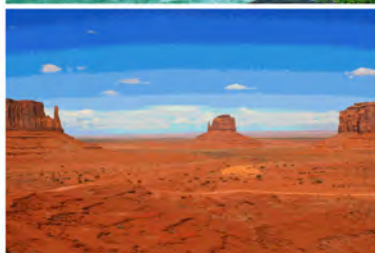


COMPANY: TAP ROCK

LOCATION: JACKSON UNIT #922H

POINT	LATITUDE	LONGITUDE
CSW1	32.198831°	-103.563221°
CSW2	32.198808°	-103.563087°
CSW3	32.198756°	-103.563126°
CSW4	32.198687°	-103.563067°
CSW5	32.198629°	-103.563147°
CSW6	32.198692°	-103.563194°
CSW7	32.198773°	-103.563203°

Report to:
Natalie Gladden



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Tap Rock

Project Name: Jackson 922H

Work Order: E401178

Job Number: 20046-0001

Received: 1/27/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/30/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 1/30/24

Natalie Gladden
7 W. Compress Road
Artesia, NM 88210



Project Name: Jackson 922H
Workorder: E401178
Date Received: 1/27/2024 8:30:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/27/2024 8:30:00AM, under the Project Name: Jackson 922H.

The analytical test results summarized in this report with the Project Name: Jackson 922H 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 regarding 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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Laboratory Administrator
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Sample Summary

Tap Rock	Project Name:	Jackson 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	01/30/24 13:50

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
COMP1-2'	E401178-01A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
COMP2-2'	E401178-02A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
COMP3-2'	E401178-03A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
COMP4-2'	E401178-04A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
COMP5-16'	E401178-05A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
COMP6-2'	E401178-06A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
COMP7-2'	E401178-07A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
COMP8-2'	E401178-08A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
COMP9-14'	E401178-09A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
COMP10-2'	E401178-10A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
SWCOMP1-2'	E401178-11A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
SWCOMP2-2'	E401178-12A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
SWCOMP3-2'	E401178-13A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
SWCOMP4-2'	E401178-14A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
SWCOMP5-12'	E401178-15A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
SWCOMP6-2'	E401178-16A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
SWCOMP7-2'	E401178-17A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 1/30/2024 1:50:09PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

COMP1-2'
E401178-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG		Batch: 2404068	
Benzene	ND	0.0250	1	01/27/24	01/28/24	
Ethylbenzene	ND	0.0250	1	01/27/24	01/28/24	
Toluene	ND	0.0250	1	01/27/24	01/28/24	
o-Xylene	ND	0.0250	1	01/27/24	01/28/24	
p,m-Xylene	ND	0.0500	1	01/27/24	01/28/24	
Total Xylenes	ND	0.0250	1	01/27/24	01/28/24	
Surrogate: 4-Bromochlorobenzene-PID	94.8 %	70-130		01/27/24	01/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG		Batch: 2404068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/24	01/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.9 %	70-130		01/27/24	01/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2404072	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/27/24	01/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/27/24	01/28/24	
Surrogate: n-Nonane	81.9 %	50-200		01/27/24	01/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2404069	
Chloride	87.3	20.0	1	01/27/24	01/28/24	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 1/30/2024 1:50:09PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

COMP2-2'
E401178-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG		Batch: 2404068	
Benzene	ND	0.0250	1	01/27/24	01/28/24	
Ethylbenzene	ND	0.0250	1	01/27/24	01/28/24	
Toluene	ND	0.0250	1	01/27/24	01/28/24	
o-Xylene	ND	0.0250	1	01/27/24	01/28/24	
p,m-Xylene	ND	0.0500	1	01/27/24	01/28/24	
Total Xylenes	ND	0.0250	1	01/27/24	01/28/24	
Surrogate: 4-Bromochlorobenzene-PID	94.2 %	70-130		01/27/24	01/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG		Batch: 2404068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/24	01/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.2 %	70-130		01/27/24	01/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2404072	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/27/24	01/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/27/24	01/28/24	
Surrogate: n-Nonane	83.0 %	50-200		01/27/24	01/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2404069	
Chloride	83.3	20.0	1	01/27/24	01/28/24	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 1/30/2024 1:50:09PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

