Received by OCD: 2/1/2022 8:26:26 AM

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Form C-141 Page 3

# State of New Mexico Oil Conservation Division

Incident ID	NAPP2129151549
District RP	
Facility ID	
Application ID	

# Site Assessment/Characterization

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?	<u>&lt;50</u> (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	☐ Yes ⊠ No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	rtical extents of soil
Characterization Report Checklist: Each of the following items must be included in the report.	
<ul> <li>Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well Field data</li> <li>□ Data table of soil contaminant concentration data</li> <li>□ Depth to water determination</li> <li>□ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release</li> <li>□ Boring or excavation logs</li> <li>□ Photographs including date and GIS information</li> <li>□ Topographic/Aerial maps</li> <li>□ Laboratory data including chain of custody</li> </ul>	ls.
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If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Received by OCD: 2/1/2022 8:26:26 AM
State of New Mexico Oil Conservation Division

Incident ID	N <b>APP</b> 2129151549
District RP	
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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. Title: DIRECTOR OF ENVIRONMENTAL AND REGULATORY Printed Name: Signature:

Telephone: 575-390-6397

**OCD Only** 

email: natalie@energystaffingllc.com

Page 4

Ramona Marcus Received by: 2/9/2022 Received by OCD: 2/1/2022 8:26:26 AM
Form C-141 State of New Mexico

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State of New Mexico
Oil Conservation Division

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Incident ID	NAPP2129151549	
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### Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
□ Description of remediation activities
Thereby 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, numan health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.  Printed Name: Natalie Gladden
OCD Only  Received by:  Ramona Marcus  Date: 2/9/2022
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.
Closure Approved by: Date: Date:
Printed Name:Chad Hensley Title:Environmental Specialist Advanced



## JACKSON UNIT #029H CLOSURE REQUEST

API NO. 30-025-41767 LEGALS: U/L O, SECTION 21, TOWNSHIP 24S, RANGE 33E LEA COUNTY, NM 88240

**DATE OF RELEASE: 10/15/2021 INCIDENT NO. NAPP2129151549** 

January 29, 2022

**PREPARED BY:** 



January 29, 2022

New Mexico Energy, Minerals & Natural Resources NMOCD District I C/O Mike Bratcher, Robert Hamlet & Chad Hensley 1625 N. French Drive Hobbs, NM 88240

Tap Rock Operating, LLC C/O Christian Combs 523 Park Point Drive Golden, CO 80401

Subject: Closure Request for Tap Rock Operating – Jackson Unit #029H

API No. 30-025-41767 Incident ID No. NAPP2129151549 Unit Letter O, Section 21, Township 24 South, Range 33 East Lea County, New Mexico

To Whom it May Concern:

Tap Rock Operating, has retained Energy Staffing Services (ESS), to conduct a spill assessment, delineation and remediation for the Jackson Unit #029H (hereafter referred to as the "Jackson") for the produced water release that occurred on October 15<sup>th</sup>, 2021. ESS provided the immediate notification of the release to the New Mexico Oil Conservation Division (NMOCD), District I office, via email on October 18<sup>th</sup>, 2021 at 12:58 a.m. (notification attached). On behalf of Tap Rock Operating, ESS also submitted the initial C141 Release Notification, along with the spill calculator form used to determine the volume of the release (attached) on October 18<sup>th</sup>, 2021. The NMOCD accepted the initial C141 as record on same said date and assigned the NMOCD Incident ID Number of NAPP2129151549 to this release (Attached).

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

#### **Incident Description**

On October 15<sup>th</sup>, 2021 at approximately 7:56 a.m., a release was found at the Jackson and occurred due to a nearby frac, causing frac sand to plug up the equipment and lines, sending the fluid into the flare. The fluid sprayed the pad area only and puddled around the base of the flare. Immediately Tap Rock personnel dispatched out a vacuum truck to recover the standing fluids.

ESS was notified immediately to conduct a full site assessment of the release. Upon arrival, the spill area was mapped out and initial photos of the release were obtained. The recovery of the fluids was inspected and verified. With using the square footage of the release and volumes recovered, Tap Rocks lost production was entered into the Spill Calculator Worksheet. An approximate total of 7.05bbls of produced water was released and 3bbls of produced water was recovered via vacuum truck. The area of impact was measured as 7,518 sq. ft.

#### Site Characterization

The release at the Jackson occurred on state land and is located at, latitude 32.19642 and longitude -103.574113, 27.5 miles northwest of Jal, New Mexico. The legal description for the site is Unit Letter O, Section 21, Township 24 South and Range 33 East, in Lea County, New Mexico. The well was permitted as the Jackson Unit #029H. Please see the site map attached herein.

The Jackson consists of oil and gas production equipment, of which the well sits on an active well and production facility pad. The elevation of this said pad sits at 3,719ft. This area historically, has been primarily dominated by little bluestem, sand bluestem, spike dropseed, other shrubs and perennial forbs. (Please see the attached Rangeland and Vegetation Classification information attached),

The *United States Department of Agriculture Natural Resources Conservation Services,* indicates that the soil type found in the area of the Jackson, consists of 100% Pyote and Maljamar fine sands. (Soil Map Attached). In the area of the Jackson the *FEMA National Flood Hazard Layer,* indicates that there is 0.2% annual chance of a flood hazard in this area (see map attached).

There is "low potential" for Karst Geology to be present near the Jackson 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. This site is not near a continuously flowing watercourse and or lakebed within ½ mile from the release. No other critical or community features at the Jackson were found. (Attached Watercourse Map).

The nearest and most recent water well to the site according to the *New Mexico Office of the State Engineer* is C 04339 POD1, which is located 2,134' from the site and was drilled in 2019. The well was drilled to 47' but does not have any viable groundwater information. C 04339 POD8 is located 2,196' from the site and was drilled in 2019, depth of the well is documented to be 30'bgs, but does not have viable groundwater information. C 04339 POD7, is 2,264' from the site, drilled in 2019 to a depth of 43'bgs but again does not have any viable groundwater data. The closest well with viable groundwater information that is documented belongs to C 03662 POD1, located 3,227' from the site, drilled to 550'bgs, with groundwater depth of 110'bgs. An extended groundwater search was conducted using the *OSE POD Location Mapping System* and it has been determined that, no well exist within a ½ a mile radius of the Jackson release. Please find the NMOSE, OSE POD and the groundwater map attached to this report.

#### **Closure Criteria Determination**

The Closure Criteria for Soils impacted by a Release is shown in the below chart. No groundwater data was found within a ½ a mile radius from the release point, being on State Land and with having a "low karst potential, the site fell under <50' to ground water. 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 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. The guidance 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 air tight 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 sample 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 October 18<sup>th</sup>, ESS staff was dispatched out to the Jackson, to complete a site assessment of the release. Initial site photos were obtained and the following information was found:

- The release from the flare had sprayed from the northwest corner where the flare was located and sprayed southeast towards the production facility.
- Pooling of released fluids were only found around the base of the flare itself, leaving the remainder of the impacted area to be a spray of fluids across the production pad.
- No fluid entered any road area or surface water playa, lakes or other watercourses
- Vac Trucks were on site to recover any and all standing fluids.
- The impacted area from the release onto the surface of the pad measured 7,518 sq. ft.
- Crews were onsite to check the flare and to shut in production until the nearby frac was complete. The equipment was cleaned out by roustabout crews as well.

Please see the initial photos of the release attached to this report.

On October 18, 2021 ESS arrived on site to begin the delineation process. A hydro-vac was dispatched out to spot all production and electrical lines in the area of impact, so that ESS crews could safely delineate the site. On November 1<sup>st</sup>, ESS crews began the delineation process by setting the sample points in the impacted area, surface samples were obtained and field tested. A total of 17 sample points and 12 sidewalls were placed, mapped and GPS'd. The surface samples that were obtained, were field tested and submitted to Envirotech Laboratories. Below you will find the confirmed surface sample analysis:

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
SP1	SURF	14800	TPH	ND	ND	121	119	240	12600
SP2	SURF	54000	TPH	ND	ND	642	452	1094	52900
SP3	SURF	1100	TPH	ND	ND	72.7	102	174.7	1040
SP4	SURF	24400	TPH	ND	ND	4310	2360	6670	23900
SP5	SURF	40000	TPH	ND	ND	994	647	1641	37300
SP6	SURF	30200	TPH	ND	ND	1080	700	1780	28500
SP7	SURF	1840	TPH	ND	ND	4410	4080	8490	1560
SP8	SURF	13000	TPH	ND	ND	980	650	1630	12600
SP9	SURF	42200	TPH	ND	ND	179	182	361	40000
SP10	SURF	10800	TPH	ND	ND	2070	1810	3880	10100
SP11	SURF	19000	TPH	ND	ND	171	150	321	18600
SP12	SURF	6080	TPH	ND	ND	6800	4650	11450	6080
SP13	SURF	6300	TPH	ND	ND	4100	2960	7060	6300
SP14	SURF	10000	TPH	ND	ND	5760	5320	11080	9770
SP15	SURF	6280	TPH	ND	ND	3940	3270	7210	6110
SP16	SURF	3400	TPH	ND	ND	1180	<b>795</b>	1975	3380
SP17	SURF	40	TPH	ND	ND	12900	7570	20470	ND

On November 2<sup>nd</sup>, ESS crews began to fully delineate the site both vertically and horizontally, by use of hand auger and by backhoe. Samples were obtained and field tested. Once the bottom hole samples were clear of contaminates, samples were jarred and submitted to the lab for analysis. Attached to this report you will locate the complete sample data along with confirmed lab analysis. Below, please find the vertical delineation field data along with the confirmed lab analysis:

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
SP1	2'	40	ND	ND	ND	ND	ND	ND	ND
SP2	2'	20	ND	ND	ND	ND	ND	ND	ND
SP3	2'	60	ND	ND	ND	ND	ND	ND	42.3
SP4	2'	100	ND	ND	ND	ND	ND	ND	75
SP5	2'	40	ND	ND	ND	ND	ND	ND	40
SP6	2'	20	ND	ND	ND	ND	ND	ND	20

SP7	2'	20	ND	ND	ND	ND	ND	ND	20
SP8	2'	40	ND	ND	ND	ND	ND	ND	ND
SP9	2'	60	ND	ND	ND	ND	ND	ND	46.9
SP10	2'	80	ND	ND	ND	ND	ND	ND	55.6
SP11	2'	80	ND	ND	ND	ND	ND	ND	66
SP12	2'	80	ND	ND	ND	ND	ND	ND	62.4
SP13	2'	80	ND	ND	ND	ND	ND	ND	65.1
SP14	2'	80	ND	ND	ND	48.4	ND	48.4	67
SP15	2'	60	ND	ND	ND	ND	ND	ND	57.5
SP16	3'	80	ND	ND	ND	26.8	ND	26.8	56.1
SP17	3'	20	ND	ND	ND	74.4	58.8	133.2	ND

Horizontal samples were then obtained, field tested and submitted to the lab for confirmation. Please see the horizontal data lab analysis below:

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
SW1	SURF	80	TPH	ND	ND	32.6	ND	32.6	83.1
SW1	2'	40		ND	ND	ND	ND	ND	ND
SW2	SURF	800		ND	ND	ND	ND	ND	761
SW2	2'	280		ND	ND	ND	ND	ND	261
SW3	SURF	400		ND	ND	ND	ND	ND	353
SW3	2'	40		ND	ND	ND	ND	ND	29.2
SW4	SURF	1000		ND	ND	ND	ND	ND	994
SW4	2'	100		ND	ND	ND	ND	ND	88.5
SW5	SURF	400	TPH	ND	ND	23400	1760	25160	311
SW5	2'	60		ND	ND	ND	ND	ND	40
SW6	SURF	40		ND	ND	ND	ND	ND	26.9
SW6	2'	20		ND	ND	ND	ND	ND	ND
SW7	SURF	1640	TPH	ND	ND	10700	6270	16970	1500
SW7	2'	40		ND	ND	ND	ND	ND	30
SW8	SURF	60	TPH	ND	ND	92.2	166	258.2	48.7
SW8	2'	20		ND	ND	ND	ND	ND	ND
SW9	SURF	20	TPH	ND	ND	ND	62.3	62.3	ND
SW9	2'	20		ND	ND	32.9	145	177.9	ND
SW10	SURF	60		ND	ND	ND	ND	ND	58.4
SW10	4'	200		ND	ND	ND	ND	ND	171
SW11	SURF	520		ND	ND	ND	ND	ND	467
SW11	2'	180		ND	ND	ND	ND	ND	146
SW12	SURF	700		ND	ND	317	329	646	644
SW12	2'	200		ND	ND	27.3	52.2	79.8	170

In the above horizontal lab analysis, you will see that SW9 and SW12, tested above the limits for hydrocarbons. On November 4th, excavation began to 6'bgs and 2'bgs and the sidewalls were further delineated during the final stages of the remediation.

