



**JACKSON UNIT SWD #006
DEFERRAL REQUEST**

**API NO. 30-025-34623
Unit Letter H, Section 21, Township 24S, Range 33E
LEA COUNTY, NEW MEXICO**

**DATE OF RELEASE: UNKOWN
INCIDENT NO. NAPP2307437229**

**01/23/2024
Prepared by:**



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

January 23, 2024

New Mexico Energy, Mineral & Natural Resources
NMOCD District I
C/O Mike Bratcher, Robert Hamlet, Jennifer Nobui & 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/Deferral Request for Tap Rock – Jackson Unit SWD #006

API No. 30-025-34623
Incident ID No. NAPP2307437229
Legal U/L H, Section 21, Township 24 South, Range 33 East
Lea County, New Mexico

To Whom it May Concern:

Tap Rock Operating, retained Energy Staffing Services, LLC (ESS) to conduct a spill assessment for the Jackson Unit SWD #006 (hereafter referred to as the “Jackson 6”) for the crude oil release occurrence is unknown. On March 15th, 2023, ESS provided the immediate notification of the release to the New Mexico Oil Conservation Division (NMOCD), District II Office, via email at 10:05 AM. (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 March 15th, 2023. The NMOCD accepted the C141 as record on same said date at 2:39 PM. The incident number assigned to the release is NAPP2307437229. (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

During a SLO site inspection on March 15th, 2023, it was found that a historical release was located around the pumps and that the liner had been compromised in several areas. It is unknown of the cause or date of the release, so no fluid recovery was able to take place.

ESS was dispatched to the site and conducted an environmental site assessment of the historical release. It was determined after measuring the area of impact that approximately 8.19bbls was released in the lined containment area. 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 6 occurred on State Land and is located at 32.2058563 latitude and -103.5708466 longitude, 24.4 miles northwest of Jal, New Mexico. The legal description of the site is Unit Letter H, Section 21, Township 24 South and Range 33 East. This site is located in Lea County, New Mexico. Please see site schematic attached.

The Jackson 6 consists of production lines and is near production facilities and well pads. The area of the release is inside the lined containment area which is located inside the production facility. The elevation is 3,585 ft. The area is historically or has been primarily dominated by black grama, dropseed and other perennial 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 6 consists of Berino-Cacique Association, Hummocky and Tonuco Loamy Fine Sand, 0-3 percent slopes (Soil Map Attached). In the area of the Jackson 6 the *FEMA National Flood Hazard Layer* indicates that there is 0.2% annual chance of a flood hazard with a 0.1% chance of a 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 6 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 6. 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 6 site. (Attached Watercourse Map).

The nearest and most recent water well to the site according to the *New Mexico Office of the State Engineer* is C04708 POD1, drilled in 2023, 1040' from the site, depth of well is logged at 100'bgs with no groundwater data available. The second well is C03565 POD8, drilled in 2013, 1661' from the site with no well depth or groundwater data available. The third well is C04339 POD7, drilled in 2019, 1783' from the site, with a well depth of 43'bgs and this well data for

groundwater depth is also not available. The fourth well is logged as C04339 POD8, drilled in 2019, 1883' from the site, depth of well shows to be at 30'bgs, with no groundwater data. The closest well with viable groundwater information that is documented belongs to C03662 POD1, drilled in 2013, found to be 2662' from the site, well depth is 550', with groundwater data at 110'bgs. This well has been determined by the OCD to not have accurate information entered into the OSE database for this area's water depth. An extended groundwater search was conducted using the *OSE POD Location Mapping System* and it has been determined that, no well exists within a ½ mile radius of the Jackson release. Please find the NMOSE, OSE POD and the ground water 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 6 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 Evaluation

On March 13th, ESS crews began to remove pea gravel from the liner inside the facility containment and stockpiled on plastic. On March 27th, crews then began to remove the old poly liner from the containment floor and berms. Mon March 28th, ESS arrived on site, set delineation sample points, GPS'd each sample point and began to obtain surface samples. Each surface sample was field tested, logged, then submitted to Envirotech Laboratory for confirmation. A total of 15 vertical sample points were placed along with 8 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 lab analysis.

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
SP1	SURF	400	H	ND	42.9	1110	1130	2240	63.4
	1	320							
	2	320							
	3	400							
	4	800							
	5	1200							
	6	2560							
	7	1600							
	8	1920							
	9	1360							
	10	1120							
	11	1120							
	12	960							

	13	880							
	14	800							
	15	800							
	16	480							
	17	160	L	ND	ND	ND	ND	ND	69.4

SP2	SURF	720	H	8.59	234	15100	9930	25030	870
	1	2000							
	2	1600							
	3	2800							
	4	1600							
	5	1200							
	6	1200							
	7	1040							
	8	1760							
	9	1600							
	10	1440							
	11	1360							
	12	1200							
	13	1120							
	14	960							
	15	800							
	16	640							
	17	560							
	18	400							
	19	160	L	ND	ND	ND	ND	ND	63.7

SP3	SURF	320	H	ND	ND	2120	1730	3850	196
	1	720							
	2	800							
	3	400							
	4	610							
	5	480							
	6	560							
	7	560							
	8	800							
	9	640							
	10	560							
	11	400							
	12	400							
	13	240							

	14	160	L	ND	ND	ND	ND	ND	65.4
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SP4	SURF	80	H	ND	ND	797	843	1640	31
	1	400							
	2	2000							
	3	2400							
	4	2800							
	5	3200							
	6	2800							
	7	2800							
	8	2400							
	9	2160							
	10	2800							
	11	2640							
	12	2480							
	13	2000							
	14	1840							
	15	1680							
	16	1200							
	17	1200							
	18	880							
	19	560							
	20	320							
	21	160	L	ND	ND	ND	ND	ND	63.4

SP5	SURF	80	H	ND	ND	3650	4020	7670	49.4
	1	240							
	2	320							
	3	640							
	4	800							
	5	800							
	6	1200							
	7	1200							
	8	1040							
	9	960							
	10	800							
	11	640							
	12	720							
	13	560							
	14	240							
	15	160	L	ND	ND	ND	ND	ND	67.6

SP6	SURF	640	H	2.86	87.3	9710	5900	15610	439
	1	2160							
	2	2400							
	3	2000							
	4	1600							
	5	160							
	6	160	L	ND	ND	ND	ND	ND	64.5

SP7	SURF	1200	H	ND	ND	683	679	1362	1210
	1	1200							
	2	1440							
	3	880							
	4	880							
	5	320							
	6	160	L	ND	ND	ND	ND	ND	68.4

SP8	SURF	80	L	ND	ND	ND	ND	ND	25.4
	1	80							
	2	80	L	ND	ND	ND	ND	ND	24.5

SP9	SURF	160	H	ND	ND	3230	4000	7230	177
	1	160							
	2	160	L	ND	ND	ND	ND	ND	395

SP10	SURF	1440	H	ND	26.5	12000	16400	28400	1740
	1	3200							
	2	3280							
	3	>4000							
	4	>4000							
	5	>4000							
	6	3520							
	7	2720							
	8	2080							
	9	1520							
	10	720							
	11	480							
	12	400							
	13	160	L	ND	ND	ND	ND	ND	64.9

SP11	SURF	1600	H	0.107	24.6	9490	10400	19890	1400
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	1	1200							
	2	1040							
	3	480							
	4	640							
	5	800							
	6	560							
	7	400							
	8	400							
	9	320							
	10	160							
	11	160	L	ND	ND	ND	ND	ND	66.8

SP12	SURF	560	H	ND	60.9	12900	8190	21090	509
	1	1360							
	2	1440							
	3	1200							
	4	800							
	5	1200							
	6	1120							
	7	1120							
	8	960							
	9	960							
	10	640							
	11	400							
	12	240							
	13	160	L	ND	ND	ND	ND	ND	ND

SP13	SURF	720	H	ND	ND	5030	2740	7770	502
	1	960							
	2	1680							
	3	3360							
	4	>4000							
	5	3440							
	6	2560							
	7	2400							
	8	2400							
	9	2080							
	10	1760							
	11	1200							
	12	880							
	13	640							

	14	400							
	15	240							
	16	160	L	ND	ND	ND	ND	ND	ND

SP14	SURF	400	L	ND	ND	ND	ND	ND	245
	1	640							
	2	1120							
	3	3360							
	4	>4000							
	5	>4000							
	6	3040							
	7	3040							
	8	960							
	9	560							
	10	400							
	11	80	L	ND	ND	ND	ND	ND	41.4

SP15	SURF	240	H	ND	30.2	4330	ND	4330	82.3
	1	1200							
	2	800							
	3	320							
	4	80	L	ND	ND	ND	ND	ND	41.6

SW1	SURF	240	H	0.0565	31.8	4010	ND	4010	80.9
	1	80							
	2	80	L	ND	ND	ND	ND	ND	41
SW2	SURF	160	H	11.8	269	12900	5580	18480	155
	1	160							
	2	80	L	ND	ND	ND	ND	ND	41.8
SW3	SURF	320	H	ND	ND	6050	4160	10210	367
	1	80							
	2	80	L	ND	ND	ND	ND	ND	41.1
SW4	SURF	320	H	ND	ND	6230	ND	6230	190
	1	80							
	2	80	L	ND	ND	ND	ND	ND	41.7
SW5	SURF	1200	H	ND	ND	4880	1430	6310	1130
	1	720							

	2	320							
	3	80	L	ND	ND	ND	ND	ND	40.7
SW6	SURF	>4000	H	ND	ND	3280	1580	4860	6510
	1	3040							
	2	880							
	3	400							
	4	80	L	ND	ND	ND	ND	ND	41.4
SW7	SURF	80	H	ND	ND	65.1	128	193.1	44.8
	1	80							
	2	80	L	ND	ND	ND	ND	ND	41
SW8	SURF	80	H	0.227	ND	2020	2120	4140	98.1
	1	80							
	2	80	L	ND	ND	ND	ND	ND	40.7

Please see the delineation photos attached herein.

Once the site was fully delineated, the facility floor was then contoured, felt was then laid across the floor of the facility and over the earthen berms. ESS then sprayed a polyurethane liner, sealing around tanks and piping and over the containment walls. The liner was then tucked outside the bermed area in 2' trenches so that the poly liner was intact and would not be disturbed by wind erosion.

A total of 120 cy of contaminated soil was then hauled to Owl Disposal. No backfill was delivered to location as the liner was placed inside the facility.

Please find the remediation and final photos attached herein.

Closure Request

On behalf of Tap Rock, ESS requests that the incident (NAPP2307437229) be deferred for the release that occurred in the lined containment area of the Jackson Unit SWD #006. Full remediation of the facility will reconvene when the well is plugged, facility is decommissioned and/or the facility is moved or reconstructed in a different area of the well pad, whichever comes first. Tap Rock and ESS certifies that all of the information provided and that is detailed in this report is true and correct. We have also complied with all of the applicable closure/deferral requirements for the release that occurred on the Jackson 6 SWD.

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
- Delineation Sample Data (including inserts for Surface and Final Lab Analysis)
- Delineation Sample Map
- Delineation Site Photos
- Lab Analysis
- Final Photos
- Final C141

Natalie Gladden

From: Natalie Gladden
Sent: Wednesday, March 15, 2023 10:05 AM
To: ocdonline, emnrd, EMNRD; Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD; Nobui, Jennifer, EMNRD; Harimon, Jocelyn, EMNRD; Crosby, Faith
Cc: Christian Combs; 'Bill Ramsey'; Dakoatah Montanez
Subject: Tap Rock - Jackson Unit SWD #006 - Spill Notification
Importance: High

All,

During a SLO site inspection it was found that a historical release was located around the pumps and that the liner has been compromised is several areas. Please find the following information concerning the historical release:

Location: Jackson Unit SWD #006
API No. 30-05-34623
Legals: U/L H, Section 21, Township 24S, Range 33E
County: Lea
Estimated volume of release: 8.19 bbls
Recovery volume: 0bbls

The C141 will be uploaded to the portal immediately following this email. 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

Natalie Gladden

From: Crosby, Faith <fcrosby@slo.state.nm.us>
Sent: Wednesday, March 15, 2023 10:22 AM
To: Natalie Gladden; ocdonline, emnrd, EMNRD; Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD; Nobui, Jennifer, EMNRD; Harimon, Jocelyn, EMNRD
Cc: Christian Combs; 'Bill Ramsey'; Dakoatah Montanez; McMillan, Michael A.
Subject: RE: Tap Rock - Jackson Unit SWD #006 - Spill Notification

Thank you Natalie. We will follow up on this with you and the OCD

Best regards,

Faith Crosby
Water Bureau Manager
Oil, Gas, and Minerals Division
Office 505.827.5849
Fax 505-827-4739



New Mexico State Land Office
310 Old Santa Fe Trail
Santa Fe, NM 87501
-Or-
P.O. Box 1148
Santa Fe, NM 87504-1148
fcrosby@slo.state.nm.us

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transmission is STRICTLY PROHIBITED. If you have received this transmission in error, please immediately notify the sender and delete the original transmission and its attachments without reading or saving in any manner. Thank you.

From: Natalie Gladden <natalie@energystaffingllc.com>

Sent: Wednesday, March 15, 2023 10:05 AM

To: ocdonline, emnrd, EMNRD <emnrd.ocdonline@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hamlet, Robert, EMNRD <robert.hamlet@state.nm.us>; Nobui, Jennifer, EMNRD <jennifer.nobui@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; Crosby, Faith <fcrosby@slo.state.nm.us>

Cc: Christian Combs <ccombs@taprk.com>; 'Bill Ramsey' <bramsey@taprk.com>; Dakoatah Montanez <dakoatah@energystaffingllc.com>

Subject: [EXTERNAL] Tap Rock - Jackson Unit SWD #006 - Spill Notification

Importance: High

All,

During a SLO site inspection it was found that a historical release was located around the pumps and that the liner has been compromised is several areas. Please find the following information concerning the historical release:

Location: Jackson Unit SWD #006

API No. 30-05-34623

Legals: U/L H, Section 21, Township 24S, Range 33E

County: Lea

Estimated volume of release: 8.19 bbls

Recovery volume: 0bbls

The C141 will be uploaded to the portal immediately following this email. 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

TAPROCK

JACKSON UNIT SWD #006H
IMPACT MAP

Legend

-  Jackson 6 SWD
-  JACKSON 6 SWD - IMPACT MAP - 12,036 SQ. FT.



200 ft

Legend

- 13,262 sq. ft. Outside Wall
- 244' East to West Wall
- 53.5' North to South Wall
- 9497 sq. ft. Inside Wall
- JACKSON 6 SWD BATTERY



**JACKSON 6 SWD
INITIAL PHOTOS**













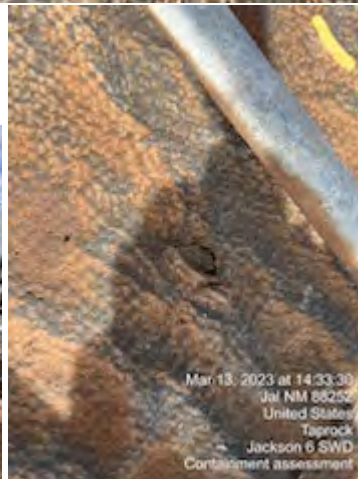





















TAPROCK

JACKSON UNIT SWD #006H
SITE MAP

 Jackson 6 SWD



200 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

1/28/2024
Page 3 of 5

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

JACKSON UNIT #6 SWD

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	
BH—Berino-Cacique association, hummocky								
Berino	Loamy Sand (R070BD003NM)	650	—	225	black grama	25		
					dropseed	15		
					other perennial grasses	15		
					bush muhly	10		
					annual grasses	5		
					cane bluestem	5		
					other shrubs	5		
					other annual forbs	5		
					other perennial forbs	5		
					soaptree yucca	5		
					threeawn	5		
Cacique	Sandy (R070BD004NM)	650	—	225	black grama	25		
					dropseed	15		
					other perennial grasses	15		
					bush muhly	10		
					annual grasses	5		
					cane bluestem	5		
					other shrubs	5		
					other annual forbs	5		
					other perennial forbs	5		
					threeawn	5		
					yucca	5		



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

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

JACKSON UNIT #6 SWD

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

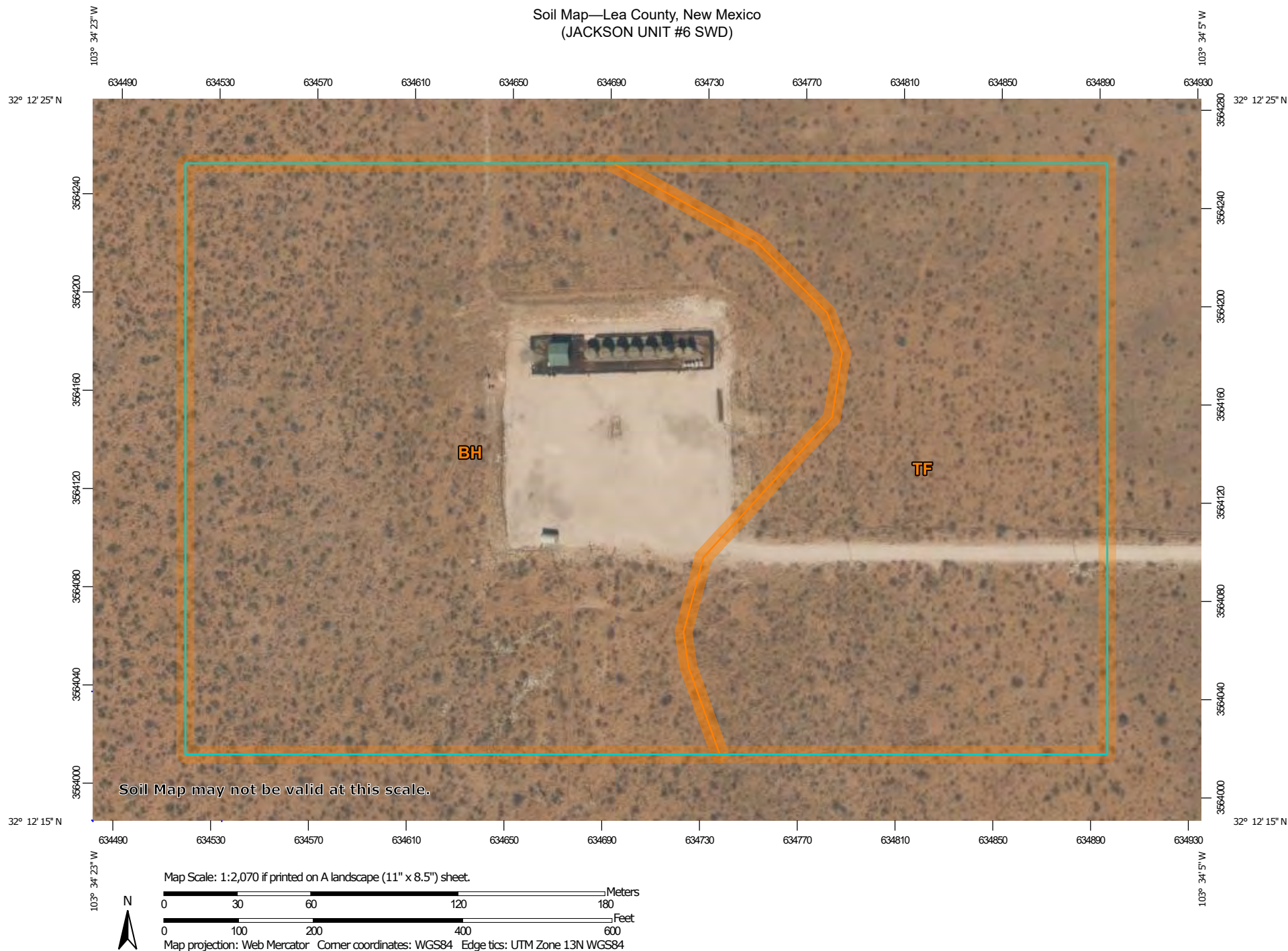


Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

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Page 5 of 5

Soil Map—Lea County, New Mexico
(JACKSON UNIT #6 SWD)



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

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Page 1 of 3

Soil Map—Lea County, New Mexico
(JACKSON UNIT #6 SWD)

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.