COMP3-2'
E401178-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG		Batch: 2404068	
Benzene	ND	0.0250	1	01/27/24	01/28/24	
Ethylbenzene	ND	0.0250	1	01/27/24	01/28/24	
Toluene	ND	0.0250	1	01/27/24	01/28/24	
o-Xylene	ND	0.0250	1	01/27/24	01/28/24	
p,m-Xylene	ND	0.0500	1	01/27/24	01/28/24	
Total Xylenes	ND	0.0250	1	01/27/24	01/28/24	
Surrogate: 4-Bromochlorobenzene-PID	94.4 %	70-130		01/27/24	01/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG		Batch: 2404068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/24	01/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.5 %	70-130		01/27/24	01/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2404072	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/27/24	01/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/27/24	01/28/24	
Surrogate: n-Nonane	83.4 %	50-200		01/27/24	01/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2404069	
Chloride	ND	100	5	01/27/24	01/28/24	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 1/30/2024 1:50:09PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

COMP4-2'
E401178-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2404068	
Benzene	ND	0.0250	1	01/27/24	01/28/24	
Ethylbenzene	ND	0.0250	1	01/27/24	01/28/24	
Toluene	ND	0.0250	1	01/27/24	01/28/24	
o-Xylene	ND	0.0250	1	01/27/24	01/28/24	
p,m-Xylene	ND	0.0500	1	01/27/24	01/28/24	
Total Xylenes	ND	0.0250	1	01/27/24	01/28/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.5 %	70-130		01/27/24	01/28/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2404068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/24	01/28/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.7 %	70-130		01/27/24	01/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2404072	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/27/24	01/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/27/24	01/28/24	
<i>Surrogate: n-Nonane</i>						
	79.4 %	50-200		01/27/24	01/28/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2404069	
Chloride	ND	100	5	01/27/24	01/28/24	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 1/30/2024 1:50:09PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

COMP5-16'
E401178-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2404068	
Benzene	ND	0.0250	1	01/27/24	01/28/24	
Ethylbenzene	ND	0.0250	1	01/27/24	01/28/24	
Toluene	ND	0.0250	1	01/27/24	01/28/24	
o-Xylene	ND	0.0250	1	01/27/24	01/28/24	
p,m-Xylene	ND	0.0500	1	01/27/24	01/28/24	
Total Xylenes	ND	0.0250	1	01/27/24	01/28/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.4 %	70-130		01/27/24	01/28/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2404068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/24	01/28/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		01/27/24	01/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2404072	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/27/24	01/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/27/24	01/28/24	
<i>Surrogate: n-Nonane</i>						
	80.5 %	50-200		01/27/24	01/28/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2404069	
Chloride	ND	100	5	01/27/24	01/28/24	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 1/30/2024 1:50:09PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

COMP6-2'
E401178-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG		Batch: 2404068	
Benzene	ND	0.0250	1	01/27/24	01/28/24	
Ethylbenzene	ND	0.0250	1	01/27/24	01/28/24	
Toluene	ND	0.0250	1	01/27/24	01/28/24	
o-Xylene	ND	0.0250	1	01/27/24	01/28/24	
p,m-Xylene	ND	0.0500	1	01/27/24	01/28/24	
Total Xylenes	ND	0.0250	1	01/27/24	01/28/24	
Surrogate: 4-Bromochlorobenzene-PID	96.5 %	70-130		01/27/24	01/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG		Batch: 2404068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/24	01/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.2 %	70-130		01/27/24	01/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2404072	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/27/24	01/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/27/24	01/28/24	
Surrogate: n-Nonane	81.1 %	50-200		01/27/24	01/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2404069	
Chloride	ND	100	5	01/27/24	01/28/24	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 1/30/2024 1:50:09PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

COMP7-2'
E401178-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2404068	
Benzene	ND	0.0250	1	01/27/24	01/28/24	
Ethylbenzene	ND	0.0250	1	01/27/24	01/28/24	
Toluene	ND	0.0250	1	01/27/24	01/28/24	
o-Xylene	ND	0.0250	1	01/27/24	01/28/24	
p,m-Xylene	ND	0.0500	1	01/27/24	01/28/24	
Total Xylenes	ND	0.0250	1	01/27/24	01/28/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.1 %	70-130		01/27/24	01/28/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2404068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/24	01/28/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.9 %	70-130		01/27/24	01/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2404072	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/27/24	01/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/27/24	01/28/24	
<i>Surrogate: n-Nonane</i>						
	84.1 %	50-200		01/27/24	01/28/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2404069	
Chloride	ND	100	5	01/27/24	01/28/24	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 1/30/2024 1:50:09PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