A total of 716 cubic yards of contaminated material was excavated from the impact area, stockpiled on plastic and ESS hauled the contaminated soil to Owl Disposal. Approximately 568 cubic yards of clean caliche was backhauled. Owl was unable to keep up with all of the demands in the area, therefore the remainder of the backfill was purchased from a local NGL pit. The caliche was stockpiled on an adjacent Tap Rock location.

On November 24<sup>th</sup>, 2021 an email was sent to the NMOCD for the documented notification that the composite stage was underway. ESS began to obtain five-point composites, field test, jar and submit to Envirotech Laboratories for confirmation. Below you will find the final composite sampling lab analysis data for bottom hole and sidewall composites. (Please see full sample log, attached to this report).

SPID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
COMP 1		60		ND	ND	ND	ND	ND	47.8
COMP 2		80		ND	ND	ND	ND	ND	59.8
COMP 3		40		ND	ND	ND	ND	ND	39.2
COMP 4		80		ND	ND	ND	ND	ND	76.8
COMP 5		20		ND	ND	ND	ND	ND	ND
COMP 6		40		ND	ND	ND	ND	ND	46
COMP 7		460		ND	ND	ND	ND	ND	439
COMP 8		200		ND	ND	42	ND	42	185
COMP 9		80		ND	ND	ND	ND	ND	72.3
COMP 10		20		ND	ND	ND	ND	ND	20.5
COMP 11		200		ND	ND	ND	ND	ND	182
COMP 12		140		ND	ND	ND	ND	ND	106
COMP 13A		40		ND	ND	ND	ND	ND	31.3
COMP 14		20		ND	ND	ND	ND	ND	ND
COMP 15		100		ND	ND	ND	ND	ND	89.6
COMP 16		60		ND	ND	ND	ND	ND	32.8
COMP 17		40		ND	ND	ND	ND	ND	44.6
COMP 18		40		ND	ND	ND	ND	ND	35.9
COMP 19		60		ND	ND	ND	ND	ND	53.2
COMP 20		40		ND	ND	ND	ND	ND	39.6
COMP 21		20		ND	ND	ND	ND	ND	ND
COMP 22		40		ND	ND	ND	ND	ND	43.1
COMP 23		100		ND	ND	ND	ND	ND	86.5
COMP 24		160		ND	ND	ND	ND	ND	123
COMP 25		40		ND	ND	ND	ND	ND	46.7
COMP 26		40		ND	ND	ND	ND	ND	ND
COMP 27A		40		ND	ND	ND	ND	ND	27

COMP 28	4	0	ND	ND	ND	ND	ND	20.3
COMP 29	4	0	ND	ND	ND	ND	ND	67.3
COMP 30A	4	0	ND	ND	ND	ND	ND	25.7
COMP 31	4	0	ND	ND	ND	ND	ND	49
COMP 32A	2	0	ND	ND	ND	ND	ND	ND
COMP 33	10	00	ND	ND	ND	ND	ND	119
COMP 34	2	00	ND	ND	ND	ND	ND	112
COMP 35	1-	40	ND	ND	ND	ND	ND	114
COMP 36	1	50	ND	ND	ND	ND	ND	148
COMP 37	14	40	ND	ND	51.3	ND	51.3	113
COMP 37	14	40	ND	ND	33.6	ND	33.6	104
COMP 38	1	20	ND	ND	ND	ND	ND	102
COMP 39A	4	.0	ND	ND	ND	ND	ND	20.7

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
SW1				ND	ND	ND	ND	ND	120
SW2				ND	ND	ND	ND	ND	24
SW3				ND	ND	ND	ND	ND	26.2
SW4				ND	ND	ND	ND	ND	211
SW5				ND	ND	200	214	414	887
SW5				ND	ND	ND	ND	ND	151
SW6				ND	ND	27.2	ND	27.2	331
SW7				ND	ND	ND	ND	ND	81.7
SW8				ND	ND	74.2	72.7	146.9	1130
SW8				ND	ND	ND	ND	ND	91.2
SW9				ND	ND	66.6	56.5	123.1	910
SW9				ND	ND	ND	ND	ND	ND
SW10				ND	ND	ND	ND	ND	961
SW11				ND	ND	ND	ND	ND	140
SW12				ND	ND	43.5	ND	43.5	432

After the excavation was complete, the excavation area was remeasured and final excavation was 7,734 sq. ft. after adding Composite 38 and 39, due to sidewall concentrations. On January 10<sup>th</sup>, 2022 ESS submitted an Extension Request by email for the project as we were getting close to the 90-completion timeframe. Robert Hamlet of the NMOCD replied to the request and approved the extension to February 15<sup>th</sup>, 2022. (See email attached.)

Once ESS received the confirmed lab analysis that the full extent of the contamination was removed, backfilling of the site began. A total of 568 cy of clean backfill material was purchased, the pad was levelled and compacted. The area around the flare base, flowlines and the electrical lines were backfilled by use of shovel, so that production equipment was not compromised during the backfill process.

#### **Closure Request**

On behalf of Tap Rock, ESS requests that this incident (NAPP2129151549), be closed for the release that occurred on the production and facility pad of the Jackson. Tap Rock and ESS certifies that all of the information provided and that is detailed in this report, is true and correct and we have complied with all applicable closure requirements for the release that occurred on the Jackson Unit #029H.

After review of this report if you have any questions or concerns, 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 Office: 575-393-9048

Cell: 575-390-6397

Email: natalie@energystaffingllc.com



#### Attachments:

**Spill Notification Email** 

Initial C141

**Spill Calculator Sheet** 

NMOCD Approved C141 Email

Site Map

Impact Map

Rangeland and Vegetation Classification

Soil Map

Flood Map

Karst Map

Watercourse Map

**Groundwater Data and Groundwater Map** 

**OSE Groundwater Map** 

#### **Attachments Continued:**

**Initial Site Photos** 

**Delineation Map** 

**Delineation Sample Data and Sample GPS** 

OCD Email – Composite Notification

Composite Sample Data and Sample GPS

Composite Map

Lab Analysis

**Extension Request Email and Approval** 

**Remediation and Final Photos** 

Final C141

#### **Natalie Gladden**

From: natalie@energystaffingllc.com

Sent: Monday, October 18, 2021 1:59 PM

To: 'ocdonline, emnrd, EMNRD'; Bratcher, Mike, EMNRD; robert.hamlet@state.nm.us; 'Hensley, Chad,

EMNRD'

**Cc:** 'Christian Combs'; 'Randy Gladden'

**Subject:** Tap Rock - Jackson Unit #29H - DOR 10/15/21 - Spill Notification

**Importance:** High

All,

Tap Rock had a release on the Jackson Unit #29H on 10/15/21:

API No. 30-025-41767 O-21-24S-33E, Lea County

Volume Released: 7.05bbls of produced water Recovered Volume: 3bbls of produced water

All fluid stayed on location, cause of the release is due to a near by frac operation causing sand to buildup in the

equipment and lines, causing fluid to release out of the flare.

The C141 and spill calculations will be uploaded shortly. If you have any questions, please let me know.

Sincerely,

# Natalie Gladden

Director of Environmental and Regulatory Services Energy Staffing Services, LLC.

#7 Compress Rd Artesia, NM 88210 Cell: 575-390-6397

Email: natalie@energystaffingllc.com



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

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

# **Release Notification**

			Resp	onsil	ble Party	y	
Responsible Party TAP ROCK OPERATING				OGRID 372043			
Contact Nam	e CHRIST	IAN COMBS			Contact Telephone (720) 360-4028		
Contact ema	il ccombs@	taprk.com			Incident #	(assigned by OCD)	
Contact mail	ing address	523 Park Point D	Prive #200, Golde	n			
			Location	of R	elease So	ource	
Latitude 32.1	9642				Longitude -	103.574113	
Datitude DATE	)		(NAD 83 in de		grees to 5 decim		
Site Name JA	CKSON U	NIT #029H			Site Type I	PRODUCTION	
Date Release	Discovered	10/15/2021			API# (if applicable) 30-025-41767		
Unit Letter	Section	Township	Range		Coun	ty	
0	21	24S	33E	LEA	<u> </u>		
Surface Owner			ribal Private (/	d Vol	ume of I		)
Crude Oil		Volume Release		calculati	ions or specific	Volume Recov	volumes provided below) vered (bbls)
☐ Produced	Water	Volume Release	ed (bbls) 7.05BBL	S		Volume Recovered (bbls) 3BBLS	
Is the concentration of dissolved chlorid produced water >10,000 mg/l?			hloride	in the	Yes No	)	
Condensate Volume Released (bbls)				Volume Recovered (bbls)			
☐ Natural Gas Volume Released (Mcf)				Volume Recovered (Mcf)			
Other (describe) Volume/Weight Released (provide units)			Volume/Weigh	ht Recovered (provide units)			
Cause of Release The release occurred due to a near by frac, causing frac sand to plug up equipment and lines, sending the fluid to the flare. The fluid sprayed the location only.							