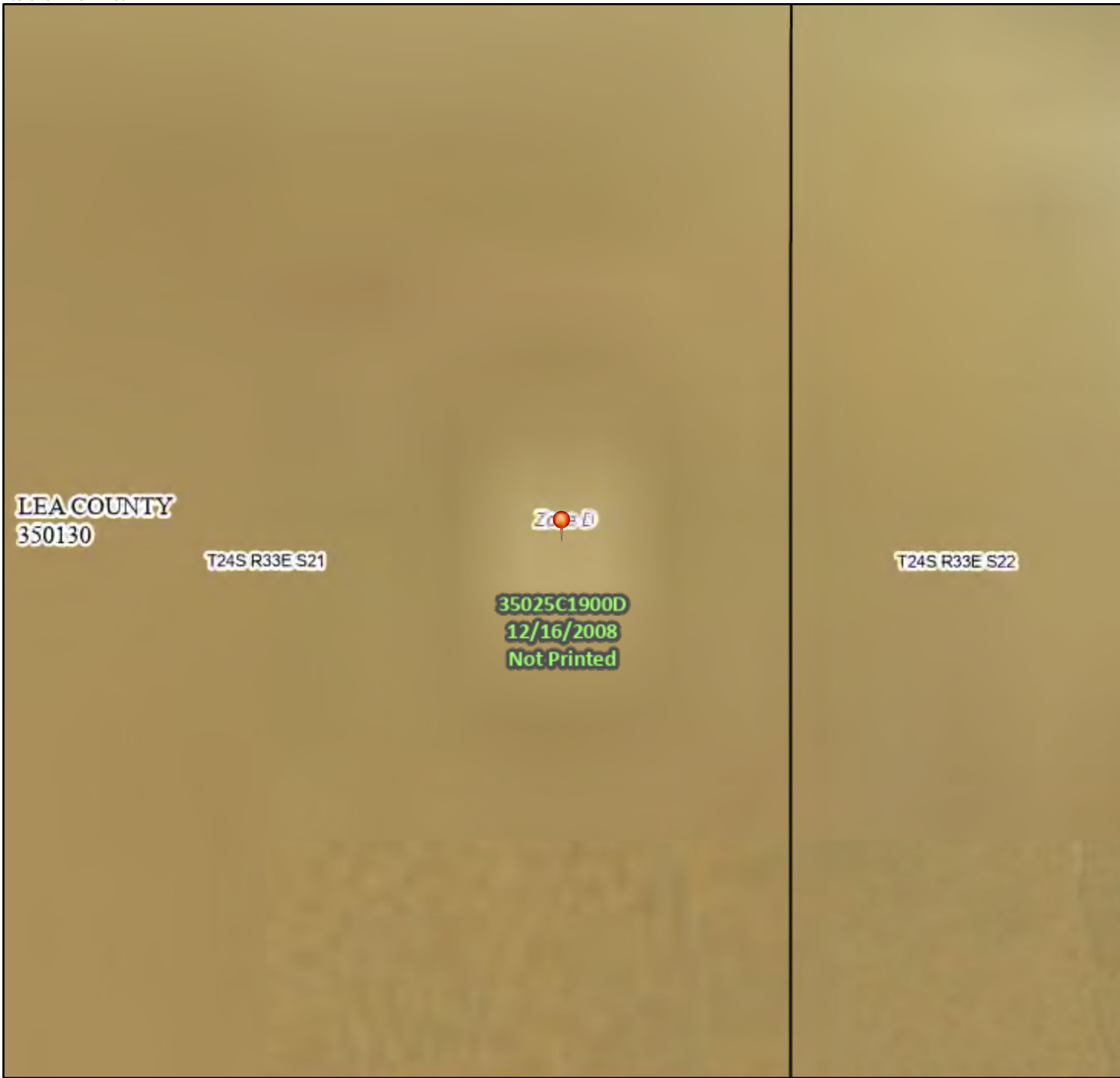
Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BH	Berino-Cacique association, hummocky	13.7	61.0%
TF	Tonuco loamy fine sand, 0 to 3 percent slopes	8.8	39.0%
Totals for Area of Interest		22.5	100.0%

National Flood Hazard Layer FIRMMette



103°34'34"W 32°12'36"N



Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
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 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect 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

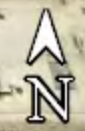
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 1/28/2024 at 4:52 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

- High
- Jackson 6 SWD
- Low
- Medium



TAPROCK
JACKSON UNIT SWD #006H
WATERCOURSE MAP





New Mexico Office of the State Engineer

Wells with Well Log Information

No wells found.

UTMNAD83 Radius Search (in meters):

Easting (X): 634694.74

Northing (Y): 3564149

Radius: 1000

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.

1/28/24 2:44 PM

WELLS WITH WELL LOG INFORMATION



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)

(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				q q q								Log File				Depth	Depth			License
POD Number	Code	Subbasin	County	Source	6416 4	Sec	Tws	Rng	X	Y		Distance	Start Date	Finish Date	Date	Well	Water	Driller	Number	
C 04708 POD1		CUB	LE		1 3 4	21	24S	33E	634149	3563262	<input type="checkbox"/>	1040	03/23/2023	03/27/2023	06/23/2023	100		JOE SKAGGS	1453	
C 03565 POD8		CUB	LE		4 1	15	24S	33E	635485	3565610	<input type="checkbox"/>	1661			04/02/2013					
C 04339 POD7		CUB	LE		4 4 2	23	24S	33E	636473	3564011	<input type="checkbox"/>	1783	07/31/2019	07/31/2019	08/22/2019	43		CURRIE, SHANEG..TY"ENER	1575	
C 04339 POD8		CUB	LE		1 1 3	23	24S	33E	636519	3563681	<input type="checkbox"/>	1883	07/31/2019	07/31/2019	08/22/2019	30		CURRIE, SHANEG..TY"ENER	1575	
C 03565 POD9		CUB	LE		4 4	15	24S	33E	636430	3565005	<input type="checkbox"/>	1934			04/02/2013					
C 04339 POD1		CUB	LE		1 3 3	23	24S	33E	636525	3563309	<input type="checkbox"/>	2014	08/01/2019	08/02/2019	08/22/2019	47		CURRIE, SHANEG..TY"ENER	1575	
C 04339 POD2		CUB	LE		2 3 3	23	24S	33E	636789	3563315	<input type="checkbox"/>	2254	08/06/2019	08/06/2019	08/22/2019			CURRIE, SHANEG..TY"ENER	1575	
C 04339 POD6		CUB	LE		3 1 2	23	24S	33E	637340	3564386	<input type="checkbox"/>	2656	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	<input type="checkbox"/>	2662	08/19/2013	08/20/2013	09/16/2013	550	110	JOHN SIRMAN	1654	
C 03600 POD4		CUB	LE	Shallow	3 3 1	26	24S	33E	636617	3562293	<input type="checkbox"/>	2671	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	<input type="checkbox"/>	2707	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	<input type="checkbox"/>	2707	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	<input type="checkbox"/>	2815	01/07/2013	01/07/2013	01/30/2013			RODNEY HAMMER	1186	
C 03600 POD7		CUB	LE	Shallow	3 1 3	26	24S	33E	636726	3561968	<input type="checkbox"/>	2980	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	<input type="checkbox"/>	2999	08/06/2019	08/07/2019	08/22/2019	54		CURRIE, SHANEG..TY"ENER	1575	
C 04339 POD9		CUB	LE		3 4 2	23	24S	33E	637731	3563913	<input type="checkbox"/>	3045	08/01/2019	08/01/2019	08/22/2019	45		CURRIE, SHANEG..TY"ENER	1575	
C 04339 POD10		CUB	LE		4 1 4	23	24S	33E	637688	3563503	<input type="checkbox"/>	3061	08/01/2019	08/01/2019	08/22/2019	49		CURRIE, SHANEG..TY"ENER	1575	
C 03565 POD3		CUB	LE		3 4	08	24S	33E	632763	3566546	<input type="checkbox"/>	3078	09/27/2012	10/21/2012	12/11/2012		1533	STEWART, PHILLIP D. (LD)	331	
C 03601 POD2		CUB	LE	Shallow	3 2 4	23	24S	33E	637846	3563588	<input type="checkbox"/>	3200	01/06/2013	01/07/2013	01/30/2013			RODNEY HAMMER	1186	
C 04741 POD1		CUB	LE		1 2 4	10	24S	33E	636076	3567039	<input type="checkbox"/>	3203	05/08/2023	05/11/2023	06/15/2023	55		JOHN W WHITE	1456	
C 03601 POD6		CUB	LE	Shallow	1 4 4	23	24S	33E	637834	3563338	<input type="checkbox"/>	3241	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	<input type="checkbox"/>	3392	01/06/2013	01/06/2013	01/30/2013			RODNEY HAMMER	1186	
C 03601 POD7		CUB	LE	Shallow	4 4 4	23	24S	33E	637946	3563170	<input type="checkbox"/>	3395	01/05/2013	01/05/2013	01/30/2013			RODNEY HAMMER	1186	
C 03600 POD6		CUB	LE	Shallow	3 1 4	26	24S	33E	637383	3562026	<input type="checkbox"/>	3424	01/09/2013	01/09/2013	01/30/2013			RODNEY HAMMER	1186	
C 03601 POD1		CUB	LE	Shallow	4 4 2	23	24S	33E	638124	3563937	<input type="checkbox"/>	3436	12/21/2012	12/21/2012	01/08/2013			RODNEY HAMMER	1186	
C 03601 POD3		CUB	LE	Shallow	1 3 3	24	24S	33E	638142	3563413	<input type="checkbox"/>	3524	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	<input type="checkbox"/>	3580	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	<input type="checkbox"/>	3762	01/13/2013	01/13/2013	01/30/2013		RODNEY HAMMER	1186
C 04768 POD1	CUB	LE		3	3	4	19	24S	33E	631048	3563110	<input type="checkbox"/>	3792	12/13/2023	12/13/2023	01/12/2024	55	JASON MALEY	1833
C 03600 POD5	CUB	LE	Shallow	3	2	4	26	24S	33E	637857	3562020	<input type="checkbox"/>	3811	01/09/2013	01/09/2013	01/30/2013		RODNEY HAMMER	1186
C 03917 POD1	C	LE	Shallow	4	1	3	13	24S	33E	638374	3565212	<input type="checkbox"/>	3829	03/01/2016	03/04/2016	03/11/2016	600	420 CASE KEY	1058
C 03603 POD5	CUB	LE	Shallow	3	3	2	35	24S	33E	636745	3560767	<input type="checkbox"/>	3954	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	<input type="checkbox"/>	4015	01/11/2013	01/11/2013	01/30/2013		RODNEY HAMMER	1186
C 03603 POD6	CUB	LE	Shallow	3	1	3	35	24S	33E	636749	3560447	<input type="checkbox"/>	4233	01/13/2013	01/13/2013	01/30/2013		RODNEY HAMMER	1186
C 03603 POD1	CUB	LE	Shallow	3	2	2	35	24S	33E	637805	3561225	<input type="checkbox"/>	4268	01/10/2013	01/10/2013	01/30/2013		RODNEY HAMMER	1186
C 03601 POD4	CUB	LE	Shallow	3	3	3	24	24S	33E	638162	3561375	<input type="checkbox"/>	4440	01/03/2013	01/04/2013	01/30/2013		RODNEY HAMMER	1186
C 03600 POD2	CUB	LE	Shallow	4	4	1	25	24S	33E	638824	3562329	<input type="checkbox"/>	4512	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	<input type="checkbox"/>	4512	01/15/2013	01/15/2013	01/30/2013		RODNEY HAMMER	1186
C 03666 POD1	C	LE	Shallow	2	3	4	13	24S	33E	639132	3565078	<input type="checkbox"/>	4533	10/18/2013	10/26/2013	11/14/2013	650	390 CASEY KEYS	1058
C 03591 POD1	CUB	LE	Artesian	2	1	4	05	24S	33E	632731	3568518	<input type="checkbox"/>	4789	12/08/2012	01/10/2013	01/25/2013		PHILLIP STEWART	331
C 03603 POD4	CUB	LE	Shallow	3	2	4	35	24S	33E	637789	3560461	<input type="checkbox"/>	4814	01/14/2013	01/14/2013	01/30/2013		RODNEY HAMMER	1186

Record Count: 41

UTMNAD83 Radius Search (in meters):

Easting (X): 634694.74 Northing (Y): 3564149 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 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.

1/29/24 10:20 AM


Page 1 of 1

POD SUMMARY - C 04708 POD1



New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)				(NAD83 UTM in meters)			
		Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	C 03565 POD8	4	1	15	24S	33E		635485	3565610 

Driller License:

Driller Company:

Driller Name:

Drill Start Date:

Drill Finish Date:

Plug Date:

Log File Date: 04/02/2013

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.

1/29/24 10:21 AM

Page 1 of 1


POD SUMMARY - C 03565 POD8



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:

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1/29/24 10:21 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 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:	






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1/29/24 10:21 AM

Page 1 of 1

POD SUMMARY - C 04339 POD8

Legend

-  C03565 PO8 - 1661" FROM SITE NO GW INFO
-  C04339 POD7 - 1783" FROM SITE - NO DGW INFO
-  C04339 POD8 - 1883' FROM SITE, NO GW DATA
-  C04708 POD1 - 1040' FROM SITE, NO GW DATA
-  Jackson 6 SWD



OSE POD Location Map



1/28/2024, 3:22:05 PM

GIS WATERS PODs

● Active

● Pending

● Inactive

● Plugged

OSE District Boundary

Water Right Regulations

Closure Area

New Mexico State Trust Lands

Both Estates

NHD Flowlines

Stream River

1:18,056

00.170.350.7 mi

00.280.551.1 km

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

Released to Imaging: 6/25/2024 1:03:15 PM

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

Company Name: **TAPROCK** Location Name: **JACKSON 6 SWD** DOR: **3/15/2023**

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Notes
SP1	SURF	400	H	ND	42.9	1110	1130	2240	63.4	
	1	320	H							
	2	320	H							
	3	400	H							
	4	800	H							
	5	1200	H							
	6	2560	H							
	7	1600	H							
	8	1920	H							
	9	1360	H							
	10	1120	H							
	11	1120	H							
	12	960	H							
	13	880	M							
	14	800	M							
	15	800	M							
	16	480	L							
	17	160	L	ND	ND	ND	ND	ND	69.4	
SP2	SURF	720	H	8.59	234	15100	9930	25030	870	
	1	2000	H							
	2	1600	H							
	3	2800	H							
	4	1600	H							
	5	1200	H							
	6	1200	H							
	7	1040	H							
	8	1760	H							
	9	1600	H							
	10	1440	H							
	11	1360	H							

	12	1200	H							
	13	1120	H							
	14	960	M							
	15	800	M							
	16	640	L							
	17	560	M							
	18	400	L							
	19	160	L	ND	ND	ND	ND	ND	63.7	

SP3	SURF	320	H	ND	ND	2120	1730	3850	196	
	1	720	H							
	2	800	H							
	3	400	H							
	4	610	H							
	5	480	H							
	6	560	H							
	7	560	H							
	8	800	H							
	9	640	H							
	10	560	H							
	11	400	H							
	12	400	H							
	13	240	L							
	14	160	L	ND	ND	ND	ND	ND	65.4	

SP4	SURF	80	H	ND	ND	797	843	1640	31	
	1	400	H							
	2	2000	H							
	3	2400	H							
	4	2800	H							
	5	3200	H							
	6	2800	H							
	7	2800	H							
	8	2400	H							

	9	2160	H							
	10	2800	H							
	11	2640	H							
	12	2480	H							
	13	2000	H							
	14	1840	H							
	15	1680	H							
	16	1200	H							
	17	1200	H							
	18	880	H							
	19	560	H							
	20	320	M							
	21	160	L	ND	ND	ND	ND	ND	63.4	
SP5	SURF	80	H	ND	ND	3650	4020	7670	49.4	
	1	240	H							
	2	320	H							
	3	640	H							
	4	800	H							
	5	800	H							
	6	1200	H							
	7	1200	H							
	8	1040	H							
	9	960	H							
	10	800	H							
	11	640	H							
	12	720	H							
	13	560	H							
	14	240	L							
	15	160	L	ND	ND	ND	ND	ND	67.6	
SP6	SURF	640	H	2.86	87.3	9710	5900	15610	439	
	1	2160	H							
	2	2400	H							

	3	2000	H							
	4	1600	H							
	5	160	L							
	6	160	L	ND	ND	ND	ND	ND	64.5	
SP7	SURF	1200	H	ND	ND	683	679	1362	1210	
	1	1200	H							
	2	1440	H							
	3	880	H							
	4	880	H							
	5	320	L							
	6	160	L	ND	ND	ND	ND	ND	68.4	
SP8	SURF	80	L	ND	ND	ND	ND	ND	25.4	
	1	80	L							
	2	80	L	ND	ND	ND	ND	ND	24.5	
SP9	SURF	160	H	ND	ND	3230	4000	7230	177	
	1	160	L							
	2	160	L	ND	ND	ND	ND	ND	395	
SP10	SURF	1440	H	ND	26.5	12000	16400	28400	1740	
	1	3200	H							
	2	3280	H							
	3	>4000	H							
	4	>4000	H							
	5	>4000	H							
	6	3520	H							
	7	2720	H							
	8	2080	H							
	9	1520	H							
	10	720	H							
	11	480	H							
	12	400	L							

	13	160	L	ND	ND	ND	ND	ND	64.9	
SP11	SURF	1600	H	0.107	24.6	9490	10400	19890	1400	
	1	1200	H							
	2	1040	H							
	3	480	H							
	4	640	H							
	5	800	H							
	6	560	H							
	7	400	H							
	8	400	H							
	9	320	H							
	10	160	L							
	11	160	L	ND	ND	ND	ND	ND	66.8	
SP12	SURF	560	H	ND	60.9	12900	8190	21090	509	
	1	1360	H							
	2	1440	H							
	3	1200	H							
	4	800	H							
	5	1200	H							
	6	1120	H							
	7	1120	H							
	8	960	H							
	9	960	H							
	10	640	H							
	11	400	H							
	12	240	L							
	13	160	L	ND	ND	ND	ND	ND	ND	
SP13	SURF	720	H	ND	ND	5030	2740	7770	502	
	1	960	H							
	2	1680	H							
	3	3360	H							

	4	>4000	H							
	5	3440	H							
	6	2560	H							
	7	2400	H							
	8	2400	H							
	9	2080	H							
	10	1760	H							
	11	1200	H							
	12	880	H							
	13	640	H							
	14	400	H							
	15	240	L							
	16	160	L	ND	ND	ND	ND	ND	ND	
SP14	SURF	400	L	ND	ND	ND	ND	ND	245	
	1	640	H							
	2	1120	H							
	3	3360	H							
	4	>4000	H							
	5	>4000	H							
	6	3040	H							
	7	3040	H							
	8	960	H							
	9	560	H							
	10	400	L							
	11	80	L	ND	ND	ND	ND	ND	41.4	
SP15	SURF	240	H	ND	30.2	4330	ND	4330	82.3	
	1	1200	H							
	2	800	H							
	3	320	L							
	4	80	L	ND	ND	ND	ND	ND	41.6	
SW1	SURF	240	H	0.0565	31.8	4010	ND	4010	80.9	

	1	80								
	2	80	L	ND	ND	ND	ND	ND	41	
SW2	SURF	160	H	11.8	269	12900	5580	18480	155	
	1	160								
	2	80	L	ND	ND	ND	ND	ND	41.8	
SW3	SURF	320	H	ND	ND	6050	4160	10210	367	
	1	80								
	2	80	L	ND	ND	ND	ND	ND	41.1	
SW4	SURF	320	H	ND	ND	6230	ND	6230	190	
	1	80								
	2	80	L	ND	ND	ND	ND	ND	41.7	
SW5	SURF	1200	H	ND	ND	4880	1430	6310	1130	
	1	720								
	2	320								
	3	80	L	ND	ND	ND	ND	ND	40.7	
SW6	SURF	>4000	H	ND	ND	3280	1580	4860	6510	
	1	3040	H							
	2	880	H							
	3	400								
	4	80	L	ND	ND	ND	ND	ND	41.4	
SW7	SURF	80	H	ND	ND	65.1	128	193.1	44.8	
	1	80								
	2	80	L	ND	ND	ND	ND	ND	41	
SW8	SURF	80	H	0.227	ND	2020	2120	4140	98.1	
	1	80								
	2	80	L	ND	ND	ND	ND	ND	40.7	

Report to:

Natalie Gladden



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Tap Rock

Project Name: Jackson 6 SWD

Work Order: E303152

Job Number: 20046-0001

Received: 3/31/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/3/23

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: 4/3/23

Natalie Gladden
7 W. Compress Road
Artesia, NM 88210



Project Name: Jackson 6 SWD
Workorder: E303152
Date Received: 3/31/2023 5:45:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/31/2023 5:45:00AM, under the Project Name: Jackson 6 SWD.