COMP8-2'
E401178-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG		Batch: 2404068	
Benzene	ND	0.0250	1	01/27/24	01/28/24	
Ethylbenzene	ND	0.0250	1	01/27/24	01/28/24	
Toluene	ND	0.0250	1	01/27/24	01/28/24	
o-Xylene	ND	0.0250	1	01/27/24	01/28/24	
p,m-Xylene	ND	0.0500	1	01/27/24	01/28/24	
Total Xylenes	ND	0.0250	1	01/27/24	01/28/24	
Surrogate: 4-Bromochlorobenzene-PID	94.0 %	70-130		01/27/24	01/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG		Batch: 2404068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/24	01/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.3 %	70-130		01/27/24	01/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2404072	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/27/24	01/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/27/24	01/28/24	
Surrogate: n-Nonane	81.5 %	50-200		01/27/24	01/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2404069	
Chloride	ND	100	5	01/27/24	01/28/24	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 1/30/2024 1:50:09PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

COMP9-14'
E401178-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG		Batch: 2404068	
Benzene	ND	0.0250	1	01/27/24	01/28/24	
Ethylbenzene	ND	0.0250	1	01/27/24	01/28/24	
Toluene	ND	0.0250	1	01/27/24	01/28/24	
o-Xylene	ND	0.0250	1	01/27/24	01/28/24	
p,m-Xylene	ND	0.0500	1	01/27/24	01/28/24	
Total Xylenes	ND	0.0250	1	01/27/24	01/28/24	
Surrogate: 4-Bromochlorobenzene-PID	93.4 %	70-130		01/27/24	01/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG		Batch: 2404068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/24	01/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.8 %	70-130		01/27/24	01/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2404072	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/27/24	01/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/27/24	01/28/24	
Surrogate: n-Nonane	81.6 %	50-200		01/27/24	01/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2404069	
Chloride	ND	100	5	01/27/24	01/28/24	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 1/30/2024 1:50:09PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

COMP10-2'
E401178-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG		Batch: 2404068	
Benzene	ND	0.0250	1	01/27/24	01/28/24	
Ethylbenzene	ND	0.0250	1	01/27/24	01/28/24	
Toluene	ND	0.0250	1	01/27/24	01/28/24	
o-Xylene	ND	0.0250	1	01/27/24	01/28/24	
p,m-Xylene	ND	0.0500	1	01/27/24	01/28/24	
Total Xylenes	ND	0.0250	1	01/27/24	01/28/24	
Surrogate: 4-Bromochlorobenzene-PID	93.1 %	70-130		01/27/24	01/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG		Batch: 2404068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/24	01/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.9 %	70-130		01/27/24	01/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2404072	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/27/24	01/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/27/24	01/28/24	
Surrogate: n-Nonane	81.7 %	50-200		01/27/24	01/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2404069	
Chloride	ND	100	5	01/27/24	01/28/24	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 1/30/2024 1:50:09PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SWCOMP1-2'
E401178-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG		Batch: 2404068	
Benzene	ND	0.0250	1	01/27/24	01/28/24	
Ethylbenzene	ND	0.0250	1	01/27/24	01/28/24	
Toluene	ND	0.0250	1	01/27/24	01/28/24	
o-Xylene	ND	0.0250	1	01/27/24	01/28/24	
p,m-Xylene	ND	0.0500	1	01/27/24	01/28/24	
Total Xylenes	ND	0.0250	1	01/27/24	01/28/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.1 %	70-130		01/27/24	01/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG		Batch: 2404068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/24	01/28/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.7 %	70-130		01/27/24	01/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2404072	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/27/24	01/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/27/24	01/28/24	
<i>Surrogate: n-Nonane</i>						
	82.2 %	50-200		01/27/24	01/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2404069	
Chloride	ND	100	5	01/27/24	01/28/24	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 1/30/2024 1:50:09PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SWCOMP2-2'
E401178-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG		Batch: 2404068	
Benzene	ND	0.0250	1	01/27/24	01/28/24	
Ethylbenzene	ND	0.0250	1	01/27/24	01/28/24	
Toluene	ND	0.0250	1	01/27/24	01/28/24	
o-Xylene	ND	0.0250	1	01/27/24	01/28/24	
p,m-Xylene	ND	0.0500	1	01/27/24	01/28/24	
Total Xylenes	ND	0.0250	1	01/27/24	01/28/24	
Surrogate: 4-Bromochlorobenzene-PID	92.7 %	70-130		01/27/24	01/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG		Batch: 2404068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/24	01/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.6 %	70-130		01/27/24	01/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2404072	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/27/24	01/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/27/24	01/28/24	
Surrogate: n-Nonane	85.6 %	50-200		01/27/24	01/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2404069	
Chloride	ND	100	5	01/27/24	01/28/24	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 1/30/2024 1:50:09PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SWCOMP3-2'
E401178-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG		Batch: 2404068	
Benzene	ND	0.0250	1	01/27/24	01/28/24	
Ethylbenzene	ND	0.0250	1	01/27/24	01/28/24	
Toluene	ND	0.0250	1	01/27/24	01/28/24	
o-Xylene	ND	0.0250	1	01/27/24	01/28/24	
p,m-Xylene	ND	0.0500	1	01/27/24	01/28/24	
Total Xylenes	ND	0.0250	1	01/27/24	01/28/24	
Surrogate: 4-Bromochlorobenzene-PID	92.2 %	70-130		01/27/24	01/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG		Batch: 2404068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/24	01/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.0 %	70-130		01/27/24	01/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2404072	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/27/24	01/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/27/24	01/28/24	
Surrogate: n-Nonane	84.9 %	50-200		01/27/24	01/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2404069	
Chloride	ND	100	5	01/27/24	01/28/24	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 1/30/2024 1:50:09PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SWCOMP4-2'
E401178-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG		Batch: 2404068	
Benzene	ND	0.0250	1	01/27/24	01/29/24	
Ethylbenzene	ND	0.0250	1	01/27/24	01/29/24	
Toluene	ND	0.0250	1	01/27/24	01/29/24	
o-Xylene	ND	0.0250	1	01/27/24	01/29/24	
p,m-Xylene	ND	0.0500	1	01/27/24	01/29/24	
Total Xylenes	ND	0.0250	1	01/27/24	01/29/24	
Surrogate: 4-Bromochlorobenzene-PID	93.0 %	70-130		01/27/24	01/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG		Batch: 2404068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/24	01/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.7 %	70-130		01/27/24	01/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2404072	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/27/24	01/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/27/24	01/28/24	
Surrogate: n-Nonane	83.8 %	50-200		01/27/24	01/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2404069	
Chloride	ND	100	5	01/27/24	01/28/24	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 1/30/2024 1:50:09PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SWCOMP5-12'