Form C-141 Page 2 State of New Mexico
Oil Conservation Division

	8	
Incident ID		
District RP		
Facility ID		
Application ID		

Was this a major release as defined by 19.15.29.7(A) NMAC?  ☐ Yes ☑ No	If YES, for what reason(s) does the responsible party consider this a major release?				
If YES, was immediate no Email sent to NMOCD of	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? on 10/18/21 1:58pm, by Natalie Gladden w/ESS.				
	Initial Response				
The responsible	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury				
<ul><li>☑ The impacted area ha</li><li>☑ Released materials ha</li></ul>	<ul> <li>☑ The impacted area has been secured to protect human health and the environment.</li> <li>☑ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.</li> </ul>				
	d above have <u>not</u> been undertaken, explain why:				
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.					
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.					
Printed Name: Natalie Gladden Title: Director of Environmental and Regulatory  Signature: Date: 10-18-21					
email: <u>natalie@energy</u>	staffinglic.com Telephone: <u>575-390-6397</u>				
OCD Only					
Received by:	Date:				

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 56573

#### **QUESTIONS**

Operator:	OGRID:
TAP ROCK OPERATING, LLC	372043
523 Park Point Drive	Action Number:
Golden, CO 80401	56573
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

#### QUESTIONS

Location of Release Source				
Please answer all of the questions in this group.				
Site Name	JACKSON UNIT #029H			
Date Release Discovered	10/15/2021			
Surface Owner	State			

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

Nature and Volume of Release					
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.					
Crude Oil Released (bbls) Details	Not answered.				
Produced Water Released (bbls) Details	Cause: Other   Other (Specify)   Produced Water   Released: 7 BBL   Recovered: 3 BBL   Lost: 4 BBL ]				
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	Yes				
Condensate Released (bbls) Details	Not answered.				
Natural Gas Vented (Mcf) Details	Not answered.				
Natural Gas Flared (Mcf) Details	Not answered.				
Other Released Details	Not answered.				
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.				
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 19.15.29.7(A) NMAC	No, minor release.				
Reasons why this would be considered a submission for a notification of a major release					
If YES, was immediate notice given to the OCD, by whom	NATALIE GLADDEN - ESS				
If YES, was immediate notice given to the OCD, to whom	OCD SPILL EMAIL, BRATCHER, ROBERT AND CHAD				
If YES, was immediate notice given to the OCD, when	10/18/2021				
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	EMAIL				
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 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a parrative 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 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

**District I** 

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that pose a threat to groundwater, surface water, human health or the environment.

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

ACKNOWLEDGMENTS

Action 56573

#### **ACKNOWLEDGMENTS**

Operator:	OGRID:
TAP ROCK OPERATING, LLC	372043
523 Park Point Drive	Action Number:
Golden, CO 80401	56573
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

**ACKNOWLEDGMENTS** I acknowledge that I am authorized to submit notification of a releases on behalf of my operator. I acknowledge that upon submitting this application, I will be creating an new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29 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

I acknowledge the fact that 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

I acknowledge the fact that, 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.

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

CONDITIONS

Action 56573

#### **CONDITIONS**

Operator:	OGRID:
TAP ROCK OPERATING, LLC	372043
523 Park Point Drive	Action Number:
Golden, CO 80401	56573
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

#### CONDITIONS

Created By	Condition	Condition Date
ngladden1	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	10/18/2021

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State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

# **Release Notification**

			Resp	ponsi	ble Party	y		
Responsible Party TAP ROCK OPERATING					OGRID 372043			
Contact Nam	ne CHRIST	IAN COMBS			Contact Telephone (720) 360-4028			
Contact ema	il ccombs@	taprk.com			Incident # (assigned by OCD)			
Contact mail	ing address	523 Park Point l	Orive #200, Golde	en				
			Location	of R	elease So	ource		
Latitude 32.1	9642		(NAD 83 in de	ecimal des	Longitude - grees to 5 decim	103.574113 nal places)	<del></del>	
Site Name JA	CKSON U	NIT #029H			Site Type F	PRODUCTION		
Date Release	Discovered	10/15/2021			API# (if app	licable) <b>30-025</b> -	-41767	
Unit Letter	Section	Township	Range		County			
0	21	24S	33E	LEA				
Surface Owne			ribal Private (  Nature and all that apply and attack	d Vol			volumes provided below)	
Crude Oi		Volume Releas			•	Volume Recov		
□ Produced	Water	Volume Releas	ed (bbls) 7.05BBL	LS		Volume Recovered (bbls) 3BBLS		
		Is the concentra	tion of dissolved of >10,000 mg/l?	chloride	in the	he Yes No		
Condensa	ite	Volume Releas				Volume Recov	ered (bbls)	
Natural C	ias	Volume Releas	ed (Mcf)			Volume Recovered (Mcf)		
Other (de	scribe)	Volume/Weigh	t Released (provid	le units)		Volume/Weigh	nt Recovered (provide units)	
Cause of Rel The release fluid sprayed	occurred di		ac, causing frac s	sand to	plug up equ	ipment and line	es, sending the fluid to the flare. The	

Form C-141 Page 2 State of New Mexico Oil Conservation Division

	0	 
Incident ID		
District RP		
Facility ID		
Application ID		

Was this a major release as defined by 19.15.29.7(A) NMAC?  ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate no Email sent to NMOCD of	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? on 10/18/21 1:58pm, by Natalie Gladden w/ESS.
	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 rele	ease has been stopped.
│ │ │ │ │ │ │ │ │ │ │ │ │	s been secured to protect human health and the environment.
T	we been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☐ All free liquids and re	ecoverable materials have been removed and managed appropriately.
If all the actions describe	d above have not been undertaken, explain why:
has begun, please attach	AC the responsible party may commence remediation immediately after discovery of a release. If remediation a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred at area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
regulations all operators are public health or the environment failed to adequately investigation.	rmation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and required to report and/or file certain release notifications and perform corrective actions for releases which may endanger ment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have ate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In f a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
Printed Name: Natalie	
Signature:	alu Fladden Date: 10-18-21
email: <u>natalie@energy</u>	staffinglic.com Telephone: <u>575-390-6397</u>
OCD Only	
Received by:	Date:

Soil Type	Porosity	Length	Width	Depth (.083 per inch)	Cubic Feet	Estimated Barrels	Soil Type
Clay	0.15	10	10	0.083	8.3	0.22	Clay
Peat	0.40	10	10	0.083	8.3	0.59	Peat
Glacial Sediments	0.13	10	10	0.083	8.3	0.19	Glacial Sediments
Sandy Clay	0.12	10	10	0.083	8.3	0.18	Sandy Clay
Silt	0.16	10	10	0.083	8.3	0.24	Silt
Loess	0.25	10	10	0.083	8.3	0.37	Loess
Fine Sand	0.16	10	10	0.083	8.3	0.24	Fine Sand
Medium Sand	0.25	10	10	0.083	8.3	0.37	Medium Sand
Coarse Sand	0.26	10	10	0.083	8.3	0.38	Coarse Sand
Gravely Sand	0.26	10	10	0.083	8.3	0.38	Gravely Sand
Fine Gravel	0.26	10	10	0.083	8.3	0.38	Fine Gravel
Medium Gravel	0.20	186.64	53	0.02	197.8384	7.05	Medium Gravel
Coarse Gravel	0.18	10	10	0.083	8.3	0.27	Coarse Gravel
Sandstone	0.25	10	10	0.083	8.3	0.37	Sandstone
Siltstone	0.18	10	10	0.083	8.3	0.27	Siltstone
Shale	0.05	10	10	0.083	8.3	0.07	Shale
Limestone	0.13	10	10	0.083	8.3	0.19	Limestone
Basalt	0.19	10	10	0.083	8.3	0.28	Basalt
Volcanic Tuff	0.20	10	10	0.083	8.3	0.30	Volcanic Tuff
Standing Liquids	Х	10	10	0.083	8.3	1.48	Standing Liquids

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

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

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

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

Cubic Feet = L x W x D

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

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

CONDITIONS

Action 56583

#### **CONDITIONS**

Operator:	OGRID:
TAP ROCK OPERATING, LLC	372043
523 Park Point Drive	Action Number:
Golden, CO 80401	56583
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By	Condition	Condition Date
rmarcus	None	1/11/2022

#### **Natalie Gladden**

From: OCDOnline@state.nm.us

**Sent:** Monday, October 18, 2021 2:19 PM **To:** natalie@energystaffingllc.com

**Subject:** The Oil Conservation Division (OCD) has accepted the application, Application ID: 56573

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

The OCD has accepted the submitted *Notification of a release* (NOR), for incident ID (n#) nAPP2129151549, with the following conditions:

• When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.

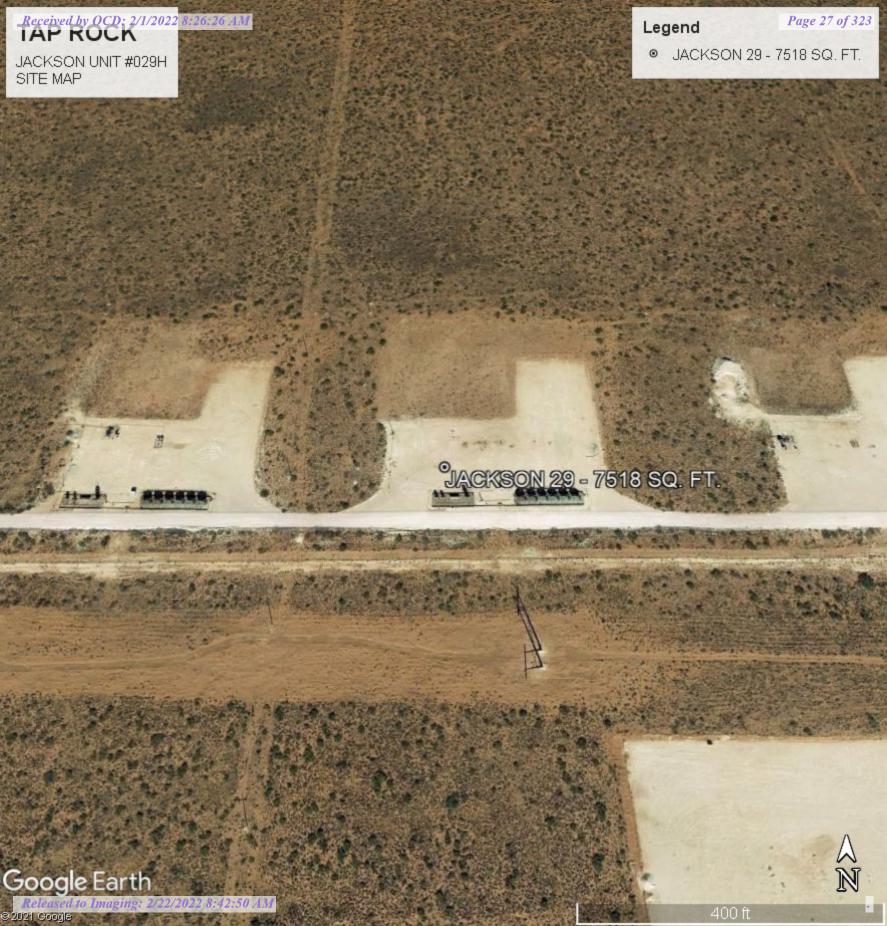
Please reference nAPP2129151549, on all subsequent C-141 submissions and communications regarding the remediation of this release.

NOTE: As of December 2019, NMOCD has discontinued the use of the "RP" number.

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

ocd.enviro@state.nm.us

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





JACKSON UNIT #029H

# 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.

Received by OCD: 2/1/2022 8:26:26 AM

Composition

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

Map unit symbol and soil	Ecological Site, Plant Association, or Habitat Type	Total dry-weight production			Characteristic rangeland	Compositio		
name		Favorable year	Normal year	Unfavorable year	or forest understory vegetation	n	Rangeland	Forest understory
		Lb/ac	Lb/ac	Lb/ac		Pct dry wt	Pct dry wt	
PU—Pyote and Maljamar fine sands								

Received by OCD: 2/1/2022 8:26:26 AM

JACKSON UNIT #029H

## **Data Source Information**

Soil Survey Area: Lea County, New Mexico Survey Area Data: Version 18, Sep 10, 2021



#### Soil Map—Lea County, New Mexico (JACKSON UNIT #029H)

#### 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



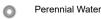
Marsh or swamp



Mine or Quarry



Miscellaneous Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Stony Spot

Spoil Area



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

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 18, Sep 10, 2021

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.