The analytical test results summarized in this report with the Project Name: Jackson 6 SWD 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 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	04/03/23 15:48

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP 1 - Surf	E303152-01A	Soil	03/28/23	03/31/23	Glass Jar, 2 oz.



Sample Data

Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Jackson 6 SWD Project Number: 20046-0001 Project Manager: Natalie Gladden	Reported: 4/3/2023 3:48:22PM
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SP 1 - Surf

E303152-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2313073	
Benzene	ND	0.0250	1	03/30/23	03/31/23	
Ethylbenzene	ND	0.0250	1	03/30/23	03/31/23	
Toluene	ND	0.0250	1	03/30/23	03/31/23	
o-Xylene	ND	0.0250	1	03/30/23	03/31/23	
p,m-Xylene	ND	0.0500	1	03/30/23	03/31/23	
Total Xylenes	ND	0.0250	1	03/30/23	03/31/23	
<i>Surrogate: Bromofluorobenzene</i>	<i>108 %</i>	<i>70-130</i>		<i>03/30/23</i>	<i>03/31/23</i>	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>114 %</i>	<i>70-130</i>		<i>03/30/23</i>	<i>03/31/23</i>	
<i>Surrogate: Toluene-d8</i>	<i>107 %</i>	<i>70-130</i>		<i>03/30/23</i>	<i>03/31/23</i>	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2313073	
Gasoline Range Organics (C6-C10)	42.9	20.0	1	03/30/23	03/31/23	
<i>Surrogate: Bromofluorobenzene</i>	<i>108 %</i>	<i>70-130</i>		<i>03/30/23</i>	<i>03/31/23</i>	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>114 %</i>	<i>70-130</i>		<i>03/30/23</i>	<i>03/31/23</i>	
<i>Surrogate: Toluene-d8</i>	<i>107 %</i>	<i>70-130</i>		<i>03/30/23</i>	<i>03/31/23</i>	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2313070	
Diesel Range Organics (C10-C28)	1110	50.0	2	03/30/23	04/01/23	
Oil Range Organics (C28-C36)	1130	100	2	03/30/23	04/01/23	
<i>Surrogate: n-Nonane</i>	<i>102 %</i>	<i>50-200</i>		<i>03/30/23</i>	<i>04/01/23</i>	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2313077	
Chloride	63.4	20.0	1	03/30/23	03/31/23	



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/3/2023 3:48:22PM

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 (2313073-BLK1) Prepared: 03/30/23 Analyzed: 03/31/23

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	0.514		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.554		0.500		111	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.8	70-130			

LCS (2313073-BS1) Prepared: 03/30/23 Analyzed: 03/31/23

Benzene	2.47	0.0250	2.50		99.0	70-130			
Ethylbenzene	2.57	0.0250	2.50		103	70-130			
Toluene	2.60	0.0250	2.50		104	70-130			
o-Xylene	2.59	0.0250	2.50		104	70-130			
p,m-Xylene	5.14	0.0500	5.00		103	70-130			
Total Xylenes	7.73	0.0250	7.50		103	70-130			
Surrogate: Bromofluorobenzene	0.531		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.575		0.500		115	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

LCS Dup (2313073-BSD1) Prepared: 03/30/23 Analyzed: 03/31/23

Benzene	2.49	0.0250	2.50		99.6	70-130	0.685	23	
Ethylbenzene	2.51	0.0250	2.50		100	70-130	2.27	27	
Toluene	2.57	0.0250	2.50		103	70-130	1.16	24	
o-Xylene	2.55	0.0250	2.50		102	70-130	1.71	27	
p,m-Xylene	5.04	0.0500	5.00		101	70-130	1.91	27	
Total Xylenes	7.58	0.0250	7.50		101	70-130	1.84	27	
Surrogate: Bromofluorobenzene	0.542		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.553		0.500		111	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/3/2023 3:48:22PM

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 (2313073-BLK1)

Prepared: 03/30/23 Analyzed: 03/31/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.514		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.554		0.500		111	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.8	70-130			

LCS (2313073-BS2)

Prepared: 03/30/23 Analyzed: 03/31/23

Gasoline Range Organics (C6-C10)	55.1	20.0	50.0		110	70-130			
Surrogate: Bromofluorobenzene	0.523		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.539		0.500		108	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

LCS Dup (2313073-BSD2)

Prepared: 03/30/23 Analyzed: 03/31/23

Gasoline Range Organics (C6-C10)	54.2	20.0	50.0		108	70-130	1.57	20	
Surrogate: Bromofluorobenzene	0.521		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.559		0.500		112	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/3/2023 3:48:22PM

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 (2313070-BLK1)					Prepared: 03/30/23 Analyzed: 03/31/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.6		50.0		103	50-200			

LCS (2313070-BS1)					Prepared: 03/30/23 Analyzed: 03/31/23				
Diesel Range Organics (C10-C28)	268	25.0	250		107	38-132			
Surrogate: n-Nonane	49.2		50.0		98.4	50-200			

Matrix Spike (2313070-MS1)					Source: E303150-03		Prepared: 03/30/23 Analyzed: 03/31/23		
Diesel Range Organics (C10-C28)	712	25.0	250	430	113	38-132			
Surrogate: n-Nonane	50.2		50.0		100	50-200			

Matrix Spike Dup (2313070-MSD1)					Source: E303150-03		Prepared: 03/30/23 Analyzed: 03/31/23		
Diesel Range Organics (C10-C28)	750	25.0	250	430	128	38-132	5.10	20	
Surrogate: n-Nonane	50.2		50.0		100	50-200			



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/3/2023 3:48:22PM

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 (2313077-BLK1)					Prepared: 03/30/23 Analyzed: 03/31/23				
Chloride	ND	20.0							
LCS (2313077-BS1)					Prepared: 03/30/23 Analyzed: 03/31/23				
Chloride	248	20.0	250		99.0	90-110			
Matrix Spike (2313077-MS1)					Source: E303148-01		Prepared: 03/30/23 Analyzed: 03/31/23		
Chloride	388	20.0	250	134	101	80-120			
Matrix Spike Dup (2313077-MSD1)					Source: E303148-01		Prepared: 03/30/23 Analyzed: 03/31/23		
Chloride	390	20.0	250	134	102	80-120	0.585	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 6 SWD	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	04/03/23 15:48

- 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.



Additional Instructions:

Sampled by: Juan Solis

Lab Use Only
Received on Ice: Y V M
T1 _____ T2 _____ T3 _____
AVG Temp °C 4
poly/plastic, ag - amber glass, v - VOA

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

Page 11 of 12

Envirotech Analytical Laboratory

Printed: 3/31/2023 9:52:41AM

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:	03/31/23 05:45	Work Order ID:	E303152
Phone:	(575) 390-6397	Date Logged In:	03/30/23 15:11	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	04/03/23 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 6 SWD

Work Order: E303153

Job Number: 20046-0001

Received: 3/31/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/3/23

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: 4/3/23

Natalie Gladden
7 W. Compress Road
Artesia, NM 88210



Project Name: Jackson 6 SWD
Workorder: E303153
Date Received: 3/31/2023 5:45:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/31/2023 5:45:00AM, under the Project Name: Jackson 6 SWD.

The analytical test results summarized in this report with the Project Name: Jackson 6 SWD 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
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Office: 505-632-1881
rainaschwanz@envirotech-inc.com

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Lynn Jarboe
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ljjarboe@envirotech-inc.com

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Rayny Hagan
Technical Representative
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	04/03/23 15:46

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP 1 - 17'	E303153-01A	Soil	03/29/23	03/31/23	Glass Jar, 2 oz.
SP 2 - SURF	E303153-02A	Soil	03/29/23	03/31/23	Glass Jar, 2 oz.



Sample Data

Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Jackson 6 SWD Project Number: 20046-0001 Project Manager: Natalie Gladden	Reported: 4/3/2023 3:46:26PM
---	---	--

SP 1 - 17'

E303153-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2313073
Benzene	ND	0.0250	1	03/30/23	03/31/23	
Ethylbenzene	ND	0.0250	1	03/30/23	03/31/23	
Toluene	ND	0.0250	1	03/30/23	03/31/23	
o-Xylene	ND	0.0250	1	03/30/23	03/31/23	
p,m-Xylene	ND	0.0500	1	03/30/23	03/31/23	
Total Xylenes	ND	0.0250	1	03/30/23	03/31/23	
Surrogate: Bromofluorobenzene	103 %	70-130		03/30/23	03/31/23	
Surrogate: 1,2-Dichloroethane-d4	112 %	70-130		03/30/23	03/31/23	
Surrogate: Toluene-d8	102 %	70-130		03/30/23	03/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2313073
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/30/23	03/31/23	
Surrogate: Bromofluorobenzene	103 %	70-130		03/30/23	03/31/23	
Surrogate: 1,2-Dichloroethane-d4	112 %	70-130		03/30/23	03/31/23	
Surrogate: Toluene-d8	102 %	70-130		03/30/23	03/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2313089
Diesel Range Organics (C10-C28)	ND	25.0	1	03/31/23	03/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/31/23	03/31/23	
Surrogate: n-Nonane	121 %	50-200		03/31/23	03/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2313077
Chloride	69.4	20.0	1	03/30/23	03/31/23	



Sample Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported: 4/3/2023 3:46:26PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP 2 - SURF
E303153-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2313073	
Benzene	ND	0.0500	2	03/30/23	03/31/23	
Ethylbenzene	1.42	0.0500	2	03/30/23	03/31/23	
Toluene	0.151	0.0500	2	03/30/23	03/31/23	
o-Xylene	2.57	0.0500	2	03/30/23	03/31/23	
p,m-Xylene	6.02	0.100	2	03/30/23	03/31/23	
Total Xylenes	8.59	0.0500	2	03/30/23	03/31/23	
Surrogate: Bromofluorobenzene	106 %	70-130		03/30/23	03/31/23	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		03/30/23	03/31/23	
Surrogate: Toluene-d8	108 %	70-130		03/30/23	03/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2313073	
Gasoline Range Organics (C6-C10)	234	40.0	2	03/30/23	03/31/23	
Surrogate: Bromofluorobenzene	106 %	70-130		03/30/23	03/31/23	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		03/30/23	03/31/23	
Surrogate: Toluene-d8	108 %	70-130		03/30/23	03/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2313089	
Diesel Range Organics (C10-C28)	15100	1250	50	03/31/23	04/01/23	
Oil Range Organics (C28-C36)	9930	2500	50	03/31/23	04/01/23	
Surrogate: n-Nonane	107 %	50-200		03/31/23	04/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2313077	
Chloride	870	20.0	1	03/30/23	03/31/23	



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/3/2023 3:46:26PM

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 (2313073-BLK1) Prepared: 03/30/23 Analyzed: 03/31/23

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	0.514		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.554		0.500		111	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.8	70-130			

LCS (2313073-BS1) Prepared: 03/30/23 Analyzed: 03/31/23

Benzene	2.47	0.0250	2.50		99.0	70-130			
Ethylbenzene	2.57	0.0250	2.50		103	70-130			
Toluene	2.60	0.0250	2.50		104	70-130			
o-Xylene	2.59	0.0250	2.50		104	70-130			
p,m-Xylene	5.14	0.0500	5.00		103	70-130			
Total Xylenes	7.73	0.0250	7.50		103	70-130			
Surrogate: Bromofluorobenzene	0.531		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.575		0.500		115	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

LCS Dup (2313073-BSD1) Prepared: 03/30/23 Analyzed: 03/31/23

Benzene	2.49	0.0250	2.50		99.6	70-130	0.685	23	
Ethylbenzene	2.51	0.0250	2.50		100	70-130	2.27	27	
Toluene	2.57	0.0250	2.50		103	70-130	1.16	24	
o-Xylene	2.55	0.0250	2.50		102	70-130	1.71	27	
p,m-Xylene	5.04	0.0500	5.00		101	70-130	1.91	27	
Total Xylenes	7.58	0.0250	7.50		101	70-130	1.84	27	
Surrogate: Bromofluorobenzene	0.542		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.553		0.500		111	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/3/2023 3:46:26PM

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 (2313073-BLK1)

Prepared: 03/30/23 Analyzed: 03/31/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.514		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.554		0.500		111	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.8	70-130			

LCS (2313073-BS2)

Prepared: 03/30/23 Analyzed: 03/31/23

Gasoline Range Organics (C6-C10)	55.1	20.0	50.0		110	70-130			
Surrogate: Bromofluorobenzene	0.523		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.539		0.500		108	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

LCS Dup (2313073-BSD2)

Prepared: 03/30/23 Analyzed: 03/31/23

Gasoline Range Organics (C6-C10)	54.2	20.0	50.0		108	70-130	1.57	20	
Surrogate: Bromofluorobenzene	0.521		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.559		0.500		112	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/3/2023 3:46:26PM

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 (2313089-BLK1)					Prepared: 03/31/23 Analyzed: 03/31/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.1		50.0		112	50-200			

LCS (2313089-BS1)					Prepared: 03/31/23 Analyzed: 03/31/23				
Diesel Range Organics (C10-C28)	276	25.0	250		110	38-132			
Surrogate: n-Nonane	51.8		50.0		104	50-200			

Matrix Spike (2313089-MS1)					Source: E303153-01		Prepared: 03/31/23 Analyzed: 03/31/23		
Diesel Range Organics (C10-C28)	279	25.0	250	ND	112	38-132			
Surrogate: n-Nonane	51.7		50.0		103	50-200			

Matrix Spike Dup (2313089-MSD1)					Source: E303153-01		Prepared: 03/31/23 Analyzed: 03/31/23		
Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	38-132	1.39	20	
Surrogate: n-Nonane	52.1		50.0		104	50-200			



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/3/2023 3:46:26PM

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 (2313077-BLK1)					Prepared: 03/30/23 Analyzed: 03/31/23				
Chloride	ND	20.0							
LCS (2313077-BS1)					Prepared: 03/30/23 Analyzed: 03/31/23				
Chloride	248	20.0	250		99.0	90-110			
Matrix Spike (2313077-MS1)					Source: E303148-01		Prepared: 03/30/23 Analyzed: 03/31/23		
Chloride	388	20.0	250	134	101	80-120			
Matrix Spike Dup (2313077-MSD1)					Source: E303148-01		Prepared: 03/30/23 Analyzed: 03/31/23		
Chloride	390	20.0	250	134	102	80-120	0.585	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 6 SWD	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	04/03/23 15:46

- 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.



Client: <u>TopRock</u>	Bill To	Lab Use Only				TAT				EPA Program			
Project: <u>Jackson G SWD</u>	Attention: <u>ESS</u>	Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA		
Project Manager: <u>Natalie Gladden</u>	Address: <u>2724 NW COUNTY ROAD</u>	<u>E353153</u>		<u>20046-0001</u>			<u>X</u>						
Address:	City, State, Zip <u>HOBBS, NM 88240</u>	Analysis and Method									RCRA		
City, State, Zip	Phone: <u>575-393-9048</u>	<div> <div>NO by 8015</div> <div>NO by 8015</div> <div>8021</div> <div>8260</div> <div>9010</div> <div>300.0</div> <div>NM</div> <div>TX</div> </div>							State				
Phone:	EMAIL TO: <u>Natalie@energystaffingllc.com</u>								NM	CO	UT	AZ	TX
Email:	<u>Dakoatah@energystaffingllc.com</u>								<u>X</u>				
Report due by:													

[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: 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) JUAN SOLIS	Date 03/29/23	Time	Received by: (Signature) Michelle Campese	Date 3-30-23	Time 1345	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) Michelle Campese	Date 3-30-23	Time 1730	Received by: (Signature) Lorena Li	Date 3-30-23	Time 1730	
Relinquished by: (Signature) Lorena Li	Date 3-30-23	Time 2315	Received by: (Signature) Alfred	Date 3-31-23	Time 5:45	
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: 3/31/2023 9:55:48AM

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:	03/31/23 05:45	Work Order ID:	E303153
Phone:	(575) 390-6397	Date Logged In:	03/30/23 15:17	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	04/03/23 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

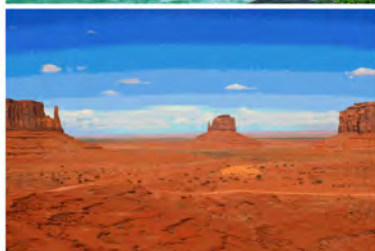
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Natalie Gladden



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Tap Rock

Project Name: Jackson 6 SWD

Work Order: E303162

Job Number: 20046-0001

Received: 4/3/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/4/23

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: 4/4/23

Natalie Gladden
7 W. Compress Road
Artesia, NM 88210



Project Name: Jackson 6 SWD
Workorder: E303162
Date Received: 4/3/2023 7:10:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/3/2023 7:10:00AM, under the Project Name: Jackson 6 SWD.

The analytical test results summarized in this report with the Project Name: Jackson 6 SWD 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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Sample Summary

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	04/04/23 14:04

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP 2 - 19'	E303162-01A	Soil	03/30/23	04/03/23	Glass Jar, 2 oz.
SP 3 - Surf	E303162-02A	Soil	03/30/23	04/03/23	Glass Jar, 2 oz.