E401178-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG		Batch: 2404068	
Benzene	ND	0.0250	1	01/27/24	01/29/24	
Ethylbenzene	ND	0.0250	1	01/27/24	01/29/24	
Toluene	ND	0.0250	1	01/27/24	01/29/24	
o-Xylene	ND	0.0250	1	01/27/24	01/29/24	
p,m-Xylene	ND	0.0500	1	01/27/24	01/29/24	
Total Xylenes	ND	0.0250	1	01/27/24	01/29/24	
Surrogate: 4-Bromochlorobenzene-PID	92.8 %	70-130		01/27/24	01/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG		Batch: 2404068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/24	01/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.7 %	70-130		01/27/24	01/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2404072	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/27/24	01/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/27/24	01/28/24	
Surrogate: n-Nonane	84.5 %	50-200		01/27/24	01/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2404069	
Chloride	ND	100	5	01/27/24	01/28/24	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 1/30/2024 1:50:09PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SWCOMP6-2'
E401178-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG		Batch: 2404068	
Benzene	ND	0.0250	1	01/27/24	01/29/24	
Ethylbenzene	ND	0.0250	1	01/27/24	01/29/24	
Toluene	ND	0.0250	1	01/27/24	01/29/24	
o-Xylene	ND	0.0250	1	01/27/24	01/29/24	
p,m-Xylene	ND	0.0500	1	01/27/24	01/29/24	
Total Xylenes	ND	0.0250	1	01/27/24	01/29/24	
Surrogate: 4-Bromochlorobenzene-PID	92.9 %	70-130		01/27/24	01/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG		Batch: 2404068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/24	01/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.2 %	70-130		01/27/24	01/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2404072	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/27/24	01/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/27/24	01/28/24	
Surrogate: n-Nonane	83.4 %	50-200		01/27/24	01/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2404069	
Chloride	ND	100	5	01/27/24	01/28/24	



Sample Data

Tap Rock	Project Name:	Jackson 922H	Reported: 1/30/2024 1:50:09PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SWCOMP7-2'

E401178-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2404068	
Benzene	ND	0.0250	1	01/27/24	01/29/24	
Ethylbenzene	ND	0.0250	1	01/27/24	01/29/24	
Toluene	ND	0.0250	1	01/27/24	01/29/24	
o-Xylene	ND	0.0250	1	01/27/24	01/29/24	
p,m-Xylene	ND	0.0500	1	01/27/24	01/29/24	
Total Xylenes	ND	0.0250	1	01/27/24	01/29/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.3 %	70-130		01/27/24	01/29/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2404068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/24	01/29/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.8 %	70-130		01/27/24	01/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2404072	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/27/24	01/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/27/24	01/29/24	
<i>Surrogate: n-Nonane</i>						
	85.5 %	50-200		01/27/24	01/29/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2404069	
Chloride	ND	100	5	01/27/24	01/28/24	