JACKSON UNIT #029H

### **Map Unit Legend**

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
PU	Pyote and Maljamar fine sands	6.2	100.0%
Totals for Area of Interest		6.2	100.0%

Without Base Flood Elevation (BFE)

# Received by OCD: 2/1/2022 8:26:26 AM National Flood Hazard Layer FIRMette





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

With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD HAZARD AREAS Regulatory Floodway 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X **Future Conditions 1% Annual** Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X OTHER AREAS OF FLOOD HAZARD Area with Flood Risk due to Levee Zone D NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D - - - Channel, Culvert, or Storm Sewer **GENERAL** STRUCTURES | LILLI Levee, Dike, or Floodwall

> **Coastal Transect** ₩₩ 513 WW Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary -- Coastal Transect Baseline OTHER **Profile Baseline FEATURES** Hydrographic Feature

17.5 Water Surface Elevation

20.2 Cross Sections with 1% Annual Chance

Digital Data Available No Digital Data Available Unmapped

MAP PANELS

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

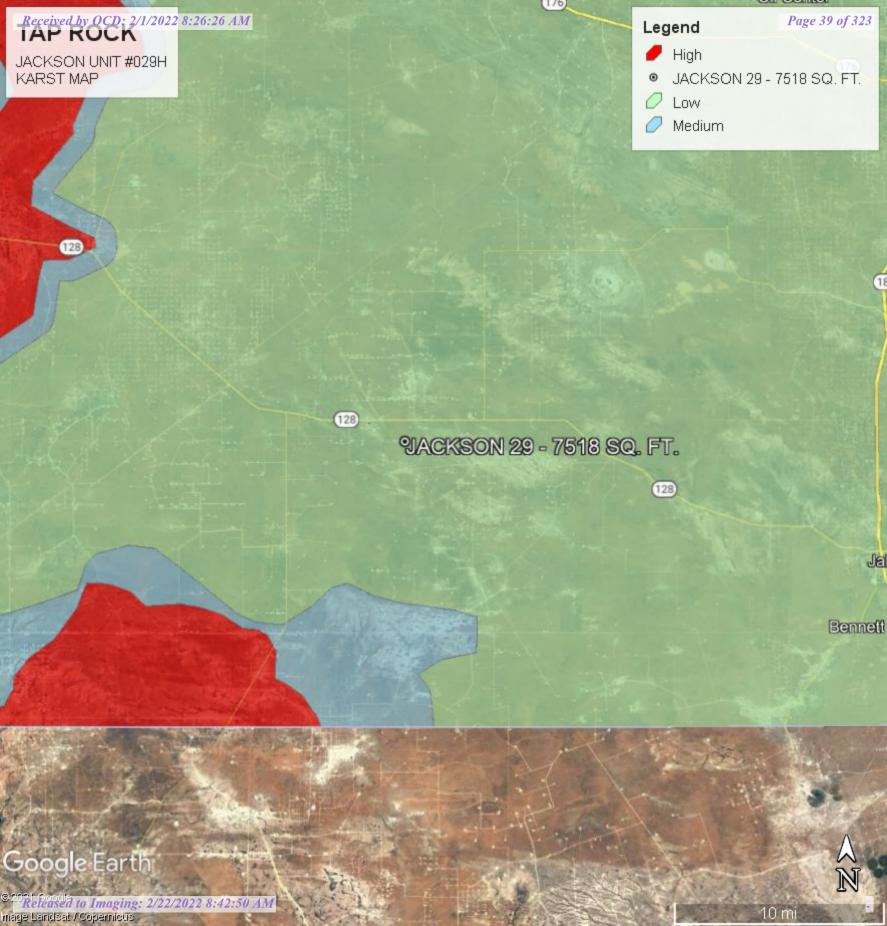
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

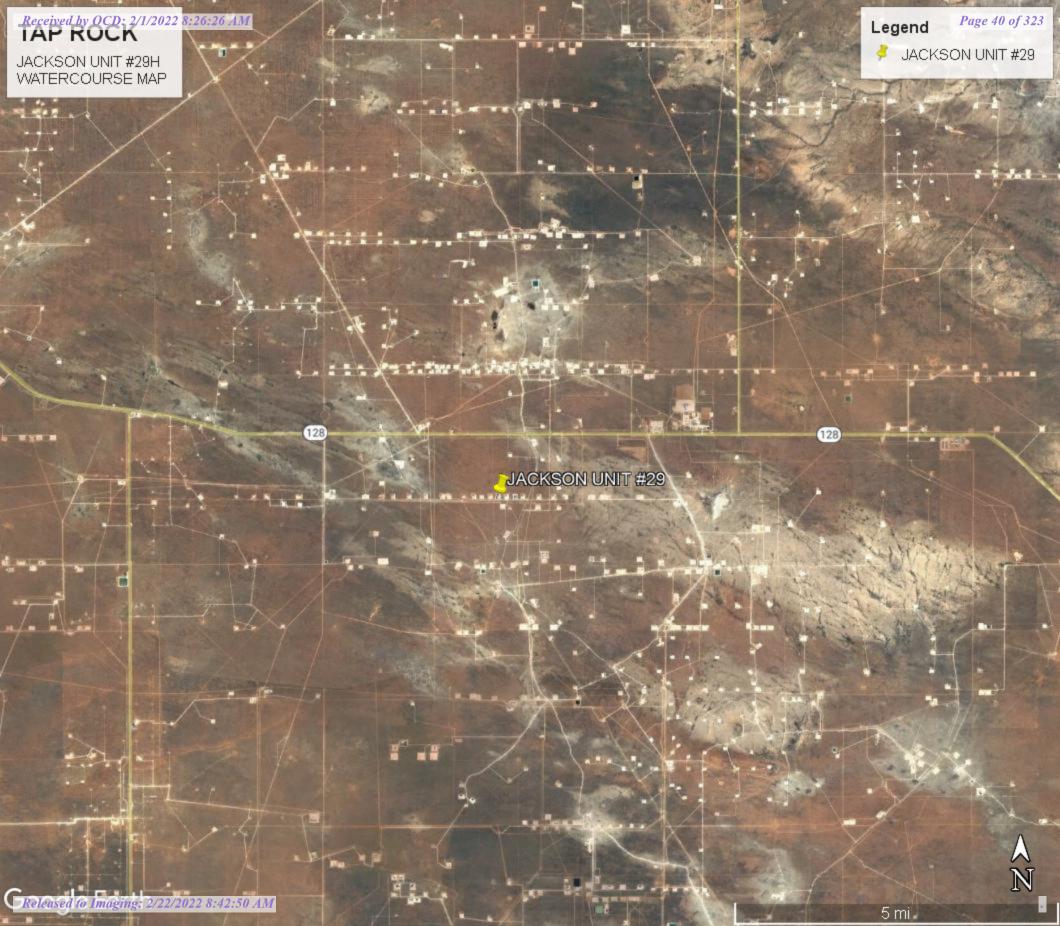
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 1/29/2022 at 4:25 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by 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.



1:6.000





Received by OCD: 2/1/2022 8:26:26 AM



### New Mexico Office of the State Engineer

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## **Wells with Well Log Information**

No wells found.

**UTMNAD83 Radius Search (in meters):** 

**Easting (X):** 634400.78 **Northing (Y):** 3563098.9 **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, or suitability for any particular purpose of the data.

10/18/21 2:53 PM WELLS WITH WELL LOG INFORMATION



### New Mexico Office of the State Engineer

### Wells with Well Log Information

(R=POD has (A CLW#### in the POD suffix indicates the been replaced, POD has been replaced O=orphaned, (quarters are 1=NW 2=NE 3=SW 4=SE) C=the file is & no longer serves a (NAD83 UTM in meters) water right closed) (quarters are smallest to largest) (in feet) POD License Log File Depth Depth **POD Number** Subbasin County 6416 4 Sec Tws Rng X **Distance Start Date** Finish Date Date Well Water Driller Number C 04339 POD1 08/02/2019 LE 1 3 3 23 24S 33E 636525 3563309 2134 08/01/2019 08/22/2019 1575 CUB 47 CURRIE, SHANEG..TY"ENER C 04339 POD8 CUB LE 1 1 3 23 24S 33E 636519 3563681 2196 07/31/2019 07/31/2019 08/22/2019 30 CURRIE. 1575 SHANEG..TY"ENER C 04339 POD7 CUB LE 4 4 2 23 24S 33E 636473 3564011 2264 07/31/2019 07/31/2019 08/22/2019 43 CURRIE, 1575 SHANEG..TY"ENER C 03600 POD4 CUB LE Shallow 3 3 1 26 24S 33E 3562293 2358 01/08/2013 01/08/2013 01/30/2013 RODNEY HAMMER 636617 1186 C 04339 POD2 CUB LE 2 3 3 23 24S 33E 636789 3563315 2398 08/06/2019 08/06/2019 08/22/2019 CURRIE, 1575 SHANEG..TY"ENER C 03600 POD7 CUB LE Shallow 3 1 3 26 24S 33E 636726 3561968 2585 01/08/2013 01/09/2013 01/30/2013 RODNEY HAMMER 1186 C 03565 POD8 CUB LE 4 1 15 24S 33E 635485 3565610 2735 04/02/2013 C 03565 POD9 CUB LE 4 4 15 24S 33E 636430 3565005 2784 04/02/2013 CUB Shallow 2 2 1 26 24S 33E 3563023 01/07/2013 01/30/2013 RODNEY HAMMER C 03600 POD1 LE 637275 2875 01/07/2013 1186 C 04339 POD3 CUB LE 637273 3563323 38 CURRIE, 2 4 3 23 24S 33E 2881 08/06/2019 08/06/2019 08/22/2019 1575 SHANEG..TY"ENER CUB LE 637273 3563323 08/07/2019 47 C 04339 POD4 2 4 3 23 24S 33E 2881 08/06/2019 08/22/2019 CURRIE. 1575 SHANEG..TY"ENER 3562026 C 03600 POD6 CUB LE 3 1 4 26 24S 33E 637383 3168 01/09/2013 01/09/2013 01/30/2013 RODNEY HAMMER 1186 C 04339 POD5 CUB LE 2 3 4 23 24S 33E 637580 3563328 3187 08/06/2019 08/07/2019 08/22/2019 54 CURRIE. 1575 SHANEG..TY"ENER CUB Shallow 4 1 1 35 24S 33E 3561092 C 03603 POD3 LE 636890 3196 01/13/2013 01/13/2013 01/30/2013 RODNEY HAMMER 1186 07/31/2019 08/22/2019 60 C 04339 POD6 CUB LE 3 1 2 23 24S 33E 637340 3564386 3209 07/31/2019 CURRIE, 1575 SHANEG..TY"ENER C LE 3564428 110 JOHN SIRMAN C 03662 POD1 Shallow 3 1 2 23 24S 33E 637342 3227 08/19/2013 08/20/2013 09/16/2013 550 1654 C 03603 POD5 CUB LE Shallow 3 3 2 35 24S 33E 636745 3560767 01/13/2013 01/30/2013 RODNEY HAMMER 3306 01/12/2013 1186 C 04339 POD10 CUB LE 3563503 49 1575 4 1 4 23 24S 33E 637688 3311 08/01/2019 08/01/2019 08/22/2019 CURRIE, SHANEG..TY"ENER C 04339 POD9 CUB LE 3 4 2 23 24S 33E 637731 3563913 3428 08/01/2019 08/01/2019 08/22/2019 45 CURRIE, 1575 SHANEG..TY"ENER C 03601 POD6 CUB LE Shallow 1 4 4 23 24S 33E 637834 3563338 3441 01/05/2013 01/05/2013 01/30/2013 RODNEY HAMMER 1186 C 03600 POD3 CUB LE Shallow 3 4 2 26 24S 33E 637784 3562340 3467 01/16/2013 01/16/2013 01/30/2013 RODNEY HAMMER 1186 CUB Shallow 3 2 4 23 24S 33E 637846 3563588 01/07/2013 01/30/2013 RODNEY HAMMER C 03601 POD2 LE 3479 01/06/2013 1186 C 03603 POD6 CUB LE Shallow 3 1 3 35 24S 33E 636749 3560447 3542 01/13/2013 01/13/2013 01/30/2013 RODNEY HAMMER 1186 C 03601 POD7 CUB LE Shallow 4 4 4 23 24S 33E 637946 3563170 3546 01/05/2013 01/05/2013 01/30/2013 RODNEY HAMMER 1186 C 03603 POD2 CUB LE Shallow 3 1 2 35 24S 33E 637384 3561167 3553 01/11/2013 01/11/2013 01/30/2013 RODNEY HAMMER 1186 C 03601 POD5 CUB LE Shallow 2 4 4 23 24S 33E 637988 3563334 3595 01/06/2013 01/06/2013 01/30/2013 1186 RODNEY HAMMER C 03600 POD5 CUB LE Shallow 3 2 4 26 24S 33E 637857 3562020 3620 01/09/2013 01/09/2013 01/30/2013 RODNEY HAMMER 1186