Sample Data

Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Jackson 6 SWD Project Number: 20046-0001 Project Manager: Natalie Gladden	Reported: 4/4/2023 2:04:05PM
---	---	---------------------------------

SP 2 - 19'

E303162-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313098
Benzene	ND	0.0250	1	04/03/23	04/03/23	
Ethylbenzene	ND	0.0250	1	04/03/23	04/03/23	
Toluene	ND	0.0250	1	04/03/23	04/03/23	
o-Xylene	ND	0.0250	1	04/03/23	04/03/23	
p,m-Xylene	ND	0.0500	1	04/03/23	04/03/23	
Total Xylenes	ND	0.0250	1	04/03/23	04/03/23	
Surrogate: Bromofluorobenzene	90.7 %	70-130		04/03/23	04/03/23	
Surrogate: 1,2-Dichloroethane-d4	95.0 %	70-130		04/03/23	04/03/23	
Surrogate: Toluene-d8	104 %	70-130		04/03/23	04/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313098
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/03/23	04/03/23	
Surrogate: Bromofluorobenzene	90.7 %	70-130		04/03/23	04/03/23	
Surrogate: 1,2-Dichloroethane-d4	95.0 %	70-130		04/03/23	04/03/23	
Surrogate: Toluene-d8	104 %	70-130		04/03/23	04/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2314004
Diesel Range Organics (C10-C28)	ND	25.0	1	04/03/23	04/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/03/23	04/04/23	
Surrogate: n-Nonane	98.2 %	50-200		04/03/23	04/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2314008
Chloride	63.7	20.0	1	04/03/23	04/04/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson 6 SWD
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/4/2023 2:04:05PM

SP 3 - Surf

E303162-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313098
Benzene	ND	0.0250	1	04/03/23	04/03/23	
Ethylbenzene	ND	0.0250	1	04/03/23	04/03/23	
Toluene	ND	0.0250	1	04/03/23	04/03/23	
o-Xylene	ND	0.0250	1	04/03/23	04/03/23	
p,m-Xylene	ND	0.0500	1	04/03/23	04/03/23	
Total Xylenes	ND	0.0250	1	04/03/23	04/03/23	
Surrogate: Bromofluorobenzene	91.9 %	70-130		04/03/23	04/03/23	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		04/03/23	04/03/23	
Surrogate: Toluene-d8	105 %	70-130		04/03/23	04/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313098
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/03/23	04/03/23	
Surrogate: Bromofluorobenzene	91.9 %	70-130		04/03/23	04/03/23	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		04/03/23	04/03/23	
Surrogate: Toluene-d8	105 %	70-130		04/03/23	04/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2314004
Diesel Range Organics (C10-C28)	2120	25.0	1	04/03/23	04/04/23	
Oil Range Organics (C28-C36)	1730	50.0	1	04/03/23	04/04/23	
Surrogate: n-Nonane	127 %	50-200		04/03/23	04/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2314008
Chloride	196	20.0	1	04/03/23	04/04/23	



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/4/2023 2:04:05PM

Volatile Organic Compounds by EPA 8260B

Analyst: SL

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

Blank (2313098-BLK1) Prepared: 04/03/23 Analyzed: 04/03/23

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	0.476		0.500		95.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

LCS (2313098-BS1) Prepared: 04/03/23 Analyzed: 04/03/23

Benzene	2.30	0.0250	2.50		92.0	70-130			
Ethylbenzene	2.47	0.0250	2.50		98.6	70-130			
Toluene	2.38	0.0250	2.50		95.3	70-130			
o-Xylene	2.50	0.0250	2.50		99.9	70-130			
p,m-Xylene	4.93	0.0500	5.00		98.6	70-130			
Total Xylenes	7.43	0.0250	7.50		99.0	70-130			
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.7	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			

Matrix Spike (2313098-MS1) Source: E303162-01 Prepared: 04/03/23 Analyzed: 04/03/23

Benzene	2.24	0.0250	2.50	ND	89.7	48-131			
Ethylbenzene	2.39	0.0250	2.50	ND	95.4	45-135			
Toluene	2.31	0.0250	2.50	ND	92.3	48-130			
o-Xylene	2.41	0.0250	2.50	ND	96.4	43-135			
p,m-Xylene	4.74	0.0500	5.00	ND	94.8	43-135			
Total Xylenes	7.15	0.0250	7.50	ND	95.3	43-135			
Surrogate: Bromofluorobenzene	0.500		0.500		99.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			

Matrix Spike Dup (2313098-MSD1) Source: E303162-01 Prepared: 04/03/23 Analyzed: 04/03/23

Benzene	2.25	0.0250	2.50	ND	90.0	48-131	0.378	23	
Ethylbenzene	2.44	0.0250	2.50	ND	97.6	45-135	2.26	27	
Toluene	2.35	0.0250	2.50	ND	94.2	48-130	2.04	24	
o-Xylene	2.46	0.0250	2.50	ND	98.5	43-135	2.16	27	
p,m-Xylene	4.87	0.0500	5.00	ND	97.4	43-135	2.71	27	
Total Xylenes	7.33	0.0250	7.50	ND	97.8	43-135	2.52	27	
Surrogate: Bromofluorobenzene	0.507		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500		100	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/4/2023 2:04:05PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2313098-BLK1) Prepared: 04/03/23 Analyzed: 04/03/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.476		0.500		95.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

LCS (2313098-BS2) Prepared: 04/03/23 Analyzed: 04/03/23

Gasoline Range Organics (C6-C10)	45.3	20.0	50.0		90.5	70-130			
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.2	70-130			

Matrix Spike (2313098-MS2) Source: E303162-01 Prepared: 04/03/23 Analyzed: 04/03/23

Gasoline Range Organics (C6-C10)	49.4	20.0	50.0	ND	98.8	70-130			
Surrogate: Bromofluorobenzene	0.497		0.500		99.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			

Matrix Spike Dup (2313098-MSD2) Source: E303162-01 Prepared: 04/03/23 Analyzed: 04/03/23

Gasoline Range Organics (C6-C10)	48.2	20.0	50.0	ND	96.5	70-130	2.33	20	
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/4/2023 2:04:05PM

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 (2314004-BLK1)					Prepared: 04/03/23 Analyzed: 04/03/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	59.5		50.0		119	50-200			

LCS (2314004-BS1)					Prepared: 04/03/23 Analyzed: 04/03/23				
Diesel Range Organics (C10-C28)	316	25.0	250		127	38-132			
Surrogate: n-Nonane	56.5		50.0		113	50-200			

Matrix Spike (2314004-MS1)					Source: E303128-06		Prepared: 04/03/23 Analyzed: 04/03/23		
Diesel Range Organics (C10-C28)	290	25.0	250	ND	116	38-132			
Surrogate: n-Nonane	48.6		50.0		97.1	50-200			

Matrix Spike Dup (2314004-MSD1)					Source: E303128-06		Prepared: 04/03/23 Analyzed: 04/03/23		
Diesel Range Organics (C10-C28)	284	25.0	250	ND	113	38-132	2.21	20	
Surrogate: n-Nonane	50.0		50.0		100	50-200			



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/4/2023 2:04:05PM

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 (2314008-BLK1)					Prepared: 04/03/23 Analyzed: 04/04/23				
Chloride	ND	20.0							
LCS (2314008-BS1)					Prepared: 04/03/23 Analyzed: 04/04/23				
Chloride	261	20.0	250		104	90-110			
Matrix Spike (2314008-MS1)					Source: E303162-01		Prepared: 04/03/23 Analyzed: 04/04/23		
Chloride	332	20.0	250	63.7	107	80-120			
Matrix Spike Dup (2314008-MSD1)					Source: E303162-01		Prepared: 04/03/23 Analyzed: 04/04/23		
Chloride	334	20.0	250	63.7	108	80-120	0.623	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 6 SWD	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	04/04/23 14:04

- 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 6 SWD</u>					Attention: <u>ESS</u>					Lab WO# <u>E 303162</u>				Job Number <u>20046-0001</u>				1D	2D	3D	Standard	CWA	SDWA
Project Manager:					Address: <u>2724 NW COUNTY ROAD</u>														<input checked="" type="checkbox"/>				
Address:					City, State, Zip <u>HOBBS, NM 88240</u>																		RCRA
City, State, Zip					Phone: <u>575-393-9048</u>																		
Phone:					EMAIL TO: <u>Natalie@energystaffingllc.com</u>													State					
Email:					<u>Dakoatah@energystaffingllc.com</u>													NM	CO	UT	AZ	TX	
Report due by:																							
Time Sampled	Date Sampled	Matrix	No of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	RTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0					RGDOC NM	RGDOC TX				Remarks		
	03/30/23	S	1	SP 2-19'	1											X							
	03/30/23	S	1	SP 3-50SF	2											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: 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="checkbox"/> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4.0</u>
<u>Juan Solis</u>	<u>03/30/23</u>		<u>Michelle Gungor</u>	<u>3-31-23</u>	<u>1300</u>	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<u>Michelle Gungor</u>	<u>3-31-23</u>	<u>1630</u>	<u>Floren</u>	<u>3-31-23</u>	<u>1700</u>	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<u>Floren</u>	<u>3-31-23</u>	<u>2245</u>	<u>Juan Solis</u>	<u>04/03/23</u>	<u>7:10</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 Analytical Laboratory

Printed: 4/3/2023 10:23:08AM

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:	04/03/23 07:10	Work Order ID:	E303162
Phone:	(575) 390-6397	Date Logged In:	03/31/23 15:24	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	04/04/23 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? 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: Courier**Comments/Resolution**

Time sampled and project manager 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

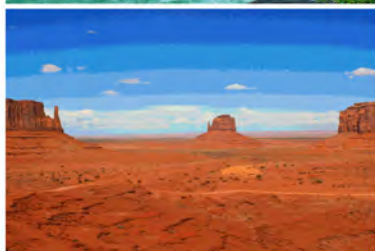
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Natalie Gladden



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Tap Rock

Project Name: Jackson 6 SWD

Work Order: E304004

Job Number: 20046-0001

Received: 4/4/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/5/23

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: 4/5/23

Natalie Gladden
7 W. Compress Road
Artesia, NM 88210



Project Name: Jackson 6 SWD
Workorder: E304004
Date Received: 4/4/2023 7:00:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/4/2023 7:00:00AM, under the Project Name: Jackson 6 SWD.

The analytical test results summarized in this report with the Project Name: Jackson 6 SWD 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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Sample Summary

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	04/05/23 15:54

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP 3 - 14'	E304004-01A	Soil	03/31/23	04/04/23	Glass Jar, 2 oz.
SP 4 - Surf	E304004-02A	Soil	03/31/23	04/04/23	Glass Jar, 2 oz.
SP 5 - Surf	E304004-03A	Soil	03/31/23	04/04/23	Glass Jar, 2 oz.



Sample Data

Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Jackson 6 SWD Project Number: 20046-0001 Project Manager: Natalie Gladden	Reported: 4/5/2023 3:54:58PM
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SP 3 - 14'

E304004-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY		Batch: 2314012	
Benzene	ND	0.0250	1	04/04/23	04/04/23	
Ethylbenzene	ND	0.0250	1	04/04/23	04/04/23	
Toluene	ND	0.0250	1	04/04/23	04/04/23	
o-Xylene	ND	0.0250	1	04/04/23	04/04/23	
p,m-Xylene	ND	0.0500	1	04/04/23	04/04/23	
Total Xylenes	ND	0.0250	1	04/04/23	04/04/23	
<i>Surrogate: Bromofluorobenzene</i>	<i>100 %</i>	<i>70-130</i>		<i>04/04/23</i>	<i>04/04/23</i>	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>116 %</i>	<i>70-130</i>		<i>04/04/23</i>	<i>04/04/23</i>	
<i>Surrogate: Toluene-d8</i>	<i>101 %</i>	<i>70-130</i>		<i>04/04/23</i>	<i>04/04/23</i>	

Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2314012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/04/23	04/04/23	
<i>Surrogate: Bromofluorobenzene</i>	<i>100 %</i>	<i>70-130</i>		<i>04/04/23</i>	<i>04/04/23</i>	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>116 %</i>	<i>70-130</i>		<i>04/04/23</i>	<i>04/04/23</i>	
<i>Surrogate: Toluene-d8</i>	<i>101 %</i>	<i>70-130</i>		<i>04/04/23</i>	<i>04/04/23</i>	

Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2314019	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/04/23	04/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/04/23	04/05/23	
<i>Surrogate: n-Nonane</i>	<i>104 %</i>	<i>50-200</i>		<i>04/04/23</i>	<i>04/05/23</i>	

Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2314020	
Chloride	65.4	20.0	1	04/04/23	04/05/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson 6 SWD
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/5/2023 3:54:58PM

SP 4 - Surf

E304004-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2314012	
Benzene	ND	0.0250	1	04/04/23	04/04/23	
Ethylbenzene	ND	0.0250	1	04/04/23	04/04/23	
Toluene	ND	0.0250	1	04/04/23	04/04/23	
o-Xylene	ND	0.0250	1	04/04/23	04/04/23	
p,m-Xylene	ND	0.0500	1	04/04/23	04/04/23	
Total Xylenes	ND	0.0250	1	04/04/23	04/04/23	
Surrogate: Bromofluorobenzene		101 %	70-130	04/04/23	04/04/23	
Surrogate: 1,2-Dichloroethane-d4		113 %	70-130	04/04/23	04/04/23	
Surrogate: Toluene-d8		103 %	70-130	04/04/23	04/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2314012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/04/23	04/04/23	
Surrogate: Bromofluorobenzene		101 %	70-130	04/04/23	04/04/23	
Surrogate: 1,2-Dichloroethane-d4		113 %	70-130	04/04/23	04/04/23	
Surrogate: Toluene-d8		103 %	70-130	04/04/23	04/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2314019	
Diesel Range Organics (C10-C28)	797	250	10	04/04/23	04/05/23	
Oil Range Organics (C28-C36)	843	500	10	04/04/23	04/05/23	
Surrogate: n-Nonane		116 %	50-200	04/04/23	04/05/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2314020	
Chloride	31.0	20.0	1	04/04/23	04/05/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson 6 SWD
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/5/2023 3:54:58PM

SP 5 - Surf

E304004-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2314012	
Benzene	ND	0.0250	1	04/04/23	04/04/23	
Ethylbenzene	ND	0.0250	1	04/04/23	04/04/23	
Toluene	ND	0.0250	1	04/04/23	04/04/23	
o-Xylene	ND	0.0250	1	04/04/23	04/04/23	
p,m-Xylene	ND	0.0500	1	04/04/23	04/04/23	
Total Xylenes	ND	0.0250	1	04/04/23	04/04/23	
Surrogate: Bromofluorobenzene		104 %	70-130	04/04/23	04/04/23	
Surrogate: 1,2-Dichloroethane-d4		119 %	70-130	04/04/23	04/04/23	
Surrogate: Toluene-d8		101 %	70-130	04/04/23	04/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2314012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/04/23	04/04/23	
Surrogate: Bromofluorobenzene		104 %	70-130	04/04/23	04/04/23	
Surrogate: 1,2-Dichloroethane-d4		119 %	70-130	04/04/23	04/04/23	
Surrogate: Toluene-d8		101 %	70-130	04/04/23	04/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2314019	
Diesel Range Organics (C10-C28)	3650	250	10	04/04/23	04/05/23	
Oil Range Organics (C28-C36)	4020	500	10	04/04/23	04/05/23	
Surrogate: n-Nonane		117 %	50-200	04/04/23	04/05/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2314020	
Chloride	49.4	20.0	1	04/04/23	04/05/23	



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/5/2023 3:54:58PM

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 (2314012-BLK1) Prepared: 04/04/23 Analyzed: 04/05/23

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	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.575		0.500		115	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			

LCS (2314012-BS1) Prepared: 04/04/23 Analyzed: 04/05/23

Benzene	2.31	0.0250	2.50		92.5	70-130			
Ethylbenzene	2.27	0.0250	2.50		90.7	70-130			
Toluene	2.33	0.0250	2.50		93.4	70-130			
o-Xylene	2.30	0.0250	2.50		91.9	70-130			
p,m-Xylene	4.56	0.0500	5.00		91.1	70-130			
Total Xylenes	6.85	0.0250	7.50		91.4	70-130			
Surrogate: Bromofluorobenzene	0.534		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.567		0.500		113	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			

Matrix Spike (2314012-MS1) Source: E304003-02 Prepared: 04/04/23 Analyzed: 04/05/23

Benzene	2.60	0.0250	2.50	ND	104	48-131			
Ethylbenzene	2.54	0.0250	2.50	ND	102	45-135			
Toluene	2.61	0.0250	2.50	ND	104	48-130			
o-Xylene	2.54	0.0250	2.50	ND	102	43-135			
p,m-Xylene	5.10	0.0500	5.00	ND	102	43-135			
Total Xylenes	7.65	0.0250	7.50	ND	102	43-135			
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.555		0.500		111	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			

Matrix Spike Dup (2314012-MSD1) Source: E304003-02 Prepared: 04/04/23 Analyzed: 04/05/23

Benzene	2.59	0.0250	2.50	ND	103	48-131	0.405	23	
Ethylbenzene	2.57	0.0250	2.50	ND	103	45-135	0.901	27	
Toluene	2.62	0.0250	2.50	ND	105	48-130	0.287	24	
o-Xylene	2.57	0.0250	2.50	ND	103	43-135	1.06	27	
p,m-Xylene	5.12	0.0500	5.00	ND	102	43-135	0.420	27	
Total Xylenes	7.69	0.0250	7.50	ND	103	43-135	0.632	27	
Surrogate: Bromofluorobenzene	0.532		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.572		0.500		114	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/5/2023 3:54:58PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2314012-BLK1) Prepared: 04/04/23 Analyzed: 04/05/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.575		0.500		115	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			

LCS (2314012-BS2) Prepared: 04/04/23 Analyzed: 04/05/23

Gasoline Range Organics (C6-C10)	52.0	20.0	50.0		104	70-130			
Surrogate: Bromofluorobenzene	0.514		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.570		0.500		114	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			

Matrix Spike (2314012-MS2) Source: E304003-02 Prepared: 04/04/23 Analyzed: 04/05/23

Gasoline Range Organics (C6-C10)	52.8	20.0	50.0	ND	106	70-130			
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.568		0.500		114	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

Matrix Spike Dup (2314012-MSD2) Source: E304003-02 Prepared: 04/04/23 Analyzed: 04/05/23

Gasoline Range Organics (C6-C10)	54.1	20.0	50.0	ND	108	70-130	2.54	20	
Surrogate: Bromofluorobenzene	0.512		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.591		0.500		118	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/5/2023 3:54:58PM

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 (2314019-BLK1)					Prepared: 04/04/23 Analyzed: 04/05/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.4		50.0		105	50-200			

LCS (2314019-BS1)					Prepared: 04/04/23 Analyzed: 04/05/23				
Diesel Range Organics (C10-C28)	251	25.0	250		101	38-132			
Surrogate: n-Nonane	50.8		50.0		102	50-200			

Matrix Spike (2314019-MS1)					Source: E304003-01		Prepared: 04/04/23 Analyzed: 04/05/23		
Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132			
Surrogate: n-Nonane	50.9		50.0		102	50-200			

Matrix Spike Dup (2314019-MSD1)					Source: E304003-01		Prepared: 04/04/23 Analyzed: 04/05/23		
Diesel Range Organics (C10-C28)	290	25.0	250	ND	116	38-132	9.17	20	
Surrogate: n-Nonane	50.5		50.0		101	50-200			



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/5/2023 3:54:58PM

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2314020-BLK1)					Prepared: 04/04/23 Analyzed: 04/04/23				
Chloride	ND	20.0							
LCS (2314020-BS1)					Prepared: 04/04/23 Analyzed: 04/04/23				
Chloride	246	20.0	250		98.3	90-110			
Matrix Spike (2314020-MS1)					Source: E304001-01		Prepared: 04/04/23 Analyzed: 04/04/23		
Chloride	490	20.0	250	250	95.9	80-120			
Matrix Spike Dup (2314020-MSD1)					Source: E304001-01		Prepared: 04/04/23 Analyzed: 04/04/23		
Chloride	525	20.0	250	250	110	80-120	7.02	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 6 SWD	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	04/05/23 15:54

- 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.



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: <u>Juan Solis</u>						
Relinquished by: (Signature) <u>Juan Solis</u>	Date <u>03/31/23</u>	Time	Received by: (Signature) <u>Michelle Camzales</u>	Date <u>4-3-23</u>	Time <u>1240</u>	Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4.0</u>
Relinquished by: (Signature) <u>Michelle Camzales</u>	Date <u>4-3-23</u>	Time <u>1630</u>	Received by: (Signature) <u>Korey Lee</u>	Date <u>4-3-23</u>	Time <u>1645</u>	
Relinquished by: (Signature) <u>Korey Lee</u>	Date <u>4-3-23</u>	Time <u>2245</u>	Received by: (Signature) <u>Zhen Zou</u>	Date <u>4/4/23</u>	Time <u>7:00</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 Analytical Laboratory

Printed: 4/4/2023 9:11:05AM

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:	04/04/23 07:00	Work Order ID:	E304004
Phone:	(575) 390-6397	Date Logged In:	04/03/23 15:14	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	04/05/23 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

Project manager and 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 6 SWD

Work Order: E304015

Job Number: 20046-0001

Received: 4/5/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/6/23

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: 4/6/23

Natalie Gladden
7 W. Compress Road
Artesia, NM 88210



Project Name: Jackson 6 SWD
Workorder: E304015
Date Received: 4/5/2023 7:00:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/5/2023 7:00:00AM, under the Project Name: Jackson 6 SWD.