QC Summary Data

Tap Rock	Project Name:	Jackson 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/30/2024 1:50:09PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2404068-BLK1) Prepared: 01/27/24 Analyzed: 01/28/24

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	7.60		8.00		95.0	70-130			

LCS (2404068-BS1) Prepared: 01/27/24 Analyzed: 01/28/24

Benzene	4.87	0.0250	5.00		97.4	70-130			
Ethylbenzene	4.83	0.0250	5.00		96.7	70-130			
Toluene	4.88	0.0250	5.00		97.5	70-130			
o-Xylene	4.83	0.0250	5.00		96.6	70-130			
p,m-Xylene	9.86	0.0500	10.0		98.6	70-130			
Total Xylenes	14.7	0.0250	15.0		97.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.73		8.00		96.6	70-130			

Matrix Spike (2404068-MS1) Source: E401178-06 Prepared: 01/27/24 Analyzed: 01/28/24

Benzene	5.07	0.0250	5.00	ND	101	54-133			
Ethylbenzene	5.02	0.0250	5.00	ND	100	61-133			
Toluene	5.08	0.0250	5.00	ND	102	61-130			
o-Xylene	5.03	0.0250	5.00	ND	101	63-131			
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131			
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.68		8.00		96.0	70-130			

Matrix Spike Dup (2404068-MSD1) Source: E401178-06 Prepared: 01/27/24 Analyzed: 01/28/24

Benzene	4.63	0.0250	5.00	ND	92.7	54-133	8.90	20	
Ethylbenzene	4.60	0.0250	5.00	ND	91.9	61-133	8.75	20	
Toluene	4.65	0.0250	5.00	ND	92.9	61-130	8.85	20	
o-Xylene	4.62	0.0250	5.00	ND	92.4	63-131	8.48	20	
p,m-Xylene	9.38	0.0500	10.0	ND	93.8	63-131	8.60	20	
Total Xylenes	14.0	0.0250	15.0	ND	93.3	63-131	8.56	20	
Surrogate: 4-Bromochlorobenzene-PID	7.67		8.00		95.9	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/30/2024 1:50:09PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2404068-BLK1) Prepared: 01/27/24 Analyzed: 01/28/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		8.00		96.9	70-130			

LCS (2404068-BS2) Prepared: 01/27/24 Analyzed: 01/28/24

Gasoline Range Organics (C6-C10)	51.1	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.3	70-130			

Matrix Spike (2404068-MS2) Source: E401178-06 Prepared: 01/27/24 Analyzed: 01/28/24

Gasoline Range Organics (C6-C10)	48.2	20.0	50.0	ND	96.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.79		8.00		97.4	70-130			

Matrix Spike Dup (2404068-MSD2) Source: E401178-06 Prepared: 01/27/24 Analyzed: 01/28/24

Gasoline Range Organics (C6-C10)	52.2	20.0	50.0	ND	104	70-130	7.88	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		97.0	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/30/2024 1:50:09PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2404072-BLK1)					Prepared: 01/27/24 Analyzed: 01/28/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	39.1		50.0		78.2	50-200			

LCS (2404072-BS1)					Prepared: 01/27/24 Analyzed: 01/28/24				
Diesel Range Organics (C10-C28)	205	25.0	250		82.0	38-132			
Surrogate: n-Nonane	40.0		50.0		80.0	50-200			

Matrix Spike (2404072-MS1)					Source: E401178-10		Prepared: 01/27/24 Analyzed: 01/28/24		
Diesel Range Organics (C10-C28)	221	25.0	250	ND	88.3	38-132			
Surrogate: n-Nonane	39.8		50.0		79.5	50-200			

Matrix Spike Dup (2404072-MSD1)					Source: E401178-10		Prepared: 01/27/24 Analyzed: 01/28/24		
Diesel Range Organics (C10-C28)	224	25.0	250	ND	89.7	38-132	1.62	20	
Surrogate: n-Nonane	40.4		50.0		80.7	50-200			



QC Summary Data

Tap Rock	Project Name:	Jackson 922H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/30/2024 1:50:09PM

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2404069-BLK1)					Prepared: 01/27/24 Analyzed: 01/28/24				
Chloride	ND	20.0							
LCS (2404069-BS1)					Prepared: 01/27/24 Analyzed: 01/28/24				
Chloride	244	20.0	250		97.5	90-110			
Matrix Spike (2404069-MS1)					Source: E401178-03		Prepared: 01/27/24 Analyzed: 01/28/24		
Chloride	1280	100	250	ND	512	80-120			M4
Matrix Spike Dup (2404069-MSD1)					Source: E401178-03		Prepared: 01/27/24 Analyzed: 01/28/24		
Chloride	1290	100	250	ND	516	80-120	0.731	20	M4

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

Tap Rock	Project Name:	Jackson 922H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	01/30/24 13:50

- 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.