Released to Imaging: 2/22/2022 8:42:50 AM file:///C/Users/User/Desktop/CLIENTS/TAPROCK/JACKSON%2029%20-%20JAY%20FUNDERBURK/5000%20WATER%20COLUMN.htm[1/30/2022 3:58:26 PM]

Received by OCD: 2/1/2022 8:26:2	26 AM CUB	LE	Shallow 1 3 3 24 24S 33E	638142	3563413	3754 01/06/2013	01/06/2013 01/30/2013		RODNEY HAMMER	Page 43 of 323
<u>C 03601 POD1</u>	CUB	LE	Shallow 4 4 2 23 24S 33E	638124	3563937	3816 12/21/2012	12/21/2012 01/08/2013		RODNEY HAMMER	1186
C 03565 POD3	CUB	LE	3 4 08 24S 33E	632763	3566546	3817 09/27/2012	10/21/2012 12/11/2012		1533 STEWART, PHILLIP D. (LD)	331
C 03603 POD1	CUB	LE	Shallow 3 2 2 35 24S 33E	637805	3561225	3885 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	4137 01/03/2013	01/04/2013 01/30/2013		RODNEY HAMMER	1186
<u>C 03603 POD4</u>	CUB	LE	Shallow 3 2 4 35 24S 33E	637789	3560461	4293 01/14/2013	01/14/2013 01/30/2013		RODNEY HAMMER	1186
C 03600 POD2	CUB	LE	Shallow 4 4 1 25 24S 33E	638824	3562329	4490 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	4490 01/15/2013	01/15/2013 01/30/2013		RODNEY HAMMER	1186
C 03917 POD1	C	LE	Shallow 4 1 3 13 24S 33E	638374	3565212	4500 03/01/2016	03/04/2016 03/11/2016	600	420 CASE KEY	1058
Record Count: 36  UTMNAD83 Radius Searc	h (in meters	<u>s):</u>								
<b>Easting (X):</b> 634400.78	,		<b>Northing (Y):</b> 3563098.9		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, or suitability for any particular purpose of the data.

WELLS WITH WELL LOG INFORMATION 10/18/21 2:54 PM



# 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

C 04339 POD1 NA

3 23 24S 33E

636525 3563309

**Driller License: 1575** Driller Company: CURRIE DRILLING COMPANY, INC

**Driller Name:** CURRIE, SHANEG..TY"ENER

**Drill Start Date:** 08/01/2019

**Drill Finish Date:** 08/02/2019 Plug Date:

08/02/2019

Log File Date: 08/22/2019 **PCW Rcv Date:** 

Source:

**Pump Type:** 

Pipe Discharge Size:

**Estimated Yield:** 

**Casing Size:** Depth Well: 47 feet

**Depth Water:** 



# 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

C 04339 POD8 NA

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: Casing Size:**  Pipe Discharge Size:

**Depth Well:** 

30 feet

**Depth Water:** 

**Estimated Yield:** 



# 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

7

**Driller License:** 1575

Toro Dimor Com

**Driller Company:** CURRIE DRILLING COMPANY, INC

Driller Name: CURRIE, SHANEG..TY"ENER

**Drill Start Date:** 07/31/2019

**Drill Finish Date:** 

Depth Well:

07/31/2019

07/31/2019

Log File Date:

08/22/2019 **PCW Rcv Date:** 

Source:

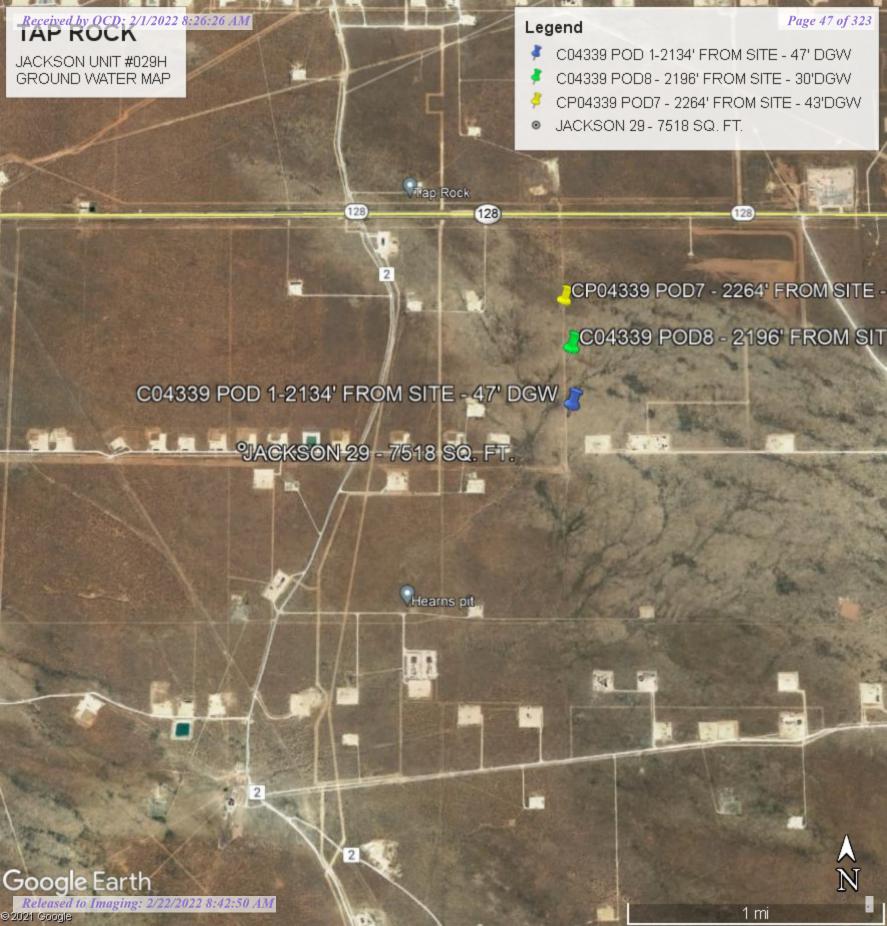
Plug Date:

Pump Type: Casing Size: Pipe Discharge Size:

43 feet

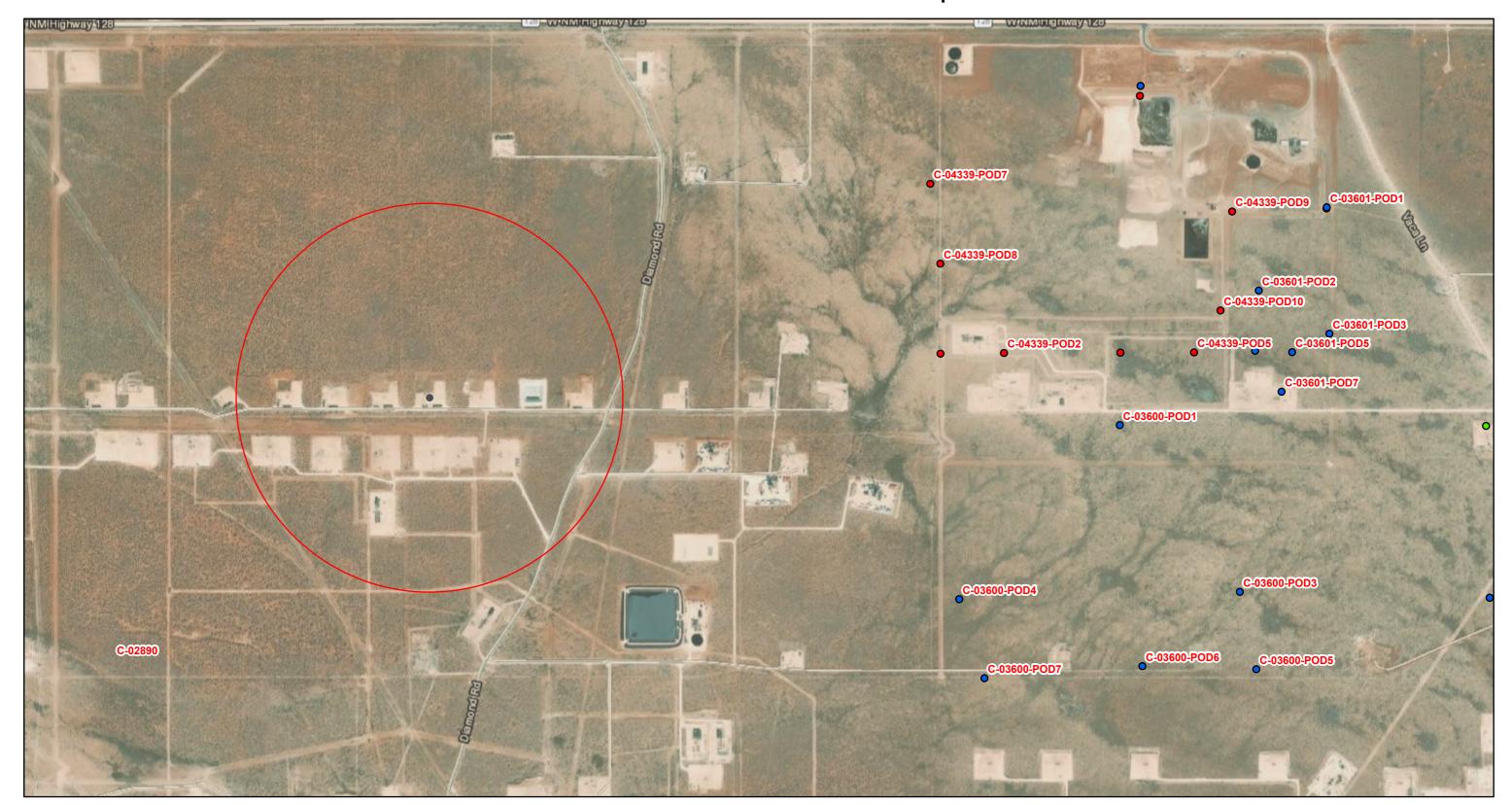
**Depth Water:** 

**Estimated Yield:** 



Received by OCD: 2/1/2022 8:26:26 AM

# OSE POD Locations Map



1/29/2022, 3:13:23 PM

GIS WATERS PODs • Plugged
• Active OSF Distri

Water Right Regulations

OSE District Boundary Closure Area

Pending SiteBoundaries

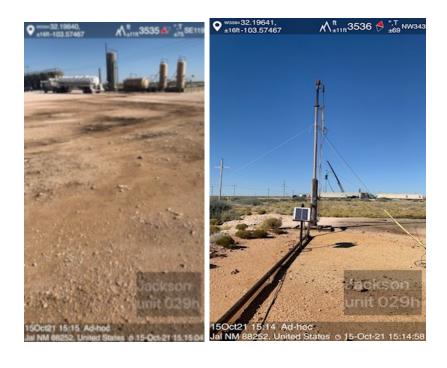
1:18,056 0 0.17 0.35 0.7 mi 0 0.3 0.6 1.2 km