The analytical test results summarized in this report with the Project Name: Jackson 6 SWD 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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Sample Summary

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	04/06/23 13:32

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP 4 - 21'	E304015-01A	Soil	04/03/23	04/05/23	Glass Jar, 2 oz.
SP 5 - 15'	E304015-02A	Soil	04/03/23	04/05/23	Glass Jar, 2 oz.
SP 6 - SURF	E304015-03A	Soil	04/03/23	04/05/23	Glass Jar, 2 oz.
SP 7 - SURF	E304015-04A	Soil	04/03/23	04/05/23	Glass Jar, 2 oz.



Sample Data

Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Jackson 6 SWD Project Number: 20046-0001 Project Manager: Natalie Gladden	Reported: 4/6/2023 1:32:52PM
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SP 4 - 21'

E304015-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2314027
Benzene	ND	0.0250	1	04/05/23	04/05/23	
Ethylbenzene	ND	0.0250	1	04/05/23	04/05/23	
Toluene	ND	0.0250	1	04/05/23	04/05/23	
o-Xylene	ND	0.0250	1	04/05/23	04/05/23	
p,m-Xylene	ND	0.0500	1	04/05/23	04/05/23	
Total Xylenes	ND	0.0250	1	04/05/23	04/05/23	
Surrogate: Bromofluorobenzene	94.7 %	70-130		04/05/23	04/05/23	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		04/05/23	04/05/23	
Surrogate: Toluene-d8	102 %	70-130		04/05/23	04/05/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2314027
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/05/23	04/05/23	
Surrogate: Bromofluorobenzene	94.7 %	70-130		04/05/23	04/05/23	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		04/05/23	04/05/23	
Surrogate: Toluene-d8	102 %	70-130		04/05/23	04/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2314032
Diesel Range Organics (C10-C28)	ND	25.0	1	04/05/23	04/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/05/23	04/06/23	
Surrogate: n-Nonane	106 %	50-200		04/05/23	04/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2314036
Chloride	63.4	20.0	1	04/05/23	04/05/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson 6 SWD
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/6/2023 1:32:52PM

SP 5 - 15'

E304015-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2314027	
Benzene	ND	0.0250	1	04/05/23	04/05/23	
Ethylbenzene	ND	0.0250	1	04/05/23	04/05/23	
Toluene	ND	0.0250	1	04/05/23	04/05/23	
o-Xylene	ND	0.0250	1	04/05/23	04/05/23	
p,m-Xylene	ND	0.0500	1	04/05/23	04/05/23	
Total Xylenes	ND	0.0250	1	04/05/23	04/05/23	
Surrogate: Bromofluorobenzene	94.2 %	70-130		04/05/23	04/05/23	
Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130		04/05/23	04/05/23	
Surrogate: Toluene-d8	102 %	70-130		04/05/23	04/05/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2314027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/05/23	04/05/23	
Surrogate: Bromofluorobenzene	94.2 %	70-130		04/05/23	04/05/23	
Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130		04/05/23	04/05/23	
Surrogate: Toluene-d8	102 %	70-130		04/05/23	04/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2314032	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/05/23	04/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/05/23	04/06/23	
Surrogate: n-Nonane	107 %	50-200		04/05/23	04/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2314036	
Chloride	67.6	20.0	1	04/05/23	04/05/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson 6 SWD
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/6/2023 1:32:52PM

SP 6 - SURF

E304015-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2314027
Benzene	ND	0.0250	1	04/05/23	04/05/23	
Ethylbenzene	0.761	0.0250	1	04/05/23	04/05/23	
Toluene	ND	0.0250	1	04/05/23	04/05/23	
o-Xylene	1.08	0.0250	1	04/05/23	04/05/23	
p,m-Xylene	1.78	0.0500	1	04/05/23	04/05/23	
Total Xylenes	2.86	0.0250	1	04/05/23	04/05/23	
Surrogate: Bromofluorobenzene		104 %	70-130	04/05/23	04/05/23	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	04/05/23	04/05/23	
Surrogate: Toluene-d8		106 %	70-130	04/05/23	04/05/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2314027
Gasoline Range Organics (C6-C10)	87.3	20.0	1	04/05/23	04/05/23	
Surrogate: Bromofluorobenzene		104 %	70-130	04/05/23	04/05/23	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	04/05/23	04/05/23	
Surrogate: Toluene-d8		106 %	70-130	04/05/23	04/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2314032
Diesel Range Organics (C10-C28)	9710	250	10	04/05/23	04/06/23	
Oil Range Organics (C28-C36)	5900	500	10	04/05/23	04/06/23	
Surrogate: n-Nonane		120 %	50-200	04/05/23	04/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2314036
Chloride	439	20.0	1	04/05/23	04/05/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson 6 SWD
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/6/2023 1:32:52PM

SP 7 - SURF

E304015-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2314027
Benzene	ND	0.0250	1	04/05/23	04/05/23	
Ethylbenzene	ND	0.0250	1	04/05/23	04/05/23	
Toluene	ND	0.0250	1	04/05/23	04/05/23	
o-Xylene	ND	0.0250	1	04/05/23	04/05/23	
p,m-Xylene	ND	0.0500	1	04/05/23	04/05/23	
Total Xylenes	ND	0.0250	1	04/05/23	04/05/23	
Surrogate: Bromofluorobenzene	98.0 %	70-130		04/05/23	04/05/23	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130		04/05/23	04/05/23	
Surrogate: Toluene-d8	102 %	70-130		04/05/23	04/05/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2314027
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/05/23	04/05/23	
Surrogate: Bromofluorobenzene	98.0 %	70-130		04/05/23	04/05/23	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130		04/05/23	04/05/23	
Surrogate: Toluene-d8	102 %	70-130		04/05/23	04/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2314032
Diesel Range Organics (C10-C28)	683	25.0	1	04/05/23	04/06/23	
Oil Range Organics (C28-C36)	679	50.0	1	04/05/23	04/06/23	
Surrogate: n-Nonane	110 %	50-200		04/05/23	04/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2314036
Chloride	1210	20.0	1	04/05/23	04/05/23	



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/6/2023 1:32:52PM

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 (2314027-BLK1) Prepared: 04/05/23 Analyzed: 04/05/23

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	0.472		0.500		94.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

LCS (2314027-BS1) Prepared: 04/05/23 Analyzed: 04/05/23

Benzene	2.16	0.0250	2.50		86.3	70-130			
Ethylbenzene	2.30	0.0250	2.50		92.0	70-130			
Toluene	2.24	0.0250	2.50		89.8	70-130			
o-Xylene	2.29	0.0250	2.50		91.7	70-130			
p,m-Xylene	4.55	0.0500	5.00		91.0	70-130			
Total Xylenes	6.84	0.0250	7.50		91.2	70-130			
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			

Matrix Spike (2314027-MS1) Source: E304013-09 Prepared: 04/05/23 Analyzed: 04/05/23

Benzene	2.23	0.0250	2.50	ND	89.2	48-131			
Ethylbenzene	2.35	0.0250	2.50	ND	94.1	45-135			
Toluene	2.29	0.0250	2.50	ND	91.5	48-130			
o-Xylene	2.38	0.0250	2.50	ND	95.2	43-135			
p,m-Xylene	4.65	0.0500	5.00	ND	93.0	43-135			
Total Xylenes	7.03	0.0250	7.50	ND	93.8	43-135			
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			

Matrix Spike Dup (2314027-MSD1) Source: E304013-09 Prepared: 04/05/23 Analyzed: 04/05/23

Benzene	2.22	0.0250	2.50	ND	88.6	48-131	0.630	23	
Ethylbenzene	2.36	0.0250	2.50	ND	94.6	45-135	0.530	27	
Toluene	2.29	0.0250	2.50	ND	91.7	48-130	0.218	24	
o-Xylene	2.39	0.0250	2.50	ND	95.4	43-135	0.273	27	
p,m-Xylene	4.73	0.0500	5.00	ND	94.5	43-135	1.61	27	
Total Xylenes	7.11	0.0250	7.50	ND	94.8	43-135	1.16	27	
Surrogate: Bromofluorobenzene	0.507		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/6/2023 1:32:52PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2314027-BLK1) Prepared: 04/05/23 Analyzed: 04/05/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.472		0.500		94.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

LCS (2314027-BS2) Prepared: 04/05/23 Analyzed: 04/05/23

Gasoline Range Organics (C6-C10)	48.4	20.0	50.0		96.7	70-130			
Surrogate: Bromofluorobenzene	0.495		0.500		99.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.5	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			

Matrix Spike (2314027-MS2) Source: E304013-09 Prepared: 04/05/23 Analyzed: 04/05/23

Gasoline Range Organics (C6-C10)	48.7	20.0	50.0	ND	97.4	70-130			
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.514		0.500		103	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			

Matrix Spike Dup (2314027-MSD2) Source: E304013-09 Prepared: 04/05/23 Analyzed: 04/05/23

Gasoline Range Organics (C6-C10)	48.2	20.0	50.0	ND	96.5	70-130	0.932	20	
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/6/2023 1:32:52PM

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 (2314032-BLK1)					Prepared: 04/05/23 Analyzed: 04/05/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	58.5		50.0		117	50-200			

LCS (2314032-BS1)					Prepared: 04/05/23 Analyzed: 04/05/23				
Diesel Range Organics (C10-C28)	273	25.0	250		109	38-132			
Surrogate: n-Nonane	48.3		50.0		96.6	50-200			

Matrix Spike (2314032-MS1)					Source: E304013-09		Prepared: 04/05/23 Analyzed: 04/05/23		
Diesel Range Organics (C10-C28)	279	25.0	250	ND	112	38-132			
Surrogate: n-Nonane	43.7		50.0		87.5	50-200			

Matrix Spike Dup (2314032-MSD1)					Source: E304013-09		Prepared: 04/05/23 Analyzed: 04/05/23		
Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	38-132	2.62	20	
Surrogate: n-Nonane	48.4		50.0		96.7	50-200			



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/6/2023 1:32:52PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2314036-BLK1)					Prepared: 04/05/23 Analyzed: 04/05/23				
Chloride	ND	20.0							
LCS (2314036-BS1)					Prepared: 04/05/23 Analyzed: 04/05/23				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2314036-MS1)					Source: E304017-01		Prepared: 04/05/23 Analyzed: 04/05/23		
Chloride	337	20.0	250	85.8	100	80-120			
Matrix Spike Dup (2314036-MSD1)					Source: E304017-01		Prepared: 04/05/23 Analyzed: 04/05/23		
Chloride	341	20.0	250	85.8	102	80-120	1.08	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 6 SWD	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	04/06/23 13:32

- 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.



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Envirotech Analytical Laboratory

Printed: 4/6/2023 11:36:34AM

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:	04/05/23 07:00	Work Order ID:	E304015
Phone:	(575) 390-6397	Date Logged In:	04/04/23 16:24	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	04/06/23 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

Project manager and 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 6 SWD

Work Order: E304024

Job Number: 20046-0001

Received: 4/7/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/10/23

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: 4/10/23

Natalie Gladden
7 W. Compress Road
Artesia, NM 88210



Project Name: Jackson 6 SWD
Workorder: E304024
Date Received: 4/7/2023 7:00:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/7/2023 7:00:00AM, under the Project Name: Jackson 6 SWD.

The analytical test results summarized in this report with the Project Name: Jackson 6 SWD 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 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	04/10/23 15:13

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP 6 - 6'	E304024-01A	Soil	04/04/23	04/07/23	Glass Jar, 2 oz.
SP 7 - 6'	E304024-02A	Soil	04/04/23	04/07/23	Glass Jar, 2 oz.
SP 8 - SURF	E304024-03A	Soil	04/04/23	04/07/23	Glass Jar, 2 oz.
SP 8 - 2'	E304024-04A	Soil	04/04/23	04/07/23	Glass Jar, 2 oz.
SP 9 - SURF	E304024-05A	Soil	04/04/23	04/07/23	Glass Jar, 2 oz.
SP 9 - 2'	E304024-06A	Soil	04/04/23	04/07/23	Glass Jar, 2 oz.
SP 10 - SURF	E304024-07A	Soil	04/04/23	04/07/23	Glass Jar, 2 oz.
SP 11 - SURF	E304024-08A	Soil	04/04/23	04/07/23	Glass Jar, 2 oz.

Sample Data

Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Jackson 6 SWD Project Number: 20046-0001 Project Manager: Natalie Gladden	Reported: 4/10/2023 3:13:21PM
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SP 6 - 6'

E304024-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL		Batch: 2314050	
Benzene	ND	0.0250	1	04/07/23	04/07/23	
Ethylbenzene	ND	0.0250	1	04/07/23	04/07/23	
Toluene	ND	0.0250	1	04/07/23	04/07/23	
o-Xylene	ND	0.0250	1	04/07/23	04/07/23	
p,m-Xylene	ND	0.0500	1	04/07/23	04/07/23	
Total Xylenes	ND	0.0250	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene	99.3 %	70-130		04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130		04/07/23	04/07/23	
Surrogate: Toluene-d8	102 %	70-130		04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2314050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene	99.3 %	70-130		04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130		04/07/23	04/07/23	
Surrogate: Toluene-d8	102 %	70-130		04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2314056	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/07/23	04/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/07/23	04/07/23	
Surrogate: n-Nonane	109 %	50-200		04/07/23	04/07/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2314051	
Chloride	64.5	20.0	1	04/07/23	04/07/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson 6 SWD
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/10/2023 3:13:21PM

SP 7 - 6'

E304024-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2314050
Benzene	ND	0.0250	1	04/07/23	04/07/23	
Ethylbenzene	ND	0.0250	1	04/07/23	04/07/23	
Toluene	ND	0.0250	1	04/07/23	04/07/23	
o-Xylene	ND	0.0250	1	04/07/23	04/07/23	
p,m-Xylene	ND	0.0500	1	04/07/23	04/07/23	
Total Xylenes	ND	0.0250	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		100 %	70-130	04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130	04/07/23	04/07/23	
Surrogate: Toluene-d8		104 %	70-130	04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2314050
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		100 %	70-130	04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130	04/07/23	04/07/23	
Surrogate: Toluene-d8		104 %	70-130	04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2314056
Diesel Range Organics (C10-C28)	ND	25.0	1	04/07/23	04/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/07/23	04/07/23	
Surrogate: n-Nonane		107 %	50-200	04/07/23	04/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2314051
Chloride	68.4	20.0	1	04/07/23	04/07/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson 6 SWD
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/10/2023 3:13:21PM

SP 8 - SURF

E304024-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2314050
Benzene	ND	0.0250	1	04/07/23	04/07/23	
Ethylbenzene	ND	0.0250	1	04/07/23	04/07/23	
Toluene	ND	0.0250	1	04/07/23	04/07/23	
o-Xylene	ND	0.0250	1	04/07/23	04/07/23	
p,m-Xylene	ND	0.0500	1	04/07/23	04/07/23	
Total Xylenes	ND	0.0250	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		101 %	70-130	04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130	04/07/23	04/07/23	
Surrogate: Toluene-d8		102 %	70-130	04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2314050
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		101 %	70-130	04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130	04/07/23	04/07/23	
Surrogate: Toluene-d8		102 %	70-130	04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2314056
Diesel Range Organics (C10-C28)	ND	25.0	1	04/07/23	04/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/07/23	04/07/23	
Surrogate: n-Nonane		109 %	50-200	04/07/23	04/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2314051
Chloride	25.4	20.0	1	04/07/23	04/07/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson 6 SWD
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/10/2023 3:13:21PM

SP 8 - 2'

E304024-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2314050
Benzene	ND	0.0250	1	04/07/23	04/07/23	
Ethylbenzene	ND	0.0250	1	04/07/23	04/07/23	
Toluene	ND	0.0250	1	04/07/23	04/07/23	
o-Xylene	ND	0.0250	1	04/07/23	04/07/23	
p,m-Xylene	ND	0.0500	1	04/07/23	04/07/23	
Total Xylenes	ND	0.0250	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene	99.4 %	70-130		04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		04/07/23	04/07/23	
Surrogate: Toluene-d8	103 %	70-130		04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2314050
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene	99.4 %	70-130		04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		04/07/23	04/07/23	
Surrogate: Toluene-d8	103 %	70-130		04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2314056
Diesel Range Organics (C10-C28)	ND	25.0	1	04/07/23	04/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/07/23	04/07/23	
Surrogate: n-Nonane	109 %	50-200		04/07/23	04/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2314051
Chloride	24.5	20.0	1	04/07/23	04/07/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson 6 SWD
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/10/2023 3:13:21PM

SP 9 - SURF

E304024-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2314050
Benzene	ND	0.0250	1	04/07/23	04/07/23	
Ethylbenzene	ND	0.0250	1	04/07/23	04/07/23	
Toluene	ND	0.0250	1	04/07/23	04/07/23	
o-Xylene	ND	0.0250	1	04/07/23	04/07/23	
p,m-Xylene	ND	0.0500	1	04/07/23	04/07/23	
Total Xylenes	ND	0.0250	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		101 %	70-130	04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	04/07/23	04/07/23	
Surrogate: Toluene-d8		103 %	70-130	04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2314050
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		101 %	70-130	04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	04/07/23	04/07/23	
Surrogate: Toluene-d8		103 %	70-130	04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2314056
Diesel Range Organics (C10-C28)	3230	50.0	2	04/07/23	04/08/23	
Oil Range Organics (C28-C36)	4000	100	2	04/07/23	04/08/23	
Surrogate: n-Nonane		108 %	50-200	04/07/23	04/08/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2314051
Chloride	177	20.0	1	04/07/23	04/07/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson 6 SWD
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/10/2023 3:13:21PM

SP 9 - 2'

E304024-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2314050	
Benzene	ND	0.0250	1	04/07/23	04/07/23	
Ethylbenzene	ND	0.0250	1	04/07/23	04/07/23	
Toluene	ND	0.0250	1	04/07/23	04/07/23	
o-Xylene	ND	0.0250	1	04/07/23	04/07/23	
p,m-Xylene	ND	0.0500	1	04/07/23	04/07/23	
Total Xylenes	ND	0.0250	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene	96.4 %	70-130		04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		04/07/23	04/07/23	
Surrogate: Toluene-d8	101 %	70-130		04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2314050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene	96.4 %	70-130		04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		04/07/23	04/07/23	
Surrogate: Toluene-d8	101 %	70-130		04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2314056	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/07/23	04/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/07/23	04/07/23	
Surrogate: n-Nonane	109 %	50-200		04/07/23	04/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2314051	
Chloride	395	20.0	1	04/07/23	04/07/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson 6 SWD
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/10/2023 3:13:21PM

SP 10 - SURF

E304024-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2314050
Benzene	ND	0.0250	1	04/07/23	04/07/23	
Ethylbenzene	ND	0.0250	1	04/07/23	04/07/23	
Toluene	ND	0.0250	1	04/07/23	04/07/23	
o-Xylene	ND	0.0250	1	04/07/23	04/07/23	
p,m-Xylene	ND	0.0500	1	04/07/23	04/07/23	
Total Xylenes	ND	0.0250	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		102 %	70-130	04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	04/07/23	04/07/23	
Surrogate: Toluene-d8		106 %	70-130	04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2314050
Gasoline Range Organics (C6-C10)	26.5	20.0	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		102 %	70-130	04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	04/07/23	04/07/23	
Surrogate: Toluene-d8		106 %	70-130	04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2314056
Diesel Range Organics (C10-C28)	12000	1250	50	04/07/23	04/10/23	
Oil Range Organics (C28-C36)	16400	2500	50	04/07/23	04/10/23	
Surrogate: n-Nonane		118 %	50-200	04/07/23	04/10/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2314051
Chloride	1740	40.0	2	04/07/23	04/07/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson 6 SWD
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/10/2023 3:13:21PM