- Rush -

Client: TAPROCK		Bill To		Lab Use Only		TAT		EPA Program						
Project: JACKSON 922H		Attention: ENERGY STAFFING SERVICES		Lab WO# E401178		Job Number 200460001		1D	2D	3D	Standard	CWA	SDWA	
Project Manager: Natalie Gniadden		Address: 2724 NW COUNTY RD		City, State, Zip HOBBS, NM 88240		Analysis and Method						RCRA		
Address:		Phone: 575-393-9048		Email: NATALIE@ENERGYSTAFFINGLLC.COM								State		
City, State, Zip		Email: BRITTNEY@ENERGYSTAFFINGLLC.COM										NM CO UT AZ TX		
Phone:														
Email:														
Report due by:														
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
	01/25/24	S	1	COMP1-2-	1							X		
				COMP2-2-	2									
				COMP3-2-	3									
				COMP4-2-	4									
				COMP5-16-	5									
				COMP6-2-	6									
				COMP7-2-	7									
				COMP8-2-	8									
				COMP9-14-	9									
				COMP10-2-	10									
Additional Instructions:														
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: M. Rivera										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 6 °C on subsequent days.				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received on ice: (Y) N		Lab Use Only				
Michelle Cuyf		01/25/24		Michelle Cuyf		1-26-24	1340	T1		T2	T3			
Michelle Cuyf		1-26-24	1715	Andrew		1-26-24	1715	T1		T2	T3			
Andrew		1-26-24	2300	Andrew		1/27/24	830	T1		T2	T3			
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.														

- RUSH -

Client: TAPROCK		Bill To		Lab Use Only		TAT		EPA Program	
Project: JACKSON 922H		Attention: ENERGY STAFFING SERVICES		Lab WO# E 401178		Job Number 200460001		CWA SDWA	
Project Manager: Natalie Gladden		Address: 2724 NW COUNTY RD		Analysis and Method		1D 2D 3D Standard		RCRA	
Address:		City, State, Zip HOBBS, NM 88240		DRO/ORO by 8015		DRO/ORO by 8015		State	
City, State, Zip		Phone: 575-393-9048		BTX by 8021		VOC by 8260		NM CO UT AZ TX	
Phone:		Email: NATALIE@ENERGYSTAFFINGLLC.COM		Metals 6010		Chloride 300.0		X	
Email:		BRITTNEY@ENERGYSTAFFINGLLC.COM		BGDOC NM		BGDOC TX			
Report due by:								Remarks	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number				
	01/25/24	S	1	SW COMP 1 - 2"	11				X
				SW COMP 2 - 2"	12				
				SW COMP 3 - 2"	13				
				SW COMP 4 - 2"	14				
				SW COMP 5 - 12"	15				
				SW COMP 6 - 2"	16				
	01/25/24	S	1	SW COMP 7 - 2"	17				X
Additional Instructions:									
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						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 6 °C on subsequent days.			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date		Time	
[Signature]		01/25/24		Michelle Ruff		1-26-24		1340	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date		Time	
Michelle Ruff		1-26-24	1715	[Signature]		1-26-24		1715	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date		Time	
Andrew M. So		1-26-24	2300	[Signature]		1/27/24		830	
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.									

Envirotech Analytical Laboratory

Printed: 1/29/2024 3:38:35PM

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:	Tap Rock	Date Received:	01/27/24 08:30	Work Order ID:	E401178
Phone:	(575) 390-6397	Date Logged In:	01/26/24 16:15	Logged In By:	Alexa Michaels
Email:	natalie@energystaffingllc.com	Due Date:	01/29/24 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Time sampled is not documented on the COC by client.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the 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 sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC 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 non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

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

Date



envirotech Inc.