Esri, HERE, iPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, iPC, Maxar

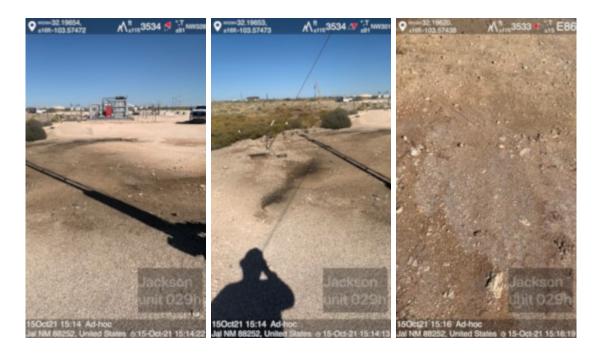
# TAP ROCK JACKSON UNIT #29 INITIAL SITE PHOTOS





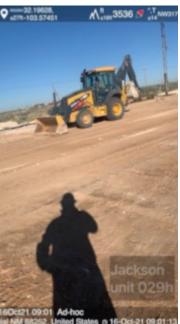


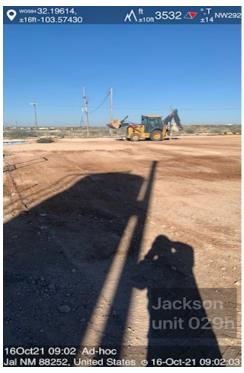


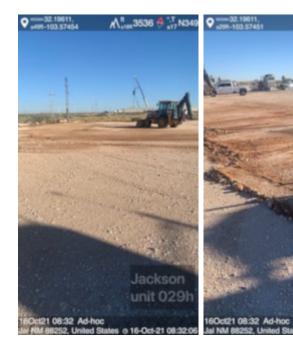


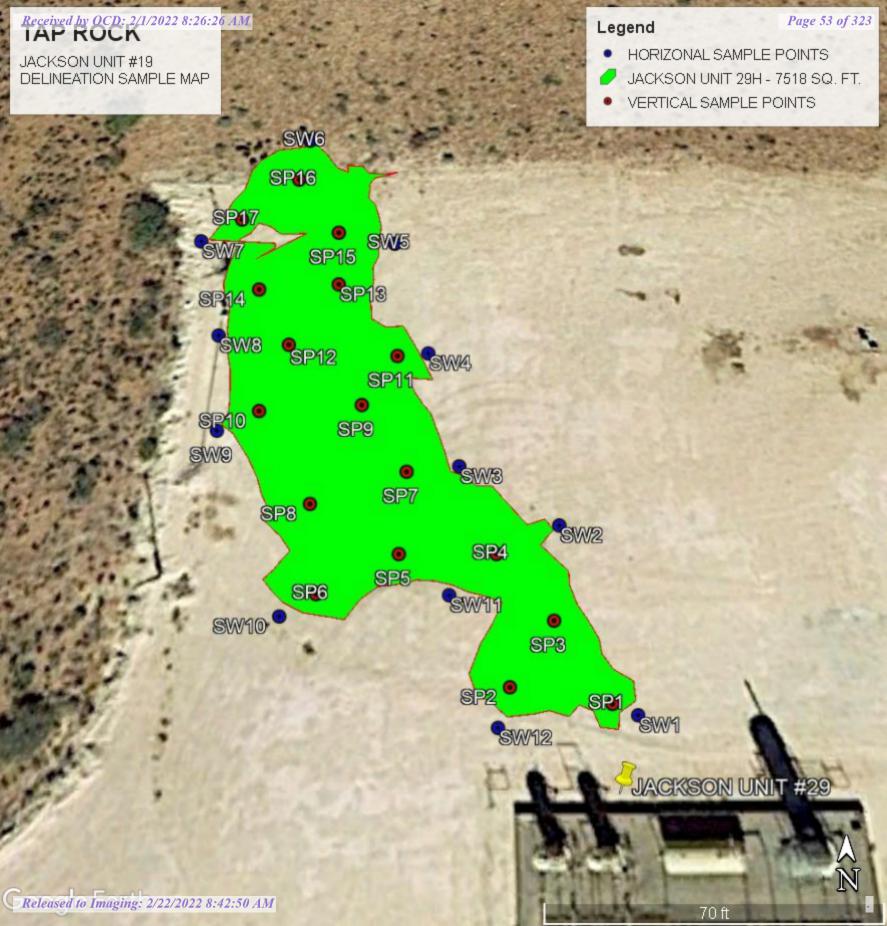












	lame:	IAP	ROCK		Location	Name:	JACKSON	UNIT #29	)	Release Date:	10/15/2021
SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Soil	Notes
SP1	SURF	14800	TPH	ND	ND	121	119	240	12600		
	6"	2020	TPH								
	1'	680									
	1.5'	320									
	2'	40		ND	ND	ND	ND	ND	ND		
SP2	SURF	54000	TPH	ND	ND	642	452	1094	52900		
	6"	8400	TPH								
	1'	1200	TPH								
	1.5"	580									
	2'	20		ND	ND	ND	ND	ND	ND		
SP3	SURF	1100	TPH	ND	ND	72.7	102	174.7	1040		
	6"	1000	TPH								
	1'	640									
	1.5"	320									
	2'	60		ND	ND	ND	ND	ND	42.3		
SP4	SURF	24400	TPH	ND	ND	4310	2360	6670	23900		
	6"	7600	TPH								
	1'	2200									
	1.5"	320									
	2'	100		ND	ND	ND	ND	ND	75		
SP5	SURF	40000	TPH	ND	ND	994	647	1641	37300		
	6"	10020	TPH								
	1'	1860				_					
	1.5"	480									
	2'	40		ND	ND	ND	ND	ND	ND		
SP6	SURF	30200	TPH	ND	ND	1080	700	1780	28500		

	6"	11200	TPH							
	1'	2000								
	1.5"	300								
	2'	20		ND	ND	ND	ND	ND	ND	
SP7	SURF	1840	TPH	ND	ND	4410	4080	8490	1560	
	6"	1600	TPH							
	1'	1040	TPH							
	1.5"	120								
	2'	20		ND	ND	ND	ND	ND	ND	
SP8	SURF	13000	TPH	ND	ND	980	650	1630	12600	
	6"	7040	TPH							
	1'	800								
	1.5"	480								
	2'	40		ND	ND	ND	ND	ND	ND	
SP9	SURF	42200	TPH	ND	ND	179	182	361	40000	
	6"	12400	TPH							
	1'	1200								
	1.5"	540								
	2'	60		ND	ND	ND	ND	ND	46.9	
	T	_	1						T	
SP10	SURF	10800	TPH	ND	ND	2070	1810	3880	10100	
	6"	5040	TPH							
	1'	1200	TPH							
	1.5"	400								
	2'	80		ND	ND	ND	ND	ND	55.6	
		T							T	
SP11	SURF	19000	TPH	ND	ND	171	150	321	18600	
	6"	10460	TPH							
	1'	2200								
	1.5"	580								
	2'	80		ND	ND	ND	ND	ND	66	

SP12	SURF	6300	TPH	ND	ND	6800	4650	11450	6080	
	6"	3200	TPH							
	1'	860								
	1.5"	420								
	2'	80		ND	ND	ND	ND	ND	62.4	
SP13	SURF	6500	TPH	ND	ND	4100	2960	7060	6300	
	6"	4420	TPH							
	1'	1240	TPH							
	1.5"	440								
	2'	80		ND	ND	ND	ND	ND	65.1	
SP14	SURF	10000	TPH	ND	ND	5760	5320	11080	9770	
	6"	5060	TPH							
	1'	1440	TPH							
	1.5"	240								
	2	80		ND	ND	48.4	ND	48.4	67	
SP15	SURF	6280	TPH	ND	ND	3940	3270	7210	6110	
	6"	3200	TPH							
	1'	1240								
	1.5"	540								
	2'	60		ND	ND	ND	ND	ND	57.5	
SP16	SURF	3400	TPH	ND	ND	1180	795	1975	3380	
	6"	1200								
	1'	980								
	1.5"	400								
	2'	80		ND	ND	26.8	ND	26.8	56.1	
SP17	SURF	40	TPH	ND	ND	12900	7570	20470	ND	
	6"	40	TPH							
	1'	1200	TPH							

	1.5"	860	TPH							
	2'	640	TPH							
	2.5"	480								
	3'	20		ND	ND	74.4	58.8	133.2	ND	
SW1	SURF	80	TPH	ND	ND	32.6	ND	32.6	83.1	
	1'	60								
	2'	40		ND	ND	ND	ND	ND	31.6	
SW2	SURF	800		ND	ND	ND	ND	ND	761	
	1'	400								
	2'	280		ND	ND	ND	ND	ND	261	
		•								
SW3	SURF	400		ND	ND	ND	ND	ND	353	
	1'	120								
	2'	40		ND	ND	ND	ND	ND	29.2	
SW4	SURF	1000		ND	ND	ND	ND	ND	994	
	1'	480								
	2'	100		ND	ND	ND	ND	ND	88.5	
SW5	SURF	400	TPH	ND	ND	23400	1760	25160	311	
	1'	100								
	2'	60		ND	ND	ND	ND	ND	40	
SW6	SURF	40		ND	ND	ND	ND	ND	26.9	
	1'	20								
	2'	20		ND	ND	ND	ND	ND	ND	
SW7	SURF	1640	TPH	ND	ND	10700	62700	16970	1500	
	1'	640								
	2'	40		ND	ND	ND	ND	ND	30	
SW8	SURF	60	TPH	ND	ND	92.2	166	258.2	48.7	