SP 11 - SURF

E304024-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2314050	
Benzene	ND	0.0250	1	04/07/23	04/07/23	
Ethylbenzene	ND	0.0250	1	04/07/23	04/07/23	
Toluene	ND	0.0250	1	04/07/23	04/07/23	
o-Xylene	0.0410	0.0250	1	04/07/23	04/07/23	
p,m-Xylene	0.0655	0.0500	1	04/07/23	04/07/23	
Total Xylenes	0.107	0.0250	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene	101 %	70-130		04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4	99.3 %	70-130		04/07/23	04/07/23	
Surrogate: Toluene-d8	107 %	70-130		04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2314050	
Gasoline Range Organics (C6-C10)	24.6	20.0	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene	101 %	70-130		04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4	99.3 %	70-130		04/07/23	04/07/23	
Surrogate: Toluene-d8	107 %	70-130		04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2314056	
Diesel Range Organics (C10-C28)	9490	1250	50	04/07/23	04/10/23	
Oil Range Organics (C28-C36)	10400	2500	50	04/07/23	04/10/23	
Surrogate: n-Nonane	116 %	50-200		04/07/23	04/10/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2314051	
Chloride	1400	20.0	1	04/07/23	04/07/23	



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/10/2023 3:13:21PM

Volatile Organic Compounds by EPA 8260B

Analyst: SL

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

Blank (2314050-BLK1) Prepared: 04/07/23 Analyzed: 04/07/23

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	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			

LCS (2314050-BS1) Prepared: 04/07/23 Analyzed: 04/07/23

Benzene	2.47	0.0250	2.50		98.9	70-130			
Ethylbenzene	2.47	0.0250	2.50		99.0	70-130			
Toluene	2.46	0.0250	2.50		98.2	70-130			
o-Xylene	2.39	0.0250	2.50		95.7	70-130			
p,m-Xylene	4.71	0.0500	5.00		94.2	70-130			
Total Xylenes	7.10	0.0250	7.50		94.7	70-130			
Surrogate: Bromofluorobenzene	0.467		0.500		93.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			

Matrix Spike (2314050-MS1) Source: E304023-02 Prepared: 04/07/23 Analyzed: 04/07/23

Benzene	2.51	0.0250	2.50	ND	100	48-131			
Ethylbenzene	2.56	0.0250	2.50	ND	103	45-135			
Toluene	2.54	0.0250	2.50	ND	102	48-130			
o-Xylene	2.55	0.0250	2.50	ND	102	43-135			
p,m-Xylene	5.01	0.0500	5.00	ND	100	43-135			
Total Xylenes	7.56	0.0250	7.50	ND	101	43-135			
Surrogate: Bromofluorobenzene	0.482		0.500		96.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500		100	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			

Matrix Spike Dup (2314050-MSD1) Source: E304023-02 Prepared: 04/07/23 Analyzed: 04/07/23

Benzene	2.18	0.0250	2.50	ND	87.0	48-131	14.4	23	
Ethylbenzene	2.19	0.0250	2.50	ND	87.5	45-135	15.9	27	
Toluene	2.18	0.0250	2.50	ND	87.2	48-130	15.4	24	
o-Xylene	2.20	0.0250	2.50	ND	87.9	43-135	14.8	27	
p,m-Xylene	4.31	0.0500	5.00	ND	86.1	43-135	15.1	27	
Total Xylenes	6.50	0.0250	7.50	ND	86.7	43-135	15.0	27	
Surrogate: Bromofluorobenzene	0.485		0.500		97.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/10/2023 3:13:21PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2314050-BLK1) Prepared: 04/07/23 Analyzed: 04/07/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			

LCS (2314050-BS2) Prepared: 04/07/23 Analyzed: 04/07/23

Gasoline Range Organics (C6-C10)	47.5	20.0	50.0		95.1	70-130			
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.524		0.500		105	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			

Matrix Spike (2314050-MS2) Source: E304023-02 Prepared: 04/07/23 Analyzed: 04/07/23

Gasoline Range Organics (C6-C10)	51.4	20.0	50.0	ND	103	70-130			
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.534		0.500		107	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			

Matrix Spike Dup (2314050-MSD2) Source: E304023-02 Prepared: 04/07/23 Analyzed: 04/07/23

Gasoline Range Organics (C6-C10)	50.4	20.0	50.0	ND	101	70-130	2.10	20	
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/10/2023 3:13:21PM

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 (2314056-BLK1)					Prepared: 04/07/23 Analyzed: 04/07/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.9		50.0		108	50-200			

LCS (2314056-BS1)					Prepared: 04/07/23 Analyzed: 04/07/23				
Diesel Range Organics (C10-C28)	307	25.0	250		123	38-132			
Surrogate: n-Nonane	52.9		50.0		106	50-200			

Matrix Spike (2314056-MS1)					Source: E304024-01		Prepared: 04/07/23 Analyzed: 04/07/23		
Diesel Range Organics (C10-C28)	313	25.0	250	ND	125	38-132			
Surrogate: n-Nonane	50.4		50.0		101	50-200			

Matrix Spike Dup (2314056-MSD1)					Source: E304024-01		Prepared: 04/07/23 Analyzed: 04/07/23		
Diesel Range Organics (C10-C28)	309	25.0	250	ND	124	38-132	1.34	20	
Surrogate: n-Nonane	47.8		50.0		95.6	50-200			



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/10/2023 3:13:21PM

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 (2314051-BLK1)					Prepared: 04/07/23 Analyzed: 04/07/23				
Chloride	ND	20.0							
LCS (2314051-BS1)					Prepared: 04/07/23 Analyzed: 04/07/23				
Chloride	249	20.0	250		99.6	90-110			
Matrix Spike (2314051-MS1)					Source: E304023-01		Prepared: 04/07/23 Analyzed: 04/07/23		
Chloride	261	20.0	250	ND	104	80-120			
Matrix Spike Dup (2314051-MSD1)					Source: E304023-01		Prepared: 04/07/23 Analyzed: 04/07/23		
Chloride	261	20.0	250	ND	104	80-120	0.109	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 6 SWD	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	04/10/23 15:13

- 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.



Additional Instructions:

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. ~~Unanalyzed 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 client~~ **Page 18 of 19** ~~is limited to the amount paid for on the report.~~

Envirotech Analytical Laboratory

Printed: 4/7/2023 9:23:09AM

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:	04/07/23 07:00	Work Order ID:	E304024
Phone:	(575) 390-6397	Date Logged In:	04/06/23 16:01	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	04/10/23 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

Project manager and 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 6 SWD

Work Order: E304028

Job Number: 20046-0001

Received: 4/7/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/10/23

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: 4/10/23

Natalie Gladden
7 W. Compress Road
Artesia, NM 88210



Project Name: Jackson 6 SWD
Workorder: E304028
Date Received: 4/7/2023 8:15:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/7/2023 8:15:00AM, under the Project Name: Jackson 6 SWD.

The analytical test results summarized in this report with the Project Name: Jackson 6 SWD 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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Sample Summary

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	04/10/23 15:15

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP 10 - 13'	E304028-01A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.



Sample Data

Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Jackson 6 SWD Project Number: 20046-0001 Project Manager: Natalie Gladden	Reported: 4/10/2023 3:15:02PM
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SP 10 - 13'

E304028-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2314050
Benzene	ND	0.0250	1	04/07/23	04/07/23	
Ethylbenzene	ND	0.0250	1	04/07/23	04/07/23	
Toluene	ND	0.0250	1	04/07/23	04/07/23	
o-Xylene	ND	0.0250	1	04/07/23	04/07/23	
p,m-Xylene	ND	0.0500	1	04/07/23	04/07/23	
Total Xylenes	ND	0.0250	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene	99.5 %	70-130		04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		04/07/23	04/07/23	
Surrogate: Toluene-d8	115 %	70-130		04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2314050
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene	99.5 %	70-130		04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		04/07/23	04/07/23	
Surrogate: Toluene-d8	115 %	70-130		04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2314056
Diesel Range Organics (C10-C28)	ND	25.0	1	04/07/23	04/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/07/23	04/08/23	
Surrogate: n-Nonane	112 %	50-200		04/07/23	04/08/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2314051
Chloride	64.9	20.0	1	04/07/23	04/07/23	



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/10/2023 3:15:02PM

Volatile Organic Compounds by EPA 8260B

Analyst: SL

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

Blank (2314050-BLK1) Prepared: 04/07/23 Analyzed: 04/07/23

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	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			

LCS (2314050-BS1) Prepared: 04/07/23 Analyzed: 04/07/23

Benzene	2.47	0.0250	2.50		98.9	70-130			
Ethylbenzene	2.47	0.0250	2.50		99.0	70-130			
Toluene	2.46	0.0250	2.50		98.2	70-130			
o-Xylene	2.39	0.0250	2.50		95.7	70-130			
p,m-Xylene	4.71	0.0500	5.00		94.2	70-130			
Total Xylenes	7.10	0.0250	7.50		94.7	70-130			
Surrogate: Bromofluorobenzene	0.467		0.500		93.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			

Matrix Spike (2314050-MS1) Source: E304023-02 Prepared: 04/07/23 Analyzed: 04/07/23

Benzene	2.51	0.0250	2.50	ND	100	48-131			
Ethylbenzene	2.56	0.0250	2.50	ND	103	45-135			
Toluene	2.54	0.0250	2.50	ND	102	48-130			
o-Xylene	2.55	0.0250	2.50	ND	102	43-135			
p,m-Xylene	5.01	0.0500	5.00	ND	100	43-135			
Total Xylenes	7.56	0.0250	7.50	ND	101	43-135			
Surrogate: Bromofluorobenzene	0.482		0.500		96.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500		100	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			

Matrix Spike Dup (2314050-MSD1) Source: E304023-02 Prepared: 04/07/23 Analyzed: 04/07/23

Benzene	2.18	0.0250	2.50	ND	87.0	48-131	14.4	23	
Ethylbenzene	2.19	0.0250	2.50	ND	87.5	45-135	15.9	27	
Toluene	2.18	0.0250	2.50	ND	87.2	48-130	15.4	24	
o-Xylene	2.20	0.0250	2.50	ND	87.9	43-135	14.8	27	
p,m-Xylene	4.31	0.0500	5.00	ND	86.1	43-135	15.1	27	
Total Xylenes	6.50	0.0250	7.50	ND	86.7	43-135	15.0	27	
Surrogate: Bromofluorobenzene	0.485		0.500		97.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/10/2023 3:15:02PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2314050-BLK1) Prepared: 04/07/23 Analyzed: 04/07/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			

LCS (2314050-BS2) Prepared: 04/07/23 Analyzed: 04/07/23

Gasoline Range Organics (C6-C10)	47.5	20.0	50.0		95.1	70-130			
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.524		0.500		105	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			

Matrix Spike (2314050-MS2) Source: E304023-02 Prepared: 04/07/23 Analyzed: 04/07/23

Gasoline Range Organics (C6-C10)	51.4	20.0	50.0	ND	103	70-130			
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.534		0.500		107	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			

Matrix Spike Dup (2314050-MSD2) Source: E304023-02 Prepared: 04/07/23 Analyzed: 04/07/23

Gasoline Range Organics (C6-C10)	50.4	20.0	50.0	ND	101	70-130	2.10	20	
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/10/2023 3:15:02PM

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 (2314056-BLK1)					Prepared: 04/07/23 Analyzed: 04/07/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.9		50.0		108	50-200			

LCS (2314056-BS1)					Prepared: 04/07/23 Analyzed: 04/07/23				
Diesel Range Organics (C10-C28)	307	25.0	250		123	38-132			
Surrogate: n-Nonane	52.9		50.0		106	50-200			

Matrix Spike (2314056-MS1)					Source: E304024-01		Prepared: 04/07/23 Analyzed: 04/07/23		
Diesel Range Organics (C10-C28)	313	25.0	250	ND	125	38-132			
Surrogate: n-Nonane	50.4		50.0		101	50-200			

Matrix Spike Dup (2314056-MSD1)					Source: E304024-01		Prepared: 04/07/23 Analyzed: 04/07/23		
Diesel Range Organics (C10-C28)	309	25.0	250	ND	124	38-132	1.34	20	
Surrogate: n-Nonane	47.8		50.0		95.6	50-200			



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/10/2023 3:15:02PM

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 (2314051-BLK1)					Prepared: 04/07/23 Analyzed: 04/07/23				
Chloride	ND	20.0							
LCS (2314051-BS1)					Prepared: 04/07/23 Analyzed: 04/07/23				
Chloride	249	20.0	250		99.6	90-110			
Matrix Spike (2314051-MS1)					Source: E304023-01		Prepared: 04/07/23 Analyzed: 04/07/23		
Chloride	261	20.0	250	ND	104	80-120			
Matrix Spike Dup (2314051-MSD1)					Source: E304023-01		Prepared: 04/07/23 Analyzed: 04/07/23		
Chloride	261	20.0	250	ND	104	80-120	0.109	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 6 SWD	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	04/10/23 15:15

- 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.

Additional Instructions:

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

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.

Page 11 of 12

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: 4/7/2023 9:40:31AM

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:	04/07/23 08:15	Work Order ID:	E304028
Phone:	(575) 390-6397	Date Logged In:	04/07/23 08:31	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	04/10/23 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

Project manager and 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 6 SWD

Work Order: E304053

Job Number: 20046-0001

Received: 4/12/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/13/23

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: 4/13/23

Natalie Gladden
7 W. Compress Road
Artesia, NM 88210



Project Name: Jackson 6 SWD
Workorder: E304053
Date Received: 4/12/2023 7:00:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/12/2023 7:00:00AM, under the Project Name: Jackson 6 SWD.

The analytical test results summarized in this report with the Project Name: Jackson 6 SWD 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 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	04/13/23 15:40

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP 12-13'	E304053-01A	Soil	04/10/23	04/12/23	Glass Jar, 2 oz.
SP 13 - SURF	E304053-02A	Soil	04/10/23	04/12/23	Glass Jar, 2 oz.



Sample Data

Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Jackson 6 SWD Project Number: 20046-0001 Project Manager: Natalie Gladden	Reported: 4/13/2023 3:40:37PM
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SP 12-13'

E304053-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315059
Benzene	ND	0.0250	1	04/12/23	04/12/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/12/23	
Toluene	ND	0.0250	1	04/12/23	04/12/23	
o-Xylene	ND	0.0250	1	04/12/23	04/12/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/12/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/12/23	
Surrogate: Bromofluorobenzene	98.3 %	70-130		04/12/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		04/12/23	04/12/23	
Surrogate: Toluene-d8	103 %	70-130		04/12/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315059
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/12/23	
Surrogate: Bromofluorobenzene	98.3 %	70-130		04/12/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		04/12/23	04/12/23	
Surrogate: Toluene-d8	103 %	70-130		04/12/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2315061
Diesel Range Organics (C10-C28)	ND	25.0	1	04/12/23	04/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/12/23	04/12/23	
Surrogate: n-Nonane	105 %	50-200		04/12/23	04/12/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315057
Chloride	ND	20.0	1	04/12/23	04/12/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson 6 SWD
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/13/2023 3:40:37PM

SP 13 - SURF

E304053-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315059
Benzene	ND	0.0250	1	04/12/23	04/12/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/12/23	
Toluene	ND	0.0250	1	04/12/23	04/12/23	
o-Xylene	ND	0.0250	1	04/12/23	04/12/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/12/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/12/23	
Surrogate: Bromofluorobenzene		101 %	70-130	04/12/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	04/12/23	04/12/23	
Surrogate: Toluene-d8		104 %	70-130	04/12/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315059
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/12/23	
Surrogate: Bromofluorobenzene		101 %	70-130	04/12/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	04/12/23	04/12/23	
Surrogate: Toluene-d8		104 %	70-130	04/12/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2315061
Diesel Range Organics (C10-C28)	5030	250	10	04/12/23	04/13/23	
Oil Range Organics (C28-C36)	2740	500	10	04/12/23	04/13/23	
Surrogate: n-Nonane		100 %	50-200	04/12/23	04/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315057
Chloride	502	20.0	1	04/12/23	04/12/23	



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/13/2023 3:40:37PM

Volatile Organic Compounds by EPA 8260B

Analyst: SL

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

Blank (2315059-BLK1) Prepared: 04/12/23 Analyzed: 04/12/23

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	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		96.0	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

LCS (2315059-BS1) Prepared: 04/12/23 Analyzed: 04/13/23

Benzene	2.49	0.0250	2.50		99.4	70-130			
Ethylbenzene	2.38	0.0250	2.50		95.3	70-130			
Toluene	2.43	0.0250	2.50		97.3	70-130			
o-Xylene	2.46	0.0250	2.50		98.4	70-130			
p,m-Xylene	4.85	0.0500	5.00		96.9	70-130			
Total Xylenes	7.31	0.0250	7.50		97.4	70-130			
Surrogate: Bromofluorobenzene	0.488		0.500		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			

Matrix Spike (2315059-MS1) Source: E304052-05 Prepared: 04/12/23 Analyzed: 04/12/23

Benzene	2.58	0.0250	2.50	ND	103	48-131			
Ethylbenzene	2.48	0.0250	2.50	ND	99.2	45-135			
Toluene	2.55	0.0250	2.50	ND	102	48-130			
o-Xylene	2.38	0.0250	2.50	ND	95.4	43-135			
p,m-Xylene	4.69	0.0500	5.00	ND	93.8	43-135			
Total Xylenes	7.07	0.0250	7.50	ND	94.3	43-135			
Surrogate: Bromofluorobenzene	0.476		0.500		95.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			

Matrix Spike Dup (2315059-MSD1) Source: E304052-05 Prepared: 04/12/23 Analyzed: 04/12/23

Benzene	2.58	0.0250	2.50	ND	103	48-131	0.0388	23	
Ethylbenzene	2.49	0.0250	2.50	ND	99.6	45-135	0.382	27	
Toluene	2.57	0.0250	2.50	ND	103	48-130	0.644	24	
o-Xylene	2.50	0.0250	2.50	ND	99.9	43-135	4.63	27	
p,m-Xylene	4.93	0.0500	5.00	ND	98.6	43-135	4.99	27	
Total Xylenes	7.43	0.0250	7.50	ND	99.0	43-135	4.87	27	
Surrogate: Bromofluorobenzene	0.484		0.500		96.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.518		0.500		104	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/13/2023 3:40:37PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2315059-BLK1) Prepared: 04/12/23 Analyzed: 04/12/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		96.0	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

LCS (2315059-BS2) Prepared: 04/12/23 Analyzed: 04/12/23

Gasoline Range Organics (C6-C10)	47.1	20.0	50.0		94.3	70-130			
Surrogate: Bromofluorobenzene	0.492		0.500		98.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			

Matrix Spike (2315059-MS2) Source: E304052-05 Prepared: 04/12/23 Analyzed: 04/12/23

Gasoline Range Organics (C6-C10)	50.1	20.0	50.0	ND	100	70-130			
Surrogate: Bromofluorobenzene	0.494		0.500		98.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.2	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			

Matrix Spike Dup (2315059-MSD2) Source: E304052-05 Prepared: 04/12/23 Analyzed: 04/12/23

Gasoline Range Organics (C6-C10)	47.2	20.0	50.0	ND	94.4	70-130	5.90	20	
Surrogate: Bromofluorobenzene	0.482		0.500		96.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/13/2023 3:40:37PM

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 (2315061-BLK1)					Prepared: 04/12/23 Analyzed: 04/12/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.8		50.0		106	50-200			

LCS (2315061-BS1)					Prepared: 04/12/23 Analyzed: 04/12/23				
Diesel Range Organics (C10-C28)	254	25.0	250		102	38-132			
Surrogate: n-Nonane	50.9		50.0		102	50-200			

Matrix Spike (2315061-MS1)					Source: E304053-01		Prepared: 04/12/23 Analyzed: 04/12/23		
Diesel Range Organics (C10-C28)	266	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	52.1		50.0		104	50-200			

Matrix Spike Dup (2315061-MSD1)					Source: E304053-01		Prepared: 04/12/23 Analyzed: 04/12/23		
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132	1.73	20	
Surrogate: n-Nonane	51.2		50.0		102	50-200			



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/13/2023 3:40:37PM

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2315057-BLK1)					Prepared: 04/12/23 Analyzed: 04/12/23				
Chloride	ND	20.0							
LCS (2315057-BS1)					Prepared: 04/12/23 Analyzed: 04/12/23				
Chloride	266	20.0	250		107	90-110			
Matrix Spike (2315057-MS1)					Source: E304051-02		Prepared: 04/12/23 Analyzed: 04/12/23		
Chloride	2770	40.0	250	2750	9.00	80-120			M4
Matrix Spike Dup (2315057-MSD1)					Source: E304051-02		Prepared: 04/12/23 Analyzed: 04/12/23		
Chloride	2780	40.0	250	2750	13.3	80-120	0.386	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 6 SWD	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	04/13/23 15:40

- 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

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

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



Additional Instructions:

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: Juan Solis

Lab Use Only

Received on Ice: Y / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4.0

Sample Matrix: S - Soil, Sf - 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: 4/12/2023 7:56:24AM

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:	04/12/23 07:00	Work Order ID:	E304053
Phone:	(575) 390-6397	Date Logged In:	04/11/23 16:50	Logged In By:	Alexa Michaels
Email:	natalie@energystaffingllc.com	Due Date:	04/13/23 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: Courier**Comments/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? 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.