JACKSON UNIT #922H
EXCAVATION SITE PHOTOS

























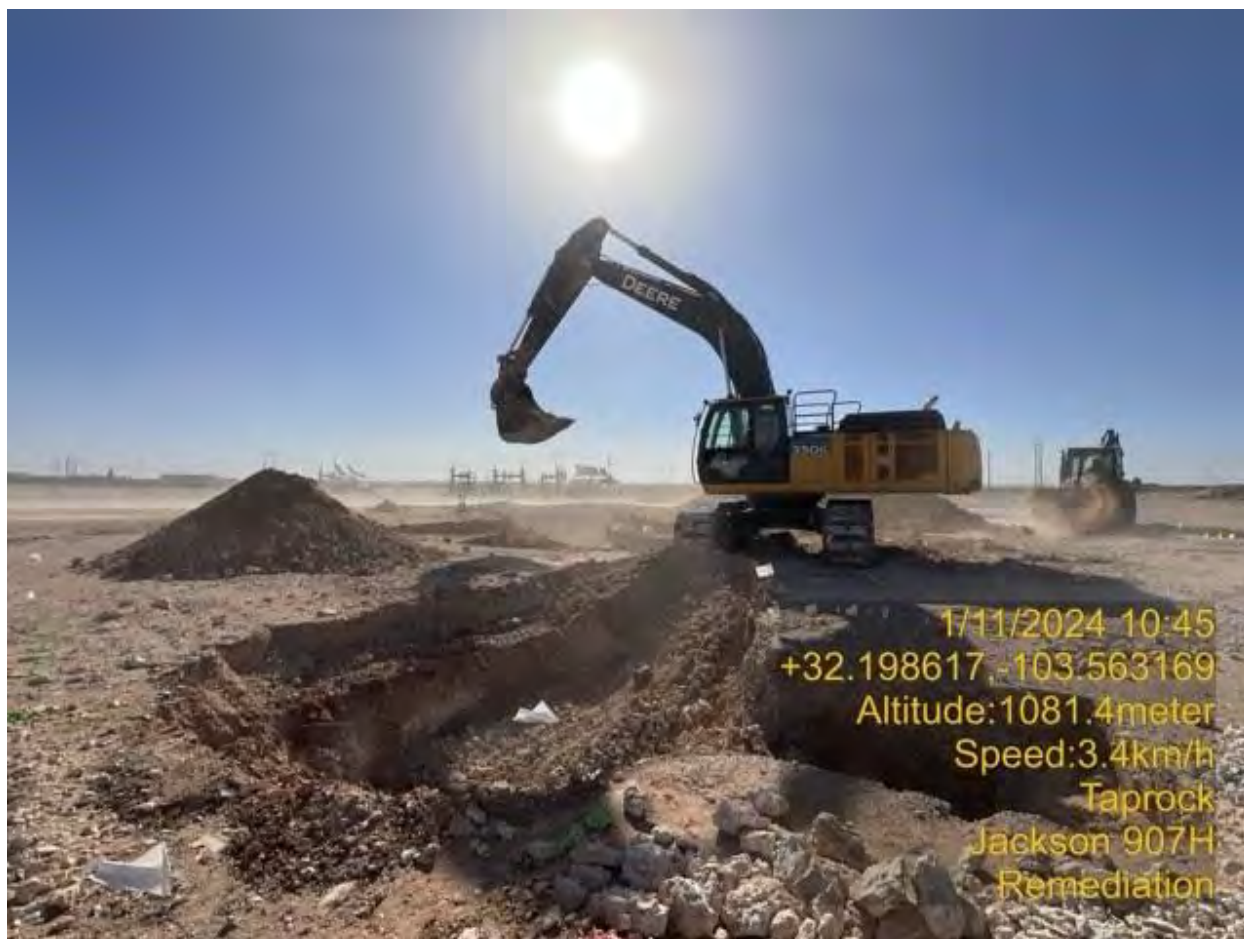


JACKSON UNIT #922H
REMEDIATION SITE PHOTOS







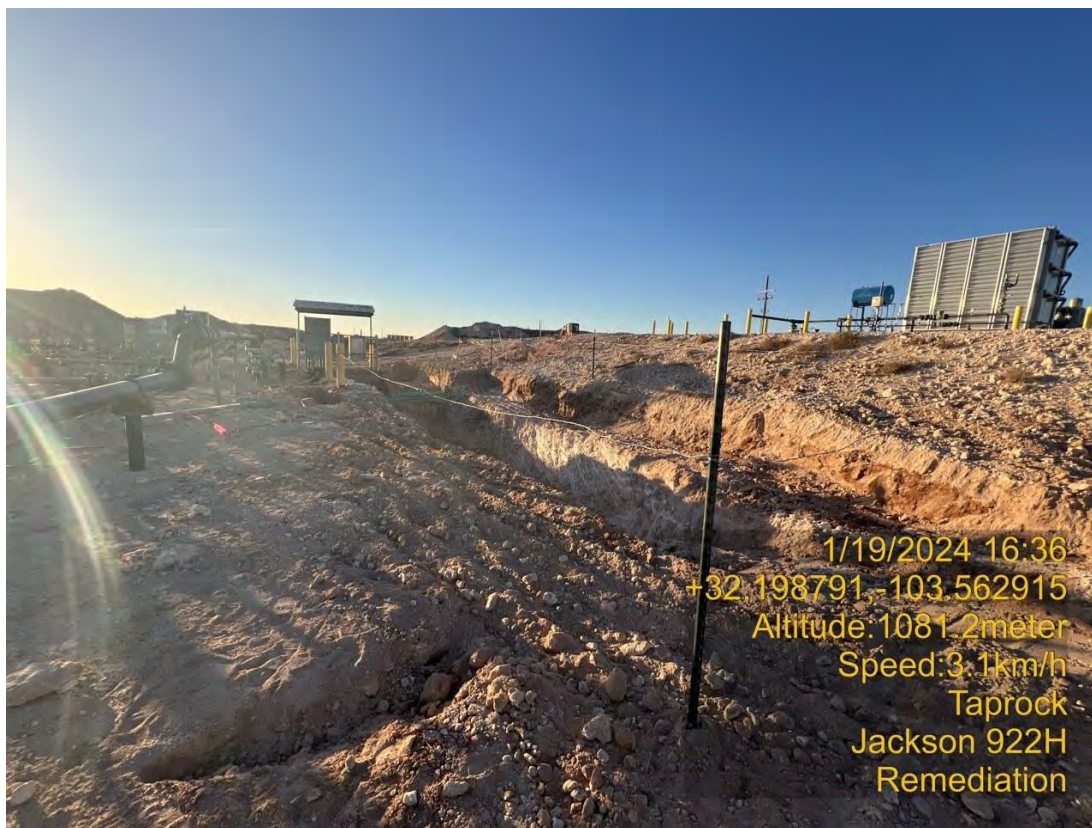




















JACKSON UNIT #922H

FINAL SITE PHOTOS















District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 368200

QUESTIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID:	372043
	Action Number:	368200
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2319832978
Incident Name	NAPP2319832978 JACKSON UNIT #922H @ 30-025-48743
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-48743] JACKSON UNIT #922H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	JACKSON UNIT #922H
Date Release Discovered	07/10/2023
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Flow Line - Production Produced Water Released: 55 BBL Recovered: 0 BBL Lost: 55 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

Action 368200

QUESTIONS (continued)

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID:	372043
	Action Number:	368200
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Natalie Gladden Title: Environmental Email: natalie@energystaffingllc.com Date: 07/30/2024
--	---

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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 3

Action 368200

QUESTIONS (continued)

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID:	372043
	Action Number:	368200
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	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	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 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 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	Yes
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	12/27/2023
On what date will (or did) the final sampling or liner inspection occur	01/25/2024
On what date will (or was) the remediation complete(d)	02/13/2024
What is the estimated surface area (in square feet) that will be remediated	1559
What is the estimated volume (in cubic yards) that will be remediated	700
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.	