	1'	40									
	2'	20		ND	ND	ND	ND	ND	ND		
		<u> </u>									
SW9	SURF	20	TPH	ND	ND	ND	62.3	62.3	ND		
	1'	20									
	2'	20		ND	ND	32.9	145	177.9	ND		
SW10	SURF	60		ND	ND	ND	ND	ND	58.4		
	1'	840									
	2'	660									
	3'	480									
	4'	200		ND	ND	ND	ND	ND	171		
		-									
SW11	SURF	520		ND	ND	ND	ND	ND	467		
	1'	260									
	2'	180		ND	ND	ND	ND	ND	146		
		-									
SW12	SURF	700	TPH	ND	ND	317	329	646	644		
	1'	400									
	2'	200		ND	ND	27.3	52.2	79.5	170		
		<u> </u>			l	T	l	T		Ī	
		1			I	T	I	T		T	

Company Name: TAP ROCK Location Name: JACKSON UNIT #29 Release Da 10/15/2021

#### **DELINEATION VERTICAL BOTTOM HOLE SAMPLES**

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
SP1	2'	40	ND	ND	ND	ND	ND	ND	ND
SP2	2'	20	ND	ND	ND	ND	ND	ND	ND
SP3	2'	60	ND	ND	ND	ND	ND	ND	42.3
SP4	2'	100	ND	ND	ND	ND	ND	ND	75
SP5	2'	40	ND	ND	ND	ND	ND	ND	40
SP6	2'	20	ND	ND	ND	ND	ND	ND	20
SP7	2'	20	ND	ND	ND	ND	ND	ND	20
SP8	2'	40	ND	ND	ND	ND	ND	ND	ND
SP9	2'	60	ND	ND	ND	ND	ND	ND	46.9
SP10	2'	80	ND	ND	ND	ND	ND	ND	55.6
SP11	2'	80	ND	ND	ND	ND	ND	ND	66
SP12	2'	80	ND	ND	ND	ND	ND	ND	62.4
SP13	2'	80	ND	ND	ND	ND	ND	ND	65.1
SP14	2'	80	ND	ND	ND	48.4	ND	48.4	67
SP15	2'	60	ND	ND	ND	ND	ND	ND	57.5
SP16	3'	80	ND	ND	ND	26.8	ND	26.8	56.1
SP17	3'	20	ND	ND	ND	74.4	58.8	133.2	ND

#### DELINEATION GPS DATA TAPROCK - JACKSON UNIT #029H

SAMPLE ID	LAT	LONG
SP1	32.196168	-103.574370
SP2	32.196178	-103.574445
SP3	32.196220	-103.574410
SP4	32.196264	-103.574453
SP5	32.196264	-103.574530
SP6	32.196237	-103.574593
SP7	32.196322	-103.574525
SP8	32.196299	-103.574602
SP9	32.196373	-103.574564
SP10	32.196358	-103.574650
SP11	32.196413	-103.574534
SP12	32.196423	-103.574630
SP13	32.196476	-103.574589
SP14	32.196471	-103.574661
SP15	32.196524	103.574592
SP16	32.196577	-103.574634
SP17	32.196537	-103.574684
SW1	32.196156	-103.574351
SW2	32.196283	-103.574402
SW3	32.196326	-103.574481
SW4	32.196416	-103.574508
SW5	32.196514	-103.574540
SW6	32.196619	-103.574626
SW7	32.196516	-103.574720
SW8	32.196431	-103.574693
SW9	32.196364	103.574685
SW10	32.196222	-103.574620
SW11	32.196231	-103.574495
SW12	32.196154	-103.574455

#### **Natalie Gladden**

**From:** natalie@energystaffingllc.com

Sent: Wednesday, November 24, 2021 1:40 PM

**To:** 'ocdonline, emnrd, EMNRD'

Cc: Bratcher, Mike, EMNRD; 'Hensley, Chad, EMNRD'; robert.hamlet@state.nm.us;

dakoatah@energystaffingllc.com; 'Christian Combs'

**Subject:** TAPROCK - JACKSON 29H - COMPOSITE SAMPLES

**Importance:** High

All,

ESS has begun excavation on the Jackson 29H for Tap Rock last week and composite sampling is underway. This release is from 10/15/21 with an incident number of nAPP2129151549. If you have any questions please do not hesitate to contact me.

### Natalie Gladden

**Director of Environmental and Regulatory Services** 

**Energy Staffing Services, LLC.** 

2724 NW County Road Hobbs, NM 88240 Cell: 575-390-6397

Email: natalie@energystaffingllc.com



Company Na	me:		TAP RC	СК	Location	Name:	JACKSON	UNIT #29	)	Release Date:	10/15/2021
SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Soil	Notes
SP1		40									
SP2		20									
SP3		60									
SP4		ND									
SP5		40									
COMP1	2'	60		ND	ND	ND	ND	ND	47.8		
	I		1	1	1	1					
SP1		80									
SP2		20									
SP3		40									
SP4		20									
SP5		ND									
COMP 2	2'	80		ND	ND	ND	ND	ND	59.8		
	T		T	T	T	T					
SP1		ND									
SP2		ND									
SP3		40									
SP4		60									
SP5		ND									
COMP 3	2'	40		ND	ND	ND	ND	ND	39.2		
	ı		1	1	1	1					
SP1		80									
SP2		ND									
SP3		40									
SP4		20									
SP5		ND									
COMP 4	2'	80		ND	ND	ND	ND	ND	76.8		
										_	
SP1		20									
SP2		ND									
SP3		ND									

SP4		ND										
SP5		20										
COMP 5	2'	20		ND	ND	ND	ND	ND	ND			
			<u> </u>		<u> </u>	<u> </u>			<u> </u>	 		
SP1		ND										
SP2		40										
SP3		20										
SP4		ND										
SP5		20										
COMP 6	2'	40		ND	ND	ND	ND	ND	46			
SP1		260										
SP2		80										
SP3		100										
SP4		40										
SP5		100										
COMP 7	2'	460		ND	ND	ND	ND	ND	439			
	2'			ND	ND	ND	ND	ND	439			
SP1	2'	ND		ND	ND ND	ND ND	ND	ND	439			
SP1 SP2	2'	ND 300		ND	ND ND	ND	ND	ND	439			
SP1 SP2 SP3	2'	ND 300 20		ND	ND	ND	ND	ND	439			
SP1 SP2 SP3 SP4	2'	ND 300 20 ND		ND	ND	ND	ND	ND	439			
SP1 SP2 SP3 SP4 SP5		ND 300 20 ND ND										
SP1 SP2 SP3 SP4	2'	ND 300 20 ND		ND ND	ND ND	ND 42	ND ND	ND 42	185			
SP1 SP2 SP3 SP4 SP5 COMP 8		ND 300 20 ND ND 200										
SP1 SP2 SP3 SP4 SP5 COMP 8		ND 300 20 ND ND 200										
SP1 SP2 SP3 SP4 SP5 COMP 8  SP1 SP2		ND 300 20 ND ND 200										
SP1 SP2 SP3 SP4 SP5 COMP 8  SP1 SP2 SP3		ND 300 20 ND ND 200 100 40 80										
SP1 SP2 SP3 SP4 SP5 COMP 8  SP1 SP2 SP3 SP4 SP5		ND 300 20 ND ND 200 100 40 80 20										
SP1 SP2 SP3 SP4 SP5 COMP 8  SP1 SP2 SP3 SP4 SP5 SP5	2'	ND 300 20 ND ND 200 100 40 80 20 40		ND	ND	42	ND	42	185			
SP1 SP2 SP3 SP4 SP5 COMP 8  SP1 SP2 SP3 SP4 SP5		ND 300 20 ND ND 200 100 40 80 20										
SP1 SP2 SP3 SP4 SP5 COMP 8  SP1 SP2 SP3 SP4 SP5 COMP 9	2'	ND 300 20 ND ND 200 100 40 80 20 40 80		ND	ND	42	ND	42	185			
SP1 SP2 SP3 SP4 SP5 COMP 8  SP1 SP2 SP3 SP4 SP5 SP5	2'	ND 300 20 ND ND 200 100 40 80 20 40		ND	ND	42	ND	42	185			

SP3		20							
SP4		20							
SP5		20							
COMP 10	2'	20	ND	ND	ND	ND	ND	20.5	
COIVIP 10			ND	טאו	טאו	שוו	ן אט	20.5	
SP1		200							
SP2		200							
SP3		400							
SP4		20							
SP5		20							
COMP11	2'	200	ND	ND	ND	ND	ND	182	
COMMIT		200	 IND	IND	IND	IND	I NO	102	
SP1		200							
SP2		40							
SP3		20							
SP4		100							
SP5		20							
COMP 12	2'	140	ND	ND	ND	ND	ND	106	
		•					•		
SP1		880							
SP2		960							
SP3		1040							
SP4		1120							
SP5		1040							
COMP 13	1'	1120							EXCAVATED DEEPER
SP1		20							
SP2		40							
SP3		40							
SP4		40							
SP5		60							
COMP 13A	2'	40	ND	ND	ND	ND	ND	31.3	
SP1		ND							

SP2		ND									I
SP3		40									
SP4		20									
SP5		ND									
COMP 14	2'	20		ND	ND	ND	ND	ND	ND		
		T	1 1			T		ı	ı	T	
SP1		100									
SP2		20									
SP3		20									
SP4		40									
SP5		200									
COMP 15	2'	100		ND	ND	ND	ND	ND	89.6		
SP1		20									
SP2		40									
SP3		20									
SP4		100									
SP5		ND									
COMP 16	2'	60		ND	ND	ND	ND	ND	32.8		
SP1		ND									
SP2		100									
SP3		60									
SP4		20									
SP5		20									
COMP 17	2'	40		ND	ND	ND	ND	ND	44.6		
SP1		20									
SP2		20									
SP3		ND									
SP4		60									
SP5		40									
COMP 18	2'	40		ND	ND	ND	ND	ND	35.9		

SP1		20								
SP2		100								
SP3		40								
SP4		80								
SP5		20								
COMP 19	2'	60		ND	ND	ND	ND	ND	53.2	
			<u> </u>		.,					
SP1		40								
SP2		20								
SP3		40								
SP4		40								
SP5		20								
COMP 20	2'	40		ND	ND	ND	ND	ND	39.6	
SP1		ND								
SP2		ND								
SP3		20								
SP4		20								
SP5		ND								
COMP 21	2'	20		ND	ND	ND	ND	ND	ND	
SP1		20								
SP2		40								
SP3		20								
SP4		ND								
SP5		40								
COMP 22	2'	40		ND	ND	ND	ND	ND	43.1	
		•	1			1	1	ı		
SP1		100								
SP2		20								
SP3		80								
SP4		40								
SP5		20								
COMP 23	2'	100		ND	ND	ND	ND	ND	86.5	

SP1		240									
SP2		100									
SP3		20									
SP4		ND									
SP5		20									
COMP 24	2'	160		ND	ND	ND	ND	ND	123		
SP1		20									
SP2		20									
SP3		40									
SP4		20									
SP5		40									
COMP 25	2'	40		ND	ND	ND	ND	ND	46.7		
			T T		1	T	T	1	T	Ī	
SP1		20									
SP2		60									
SP3		ND									
SP4		ND									
SP5	0.1	ND									
COMP 26	2'	40		ND	ND	ND	ND	ND	ND		
CD4		560	1		1	I	ı	l	ı	1	<u> </u>
SP1		560									
SP2 SP3		400 320									
SP4		800									
SP5		400									
COMP 27	1'	720									EXCAVATED FURTHER
COIVIF 27	1	720									LACAVATED TORTHER
SP1		40			I	I		I		I	
SP2		60									
SP3		20									
SP4		20									
SP5		ND					1		1	1	