Report to:

Natalie Gladden



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Tap Rock

Project Name: Jackson 6 SWD

Work Order: E304054

Job Number: 20046-0001

Received: 4/12/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/13/23

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: 4/13/23

Natalie Gladden
7 W. Compress Road
Artesia, NM 88210



Project Name: Jackson 6 SWD
Workorder: E304054
Date Received: 4/12/2023 7:15:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/12/2023 7:15:00AM, under the Project Name: Jackson 6 SWD.

The analytical test results summarized in this report with the Project Name: Jackson 6 SWD 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
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Sample Summary

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	04/13/23 15:39

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP 11-11'	E304054-01A	Soil	04/06/23	04/12/23	Glass Jar, 2 oz.
SP 12 - SURF	E304054-02A	Soil	04/06/23	04/12/23	Glass Jar, 2 oz.



Sample Data

Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Jackson 6 SWD Project Number: 20046-0001 Project Manager: Natalie Gladden	Reported: 4/13/2023 3:39:07PM
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SP 11-11'

E304054-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL		Batch: 2315059	
Benzene	ND	0.0250	1	04/12/23	04/12/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/12/23	
Toluene	ND	0.0250	1	04/12/23	04/12/23	
o-Xylene	ND	0.0250	1	04/12/23	04/12/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/12/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/12/23	
Surrogate: Bromofluorobenzene	97.9 %	70-130		04/12/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		04/12/23	04/12/23	
Surrogate: Toluene-d8	104 %	70-130		04/12/23	04/12/23	

Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2315059	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/12/23	
Surrogate: Bromofluorobenzene	97.9 %	70-130		04/12/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		04/12/23	04/12/23	
Surrogate: Toluene-d8	104 %	70-130		04/12/23	04/12/23	

Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2315061	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/12/23	04/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/12/23	04/12/23	
Surrogate: n-Nonane	104 %	50-200		04/12/23	04/12/23	

Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2315057	
Chloride	66.8	20.0	1	04/12/23	04/12/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson 6 SWD
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/13/2023 3:39:07PM

SP 12 - SURF

E304054-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315059
Benzene	ND	0.0250	1	04/12/23	04/12/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/12/23	
Toluene	ND	0.0250	1	04/12/23	04/12/23	
o-Xylene	ND	0.0250	1	04/12/23	04/12/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/12/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/12/23	
Surrogate: Bromofluorobenzene		109 %	70-130	04/12/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	04/12/23	04/12/23	
Surrogate: Toluene-d8		110 %	70-130	04/12/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315059
Gasoline Range Organics (C6-C10)	60.9	20.0	1	04/12/23	04/12/23	
Surrogate: Bromofluorobenzene		109 %	70-130	04/12/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	04/12/23	04/12/23	
Surrogate: Toluene-d8		110 %	70-130	04/12/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2315061
Diesel Range Organics (C10-C28)	12900	500	20	04/12/23	04/13/23	
Oil Range Organics (C28-C36)	8190	1000	20	04/12/23	04/13/23	
Surrogate: n-Nonane		109 %	50-200	04/12/23	04/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315057
Chloride	509	20.0	1	04/12/23	04/13/23	



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/13/2023 3:39:07PM

Volatile Organic Compounds by EPA 8260B

Analyst: SL

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

Blank (2315059-BLK1) Prepared: 04/12/23 Analyzed: 04/12/23

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	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		96.0	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

LCS (2315059-BS1) Prepared: 04/12/23 Analyzed: 04/13/23

Benzene	2.49	0.0250	2.50		99.4	70-130			
Ethylbenzene	2.38	0.0250	2.50		95.3	70-130			
Toluene	2.43	0.0250	2.50		97.3	70-130			
o-Xylene	2.46	0.0250	2.50		98.4	70-130			
p,m-Xylene	4.85	0.0500	5.00		96.9	70-130			
Total Xylenes	7.31	0.0250	7.50		97.4	70-130			
Surrogate: Bromofluorobenzene	0.488		0.500		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			

Matrix Spike (2315059-MS1) Source: E304052-05 Prepared: 04/12/23 Analyzed: 04/12/23

Benzene	2.58	0.0250	2.50	ND	103	48-131			
Ethylbenzene	2.48	0.0250	2.50	ND	99.2	45-135			
Toluene	2.55	0.0250	2.50	ND	102	48-130			
o-Xylene	2.38	0.0250	2.50	ND	95.4	43-135			
p,m-Xylene	4.69	0.0500	5.00	ND	93.8	43-135			
Total Xylenes	7.07	0.0250	7.50	ND	94.3	43-135			
Surrogate: Bromofluorobenzene	0.476		0.500		95.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			

Matrix Spike Dup (2315059-MSD1) Source: E304052-05 Prepared: 04/12/23 Analyzed: 04/12/23

Benzene	2.58	0.0250	2.50	ND	103	48-131	0.0388	23	
Ethylbenzene	2.49	0.0250	2.50	ND	99.6	45-135	0.382	27	
Toluene	2.57	0.0250	2.50	ND	103	48-130	0.644	24	
o-Xylene	2.50	0.0250	2.50	ND	99.9	43-135	4.63	27	
p,m-Xylene	4.93	0.0500	5.00	ND	98.6	43-135	4.99	27	
Total Xylenes	7.43	0.0250	7.50	ND	99.0	43-135	4.87	27	
Surrogate: Bromofluorobenzene	0.484		0.500		96.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.518		0.500		104	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/13/2023 3:39:07PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2315059-BLK1) Prepared: 04/12/23 Analyzed: 04/12/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		96.0	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

LCS (2315059-BS2) Prepared: 04/12/23 Analyzed: 04/12/23

Gasoline Range Organics (C6-C10)	47.1	20.0	50.0		94.3	70-130			
Surrogate: Bromofluorobenzene	0.492		0.500		98.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			

Matrix Spike (2315059-MS2) Source: E304052-05 Prepared: 04/12/23 Analyzed: 04/12/23

Gasoline Range Organics (C6-C10)	50.1	20.0	50.0	ND	100	70-130			
Surrogate: Bromofluorobenzene	0.494		0.500		98.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.2	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			

Matrix Spike Dup (2315059-MSD2) Source: E304052-05 Prepared: 04/12/23 Analyzed: 04/12/23

Gasoline Range Organics (C6-C10)	47.2	20.0	50.0	ND	94.4	70-130	5.90	20	
Surrogate: Bromofluorobenzene	0.482		0.500		96.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/13/2023 3:39:07PM

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 (2315061-BLK1)					Prepared: 04/12/23 Analyzed: 04/12/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.8		50.0		106	50-200			

LCS (2315061-BS1)					Prepared: 04/12/23 Analyzed: 04/12/23				
Diesel Range Organics (C10-C28)	254	25.0	250		102	38-132			
Surrogate: n-Nonane	50.9		50.0		102	50-200			

Matrix Spike (2315061-MS1)					Source: E304053-01		Prepared: 04/12/23 Analyzed: 04/12/23		
Diesel Range Organics (C10-C28)	266	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	52.1		50.0		104	50-200			

Matrix Spike Dup (2315061-MSD1)					Source: E304053-01		Prepared: 04/12/23 Analyzed: 04/12/23		
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132	1.73	20	
Surrogate: n-Nonane	51.2		50.0		102	50-200			



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/13/2023 3:39:07PM

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2315057-BLK1)					Prepared: 04/12/23 Analyzed: 04/12/23				
Chloride	ND	20.0							
LCS (2315057-BS1)					Prepared: 04/12/23 Analyzed: 04/12/23				
Chloride	266	20.0	250		107	90-110			
Matrix Spike (2315057-MS1)					Source: E304051-02		Prepared: 04/12/23 Analyzed: 04/12/23		
Chloride	2770	40.0	250	2750	9.00	80-120			M4
Matrix Spike Dup (2315057-MSD1)					Source: E304051-02		Prepared: 04/12/23 Analyzed: 04/12/23		
Chloride	2780	40.0	250	2750	13.3	80-120	0.386	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 6 SWD	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	04/13/23 15:39

- 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

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

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



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		<div style="text-align: right;">Lab Use Only</div> <div>Received on ice: Y / N</div> <div>T1 _____ T2 _____ T3 _____</div> <div>AVG Temp °C 4</div>					
JUAN SOLIS		0-1/06/23				Michelle Campbell		4-11-23		1230							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time							
Michelle Campbell		4-11-23		1600		Kerilyn R Hull		4-11-23		1700							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time							
Kerilyn R Hull		4-11-23		2350		[Signature]		4-12-23		7:15							
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					
<p>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.</p>																	

Envirotech Analytical Laboratory

Printed: 4/12/2023 8:02:28AM

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:	04/12/23 07:15	Work Order ID:	E304054
Phone:	(575) 390-6397	Date Logged In:	04/11/23 16:58	Logged In By:	Alexa Michaels
Email:	natalie@energystaffingllc.com	Due Date:	04/13/23 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 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.

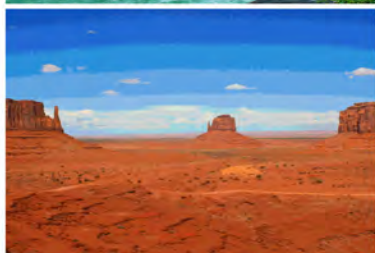
Date



envirotech Inc.

Report to:

Natalie Gladden



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Tap Rock

Project Name: Jackson 6 SWD

Work Order: E304083

Job Number: 20046-0001

Received: 4/17/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/18/23

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: 4/18/23

Natalie Gladden
7 W. Compress Road
Artesia, NM 88210



Project Name: Jackson 6 SWD
Workorder: E304083
Date Received: 4/17/2023 9:30:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/17/2023 9:30:00AM, under the Project Name: Jackson 6 SWD.

The analytical test results summarized in this report with the Project Name: Jackson 6 SWD 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
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Rayny Hagan
Technical Representative
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Tap Rock	Project Name:	Jackson 6 SWD	Reported: 04/18/23 12:55
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
SP 13 - 16'	E304083-01A	Soil	04/13/23	04/17/23	Glass Jar, 2 oz.
SP 14 - SURF	E304083-02A	Soil	04/13/23	04/17/23	Glass Jar, 2 oz.



Sample Data

Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Jackson 6 SWD Project Number: 20046-0001 Project Manager: Natalie Gladden	Reported: 4/18/2023 12:55:36PM
---	---	--

SP 13 - 16'

E304083-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2316001	
Benzene	ND	0.0250	1	04/17/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/17/23	04/17/23	
Toluene	ND	0.0250	1	04/17/23	04/17/23	
o-Xylene	ND	0.0250	1	04/17/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/17/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/17/23	04/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	92.5 %	70-130		04/17/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2316001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/17/23	04/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	95.9 %	70-130		04/17/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2316005	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/18/23	
<i>Surrogate: n-Nonane</i>	102 %	50-200		04/18/23	04/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2316007	
Chloride	ND	20.0	1	04/17/23	04/17/23	



Sample Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported: 4/18/2023 12:55:36PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP 14 - SURF
E304083-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2316001	
Benzene	ND	0.0250	1	04/17/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/17/23	04/17/23	
Toluene	ND	0.0250	1	04/17/23	04/17/23	
o-Xylene	ND	0.0250	1	04/17/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/17/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/17/23	04/17/23	
Surrogate: 4-Bromochlorobenzene-PID	94.0 %	70-130		04/17/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2316001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/17/23	04/17/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.3 %	70-130		04/17/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2316005	
Diesel Range Organics (C10-C28)	60.0	25.0	1	04/18/23	04/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/18/23	
Surrogate: n-Nonane	101 %	50-200		04/18/23	04/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2316007	
Chloride	245	20.0	1	04/17/23	04/17/23	



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/18/2023 12:55:36PM

Volatile Organics by EPA 8021B

Analyst: SL

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

Blank (2316001-BLK1) Prepared: 04/17/23 Analyzed: 04/17/23

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	7.39		8.00		92.4	70-130			

LCS (2316001-BS1) Prepared: 04/17/23 Analyzed: 04/17/23

Benzene	4.55	0.0250	5.00		90.9	70-130			
Ethylbenzene	4.53	0.0250	5.00		90.7	70-130			
Toluene	4.66	0.0250	5.00		93.1	70-130			
o-Xylene	4.62	0.0250	5.00		92.5	70-130			
p,m-Xylene	9.26	0.0500	10.0		92.6	70-130			
Total Xylenes	13.9	0.0250	15.0		92.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.45		8.00		93.1	70-130			

Matrix Spike (2316001-MS1) Source: E304082-01 Prepared: 04/17/23 Analyzed: 04/17/23

Benzene	4.74	0.0250	5.00	ND	94.8	54-133			
Ethylbenzene	4.72	0.0250	5.00	ND	94.4	61-133			
Toluene	4.85	0.0250	5.00	ND	97.0	61-130			
o-Xylene	4.82	0.0250	5.00	ND	96.3	63-131			
p,m-Xylene	9.61	0.0500	10.0	ND	96.1	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	96.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.55		8.00		94.3	70-130			

Matrix Spike Dup (2316001-MSD1) Source: E304082-01 Prepared: 04/17/23 Analyzed: 04/17/23

Benzene	4.51	0.0250	5.00	ND	90.1	54-133	5.05	20	
Ethylbenzene	4.49	0.0250	5.00	ND	89.9	61-133	4.89	20	
Toluene	4.61	0.0250	5.00	ND	92.2	61-130	5.06	20	
o-Xylene	4.58	0.0250	5.00	ND	91.6	63-131	5.04	20	
p,m-Xylene	9.16	0.0500	10.0	ND	91.6	63-131	4.83	20	
Total Xylenes	13.7	0.0250	15.0	ND	91.6	63-131	4.90	20	
Surrogate: 4-Bromochlorobenzene-PID	7.49		8.00		93.6	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/18/2023 12:55:36PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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 (2316001-BLK1) Prepared: 04/17/23 Analyzed: 04/17/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.6	70-130			

LCS (2316001-BS2) Prepared: 04/17/23 Analyzed: 04/17/23

Gasoline Range Organics (C6-C10)	49.1	20.0	50.0		98.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.7	70-130			

Matrix Spike (2316001-MS2) Source: E304082-01 Prepared: 04/17/23 Analyzed: 04/17/23

Gasoline Range Organics (C6-C10)	50.6	20.0	50.0	ND	101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.85		8.00		98.1	70-130			

Matrix Spike Dup (2316001-MSD2) Source: E304082-01 Prepared: 04/17/23 Analyzed: 04/17/23

Gasoline Range Organics (C6-C10)	45.9	20.0	50.0	ND	91.9	70-130	9.70	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.87		8.00		98.4	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/18/2023 12:55:36PM

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 (2316005-BLK1)					Prepared: 04/17/23 Analyzed: 04/17/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	43.9		50.0		87.9	50-200			

LCS (2316005-BS1)					Prepared: 04/17/23 Analyzed: 04/18/23				
Diesel Range Organics (C10-C28)	249	25.0	250		99.5	38-132			
Surrogate: n-Nonane	51.1		50.0		102	50-200			

Matrix Spike (2316005-MS1)					Source: E304082-01		Prepared: 04/17/23 Analyzed: 04/17/23		
Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132			
Surrogate: n-Nonane	83.0		50.0		166	50-200			

Matrix Spike Dup (2316005-MSD1)					Source: E304082-01		Prepared: 04/17/23 Analyzed: 04/17/23		
Diesel Range Organics (C10-C28)	266	25.0	250	ND	107	38-132	3.47	20	
Surrogate: n-Nonane	70.9		50.0		142	50-200			



QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	4/18/2023 12:55:36PM

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 (2316007-BLK1)					Prepared: 04/17/23 Analyzed: 04/17/23				
Chloride	ND	20.0							
LCS (2316007-BS1)					Prepared: 04/17/23 Analyzed: 04/17/23				
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2316007-MS1)					Source: E304082-01		Prepared: 04/17/23 Analyzed: 04/17/23		
Chloride	650	100	250	306	137	80-120			M2
Matrix Spike Dup (2316007-MSD1)					Source: E304082-01		Prepared: 04/17/23 Analyzed: 04/17/23		
Chloride	660	100	250	306	141	80-120	1.49	20	M2

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 6 SWD	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	04/18/23 12:55

- M2 Matrix spike recovery was outside quality control limits. 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

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>JORDAN</u>					Bill To					Lab Use Only				TAT				EPA Program			
Project: <u>Jackson 6 SWD</u>					Attention: <u>ESS</u>					Lab WO# <u>E304083</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											RCRA
Address:					City, State, Zip <u>HOBBS, NM 88240</u>															State	
City, State, Zip					Phone: <u>575-393-9048</u>																
Phone:					EMAIL TO: <u>Natalie@energystaffingllc.com</u>															NM CO UT AZ TX	
Email:					<u>Dakoatah@energystaffingllc.com</u>																
Report due by:																				Remarks	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORQ by 8015	GRO/DRO by 8015	RTX by 8021	VOC by 8260	Metals 6010	Chloride 300.0				RGDOC NM	BGDOC TX					
	04/13/23	S	1	SP 13-16'	1										X						
	04/13/23	S	1	SP 14-50 SF	2										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:

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> <u>N</u> T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
<u>Juan Solis</u>	<u>04/13/23</u>		<u>Michelle Gayle</u>	<u>4-14-23</u>	<u>1230</u>	
<u>Michelle Gayle</u>	<u>4-14-23</u>	<u>1600</u>	<u>Ally</u>	<u>4-14-23</u>	<u>15:50</u>	
<u>Ally</u>	<u>4-14-23</u>	<u>10:00 PM</u>	<u>Ally</u>	<u>4-17-23</u>	<u>9:30</u>	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Oil						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: 4/17/2023 10:47:39AM

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:	04/17/23 09:30	Work Order ID:	E304083
Phone:	(575) 390-6397	Date Logged In:	04/14/23 16:43	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	04/18/23 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: Courier**Comments/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? 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.