District I

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District II

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District III

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District IV

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

QUESTIONS, Page 4

Action 368200

QUESTIONS (continued)

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID:	372043
	Action Number:	368200
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
Is (or was) there affected material present needing to be removed	No
Is (or was) there a power wash of the lined containment area (to be) performed	No
OTHER (Non-listed remedial process)	Yes
Other Non-listed Remedial Process. Please specify	All of the contaminated/impacted soil was excavated and hauled to an approved disposal.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Natalie Gladden Title: Environmental Email: natalie@energystaffingllc.com Date: 07/30/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 6

Action 368200

QUESTIONS (continued)

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 368200
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Liner Inspection Information	
Last liner inspection notification (C-141L) recorded	{Unavailable.}
Was all the impacted materials removed from the liner	Unavailable.

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	Yes
What was the total surface area (in square feet) remediated	2000
What was the total volume (cubic yards) remediated	692
Summarize any additional remediation activities not included by answers (above)	All contaminated soil was excavated and hauled off to Owl Disposal. A total of 692 cy was hauled off and 804 cy of clean caliche and topsoil was purchased from NGL Bonnanno Pit for backfill.

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: Natalie Gladden Title: Environmental Email: natalie@energystaffingllc.com Date: 07/30/2024
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CONDITIONS

Action 368200

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 368200
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	9/6/2024