VERTICAL SAMPLE GPS

SP1: 32.206088 -103.570528
SP2: 32.206117 -103.570475
SP3: 32.206158 -103.570526
SP4: 32.206155 -103.570631
SP5: 32.206075 -103.570638
SP6: 32.206073 -103.570756
SP7: 32.206755 -103.570762
SP8: 32.206153 -103.570928

VERTICAL SAMPLE GPS

SP9: 32.206075 -103.570917
SP10: 32.206071 -103.571022
SP11: 32.206111 -103.571203
SP12: 32.206153 -103.571027
SP13: 32.206155 -103.571143
SP14: 32.206069 -103.571152
SP15: 32.206108 -103.571195

HORIZONTAL SAMPLE GPS

SW1: 32.206125 -103.570454
SW2: 32.206193 -103.570556
SW3: 32.206189 -103.570786
SW4: 32.206181 -103.571069
SW5: 32.206112 -103.571209
SW6: 32.206056 -103.571041
SW7: 32.206069 -103.570788
SW8: 32.206075 -103.570522

**TAPROCK
JACKSON 6 SWD
REMEDATION PHOTOS**

REMOVAL OF SOIL ON LINER







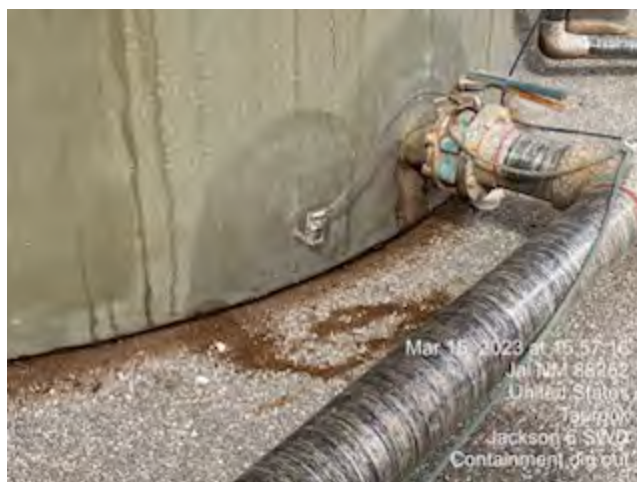


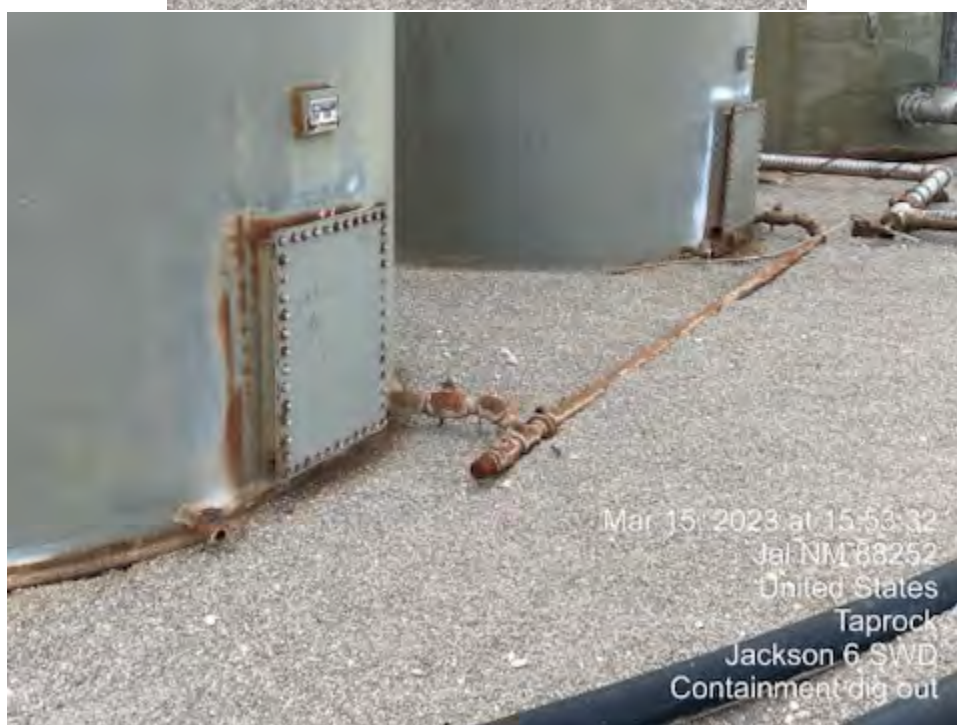


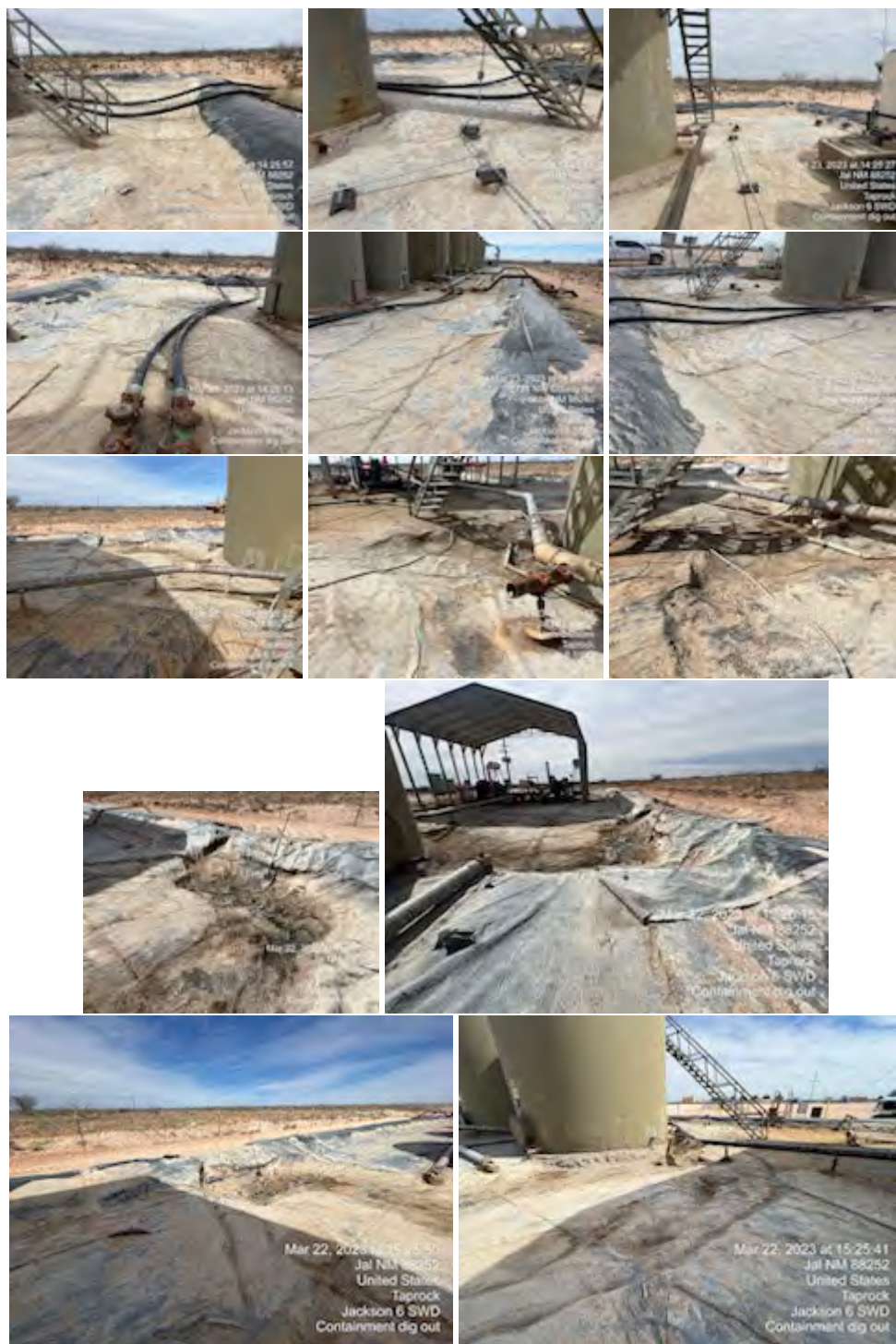




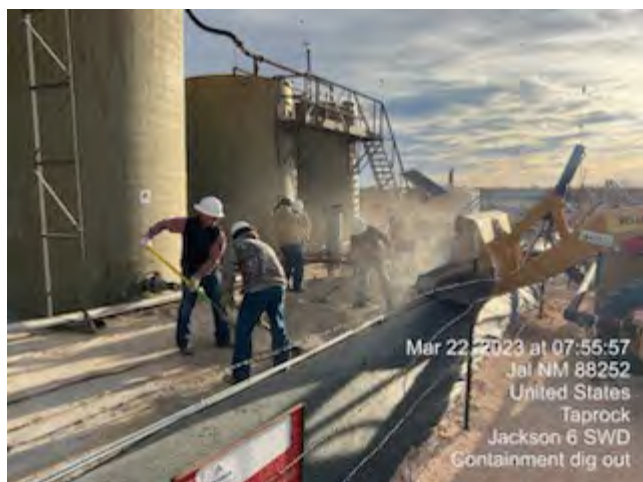










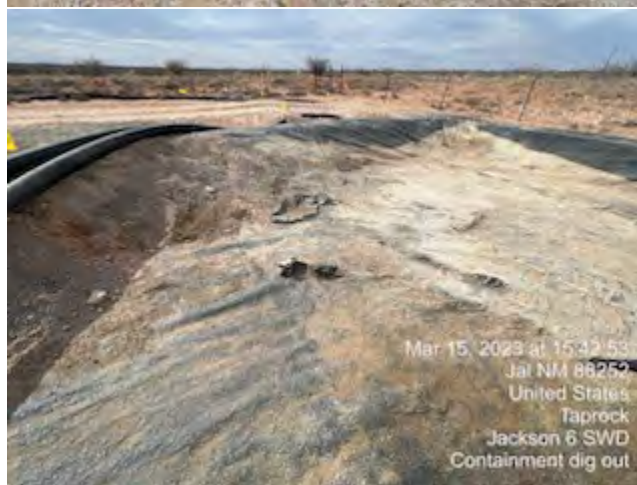
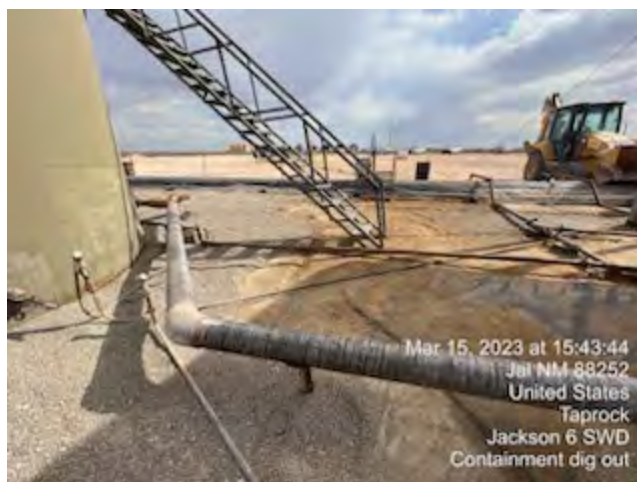




LINER INSPECTION











DELINEATION PHOTOS AND PARTIAL LINE INSTALL



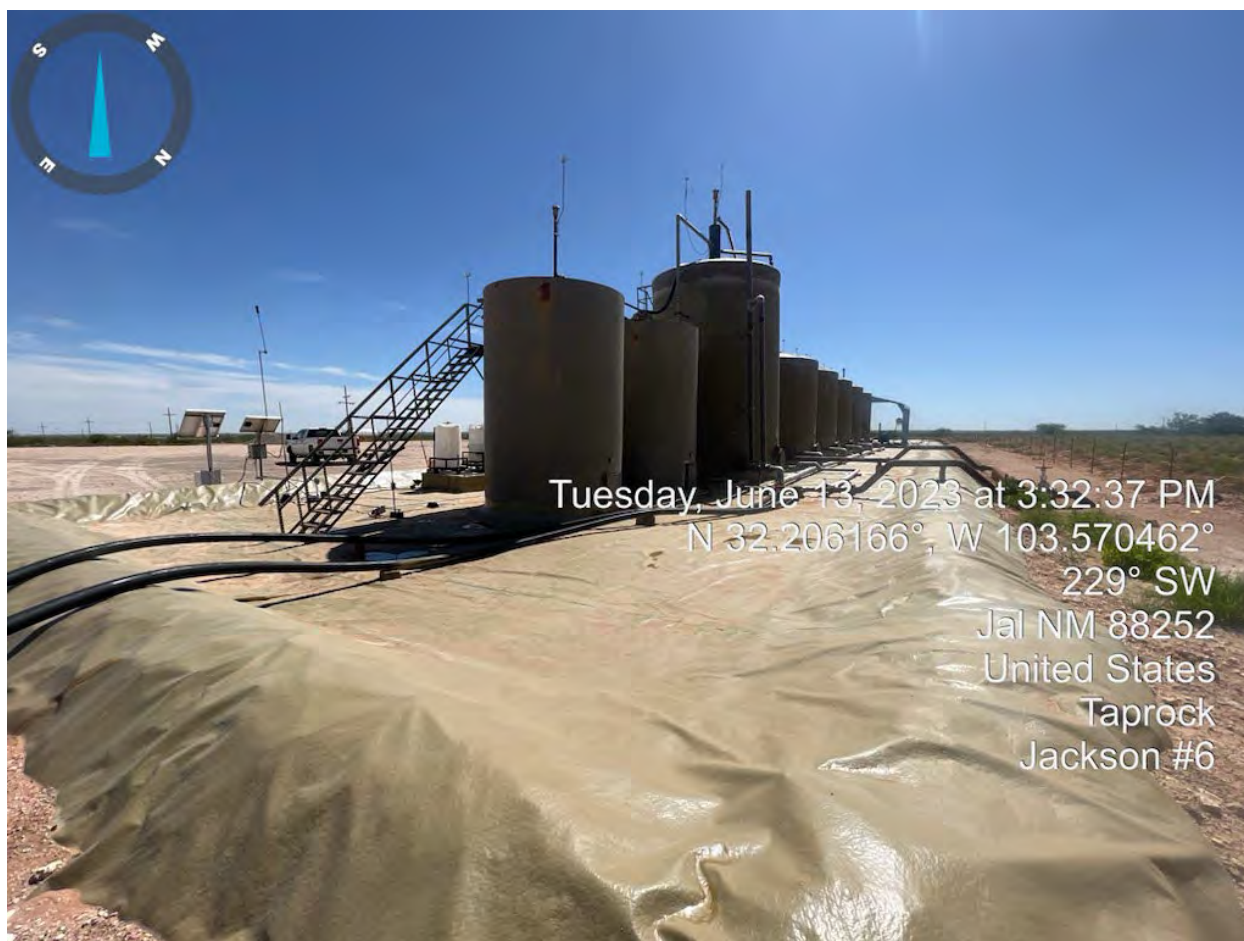


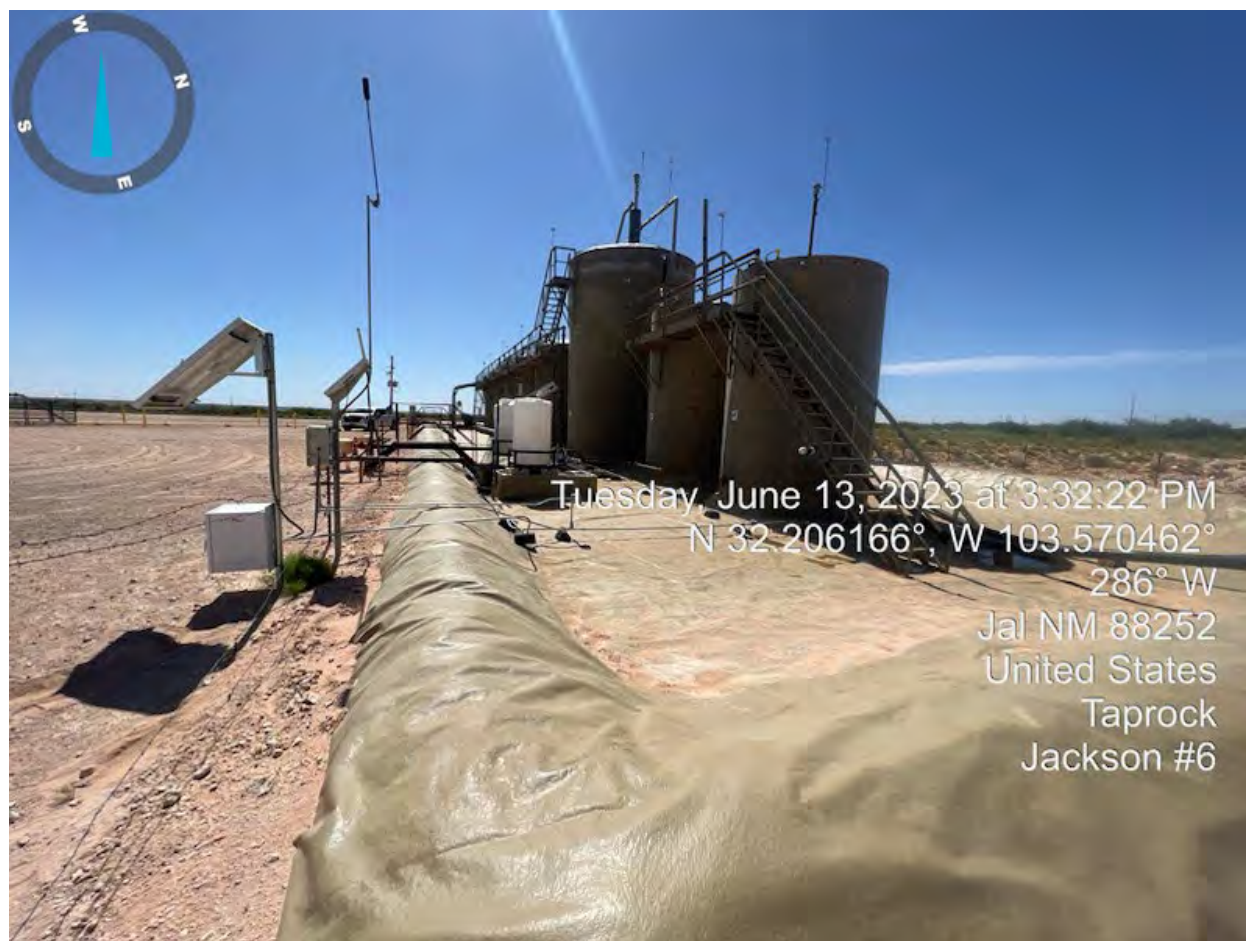


JACKSON UNIT SWD #006
FINAL PHOTOS









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QUESTIONS

Action 347347

QUESTIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 347347
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2307437229
Incident Name	NAPP2307437229 JACKSON UNIT SWD #006 @ 30-025-34623
Incident Type	Oil Release
Incident Status	Deferral Request Received
Incident Well	[30-025-34623] JACKSON UNIT SWD #006

Location of Release Source	
Please answer all the questions in this group.	
Site Name	JACKSON UNIT SWD #006
Date Release Discovered	03/13/2023
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Other Unknown Crude Oil Released: 8 BBL Recovered: 0 BBL Lost: 8 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
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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QUESTIONS, Page 2
Action 347347

QUESTIONS (continued)

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID:
	372043
	Action Number:
	347347
Action Type:	
[C-141] Deferral Request C-141 (C-141-v-Deferral)	

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	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

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: 05/23/2024
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QUESTIONS, Page 3

Action 347347

QUESTIONS (continued)

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID:	372043
	Action Number:	347347
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

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	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	6510
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	28400
GRO+DRO (EPA SW-846 Method 8015M)	15334
BTEX (EPA SW-846 Method 8021B or 8260B)	11.8
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	03/15/2023
On what date will (or did) the final sampling or liner inspection occur	04/18/2023
On what date will (or was) the remediation complete(d)	01/04/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	12036
What is the estimated volume (in cubic yards) that will be remediated	4716

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

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

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QUESTIONS, Page 4

Action 347347

QUESTIONS (continued)

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID:	372043
	Action Number:	347347
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

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>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	OWL LANDFILL JAL [fJEG1635837366]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<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: 05/23/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 347347

QUESTIONS (continued)

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID:	372043
	Action Number:	347347
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS**Deferral Requests Only**

Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.

Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	The contaminated material is under the main facility and newly sprayed liner to protect the underlining contaminated soils. Removing the equipment is not an option at this time until the well is plugged and the facility is decommissioned.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	12036
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	4716
Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.	
Enter the facility ID (f#) on which this deferral should be granted	Not answered.
Enter the well API (30-) on which this deferral should be granted	30-025-34623 JACKSON UNIT SWD #006
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Natalie Gladden Title: Environmental Email: natalie@energystaffingllc.com Date: 05/23/2024

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QUESTIONS, Page 6
Action 347347

QUESTIONS (continued)

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 347347
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{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	No

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CONDITIONS

Action 347347

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 347347
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place.	6/25/2024