COMP 27A	2'	40		ND	ND	ND	ND	ND	27		
SP1		20									
SP2		>4000									
SP3		20									
SP4		20									
SP5		20									
COMP 28	1'	2800									EXCAVATED FURTHER
SP1		20									
SP2		20									
SP3		20									
SP4		40									
SP5		40									
COMP 28	2'	40		ND	ND	ND	ND	ND	20.3		
		ı	1				1		•		
SP1		20									
SP2		80									
SP3		60									
SP4		20									
SP5		20									
COMP 29	2'	40		ND	ND	ND	ND	ND	67.3		
		1	1 1				ı		ı	Г	
SP1		600									
SP2		400									
SP3		1260							-		
SP4		900									
SP5	1'	100									TYCAVATED SUBTUSE
COMP 30	<u> </u>	700									EXCAVATED FURTHER
SP1		20									
SP2		ND									
SP3		ND									
SP4		20									
374									L		

SP5		20		I				I			
COMP 30A	2'	40		ND	ND	ND	ND	ND	25.7		
		•		•	•	,		•			
SP1		20									
SP2		80									
SP3		20									
SP4		40									
SP5		20									
COMP 31	2'	40		ND	ND	ND	ND	ND	49		
SP1		2000									
SP2		1800									
SP3		200									
SP4		800									
SP5		400									
COMP 32	1'	960									EXCAVATED FURTHER
		•	1	<u> </u>	T	1	T	<u> </u>	T	T	
SP1		20									
SP2		20									
SP3		20									
SP4		20									
SP5		20									
COMP 32A	2'	20		ND	ND	ND	ND	ND	ND		
654		200	I	I	I		T T	I		 	
SP1		200	-								
SP2		140									
SP3		20									
SP4		40									
SP5 COMP 33	2'	20 100		ND	ND	ND	ND	ND	119		
COIVIP 33		100		NU	שא	שוי	טאו	שוו	119		
SP1		240			I						
SP2		320		<del>                                     </del>							
SP3		240									
373		240			<b>↓</b>		<u> </u>	<u> </u>	Į		

SP4		20									
SP5		20									
COMP 34	2'	200	ND	ND	ND	ND	ND	112			
					<u> </u>			<u> </u>	<u> </u>	•	
SP1		320									
SP2		140									
SP3		80									
SP4		240									
SP5		240									
COMP 35	2'	140	ND	ND	ND	ND	ND	114			
SP1		240									
SP2		200									
SP3		100									
SP4		40									
SP5		20									
	21										
COMP 36	3'	160	ND	ND	ND	ND	ND	148			
	3.		ND	ND	ND	ND	ND	148			
SP1	3	200	ND	ND	ND ND	ND	ND	148			
SP1 SP2	3'	200	ND	ND	ND	ND	ND	148			
SP1 SP2 SP3	3'	200 40 100	ND	ND	ND	ND	ND	148			
SP1 SP2 SP3 SP4	3'	200 40 100 20	ND	ND	ND	ND	ND	148			
SP1 SP2 SP3 SP4 SP5		200 40 100 20 60									
SP1 SP2 SP3 SP4	2'	200 40 100 20	ND ND	ND ND	51.3	ND ND	51.3	148		EXCAVA	ATED FURTHER
SP1 SP2 SP3 SP4 SP5 COMP 37		200 40 100 20 60 140								EXCAVA	ATED FURTHER
SP1 SP2 SP3 SP4 SP5 COMP 37		200 40 100 20 60 140								EXCAVA	ATED FURTHER
SP1 SP2 SP3 SP4 SP5 COMP 37		200 40 100 20 60 140								EXCAVA	ATED FURTHER
SP1 SP2 SP3 SP4 SP5 COMP 37  SP1 SP2 SP3		200 40 100 20 60 140 60 40 100								EXCAVA	ATED FURTHER
SP1 SP2 SP3 SP4 SP5 COMP 37  SP1 SP2 SP3 SP4		200 40 100 20 60 140 60 40 100 20								EXCAVA	ATED FURTHER
SP1 SP2 SP3 SP4 SP5 COMP 37  SP1 SP2 SP3 SP4 SP5 SP5	2'	200 40 100 20 60 140 60 40 100 20 60	ND	ND	51.3	ND	51.3	113		EXCAVA	ATED FURTHER
SP1 SP2 SP3 SP4 SP5 COMP 37  SP1 SP2 SP3 SP4		200 40 100 20 60 140 60 40 100 20								EXCAVA	ATED FURTHER
SP1 SP2 SP3 SP4 SP5 COMP 37  SP1 SP2 SP3 SP4 SP5 COMP 37	2'	200 40 100 20 60 140 60 40 100 20 60 140	ND	ND	51.3	ND	51.3	113		EXCAVA	ATED FURTHER
SP1 SP2 SP3 SP4 SP5 COMP 37  SP1 SP2 SP3 SP4 SP5 SP5	2'	200 40 100 20 60 140 60 40 100 20 60	ND	ND	51.3	ND	51.3	113		EXCAVA	ATED FURTHER

SP3		120							
SP4		ND							
SP5		20							
COMP 38	6"	120	ND	ND	ND	ND	ND	102	
		<u> </u>							
SP1		3000							
SP2		20							
SP3		400							
SP4		200							
SP5		20							
COMP 39	6"	700							
SP1		ND							
SP2		ND							
SP3		60							
SP4		ND							
SP5		20							
COMP 39A	6"	40	ND	ND	ND	ND	ND	20.7	
SP1		20							
SP2		100							
SP3		ND							
SP4		40							
SP5		20							
SW1									
		140	ND	ND	ND	ND	ND	120	
CD4			ND	ND	ND	טא	ND	120	
SP1		20	ND	NU	NU	אט	ND	120	
SP2		20 20	ND	ND	NU	NU	ND	120	
SP2 SP3		20 20 ND	ND	ND	ND	ND	ND	120	
SP2 SP3 SP4		20 20 ND ND	ND	ND	ND	ND	ND	120	
SP2 SP3 SP4 SP5		20 20 ND ND ND							
SP2 SP3 SP4		20 20 ND ND	ND ND	ND ND	ND	ND	ND ND	24	
SP2 SP3 SP4 SP5		20 20 ND ND ND							

SP2	ND							
SP3	220							
SP4	ND							
SP5	ND							
SW3	20	ND	ND	ND	ND	ND	26.2	
SP1	100							
SP2	240							
SP3	60							
SP4	40							
SP5	ND							
SW4	240	ND	ND	ND	ND	ND	211	
			-			-		
SP1	400							
SP2	ND							
SP3	1200							
SP4	400							
SP5	200							
SW5	1000							EXCAVATED FURTHER
SP1	20							
SP2	ND							
SP3	400							
SP4	200							
SP5	40							
SW5	200	ND	ND	ND	ND	ND	151	
SP1	400							
SP2	100							
SP3	ND							
SP4	400							
SP5	20							
SW6	400	ND	ND	ND	ND	ND	331	

SP1				•		•	•		•	1	
SP3         80		ND									
SP4	SP2	20									
SP5         20         ND         ND         ND         ND         ND         ND         ND         SB1.7           SP1         400         TPH         Image: Control of the property of the pro	SP3	80									
SW7	SP4	100									
SP1         400         TPH	SP5	20									
SP2         540   <td>SW7</td> <td>100</td> <td></td> <td>ND</td> <td>ND</td> <td>ND</td> <td>ND</td> <td>ND</td> <td>81.7</td> <td></td> <td></td>	SW7	100		ND	ND	ND	ND	ND	81.7		
SP2         540   <td></td>											
SP3         600   <td>SP1</td> <td>400</td> <td>TPH</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	SP1	400	TPH								
SP4         400   <td>SP2</td> <td>540</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	SP2	540									
SP5         600         ND         ND         74.2         72.7         146.9         1130         EXCAVATED FURTHER           SP1         20	SP3	600	ı								
SW8         600         ND         ND         74.2         72.7         146.9         1130         EXCAVATED FURTHER           SP1         20		400	ı								
SP1         20	SP5	600									
SP2         40	SW8	600		ND	ND	74.2	72.7	146.9	1130		EXCAVATED FURTHER
SP2         40											
SP3         100   <td>SP1</td> <td>20</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	SP1	20									
SP4         40	SP2	40									
SP5         100         ND         ND         ND         ND         91.2           SW8         100         ND         ND         ND         91.2           SW8         100         ND         ND         ND         91.2           SP1         400         SP2         400         SP3         SP3         SP3         SP3         SP3         SP3         SP3         SP3         SP4         SP4 <th< td=""><td>SP3</td><td>100</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	SP3	100									
SW8         100         ND         ND         ND         ND         91.2           SP1         400	SP4	40									
SP1         400   <td>SP5</td> <td>100</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	SP5	100									
SP2         400   <td>SW8</td> <td>100</td> <td></td> <td>ND</td> <td>ND</td> <td>ND</td> <td>ND</td> <td>ND</td> <td>91.2</td> <td></td> <td></td>	SW8	100		ND	ND	ND	ND	ND	91.2		
SP2         400   <td></td>											
SP3         280   <td>SP1</td> <td>400</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	SP1	400									
SP4         480         480         5P5         20         5P5         20         5P5         20         5P5         20         5P6         5EXCAVATED FURTHER         6EXCAVATED	SP2	400									
SP5         20         ND         ND         66.6         56.5         121.9         910         EXCAVATED FURTHER           SP1         20         ND         ND <td< td=""><td>SP3</td><td>280</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	SP3	280									
SW9         600         ND         ND         66.6         56.5         121.9         910         EXCAVATED FURTHER           SP1         20	SP4	480									
SP1         20         1         20           SP2         40<	SP5	20									
SP2         40         6         6         6         7         8         9	SW9	600		ND	ND	66.6	56.5	121.9	910		EXCAVATED FURTHER
SP2         40         6         6         6         7         8         9											
SP3         20	SP1	20									
SP4         40	SP2	40									
SP5 20	SP3	20									
	SP4	40									
CMO 20 ND ND ND ND ND ND	SP5	20									
5W9   20   NU   NU   NU   NU   NU   NU	SW9	20		ND	ND	ND	ND	ND	ND		

SP1	480							
SP2	440							
SP3	600							
SP4	460							
SP5	400							
SW10	800	ND	ND	ND	ND	ND	ND	AT FLARE BASE
SP1	200							
SP2	100							
SP3	40							
SP4	100							
SP5	20							
SW11	160	ND	ND	ND	ND	ND	140	
SP1	400							
SP2	480							
SP3	200							
SP4	ND							
SP5	ND							
SW12	480	ND	ND	43.5	ND	43.5	432	

Company Name: Tap Rock Location Name: Jackson Unit #29H Release Date: 10/15/2021

#### **COMPOSITE LAB ANALYSIS**

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Soil	Notes
COMP 1		60		ND	ND	ND	ND	ND	47.8		
COMP 2		80		ND	ND	ND	ND	ND	59.8		
COMP 3		40		ND	ND	ND	ND	ND	39.2		
COMP 4		80		ND	ND	ND	ND	ND	76.8		
COMP 5		20		ND	ND	ND	ND	ND	ND		
COMP 6		40		ND	ND	ND	ND	ND	46		
COMP 7		460		ND	ND	ND	ND	ND	439		
COMP 8		200		ND	ND	42	ND	42	185		
COMP 9		80		ND	ND	ND	ND	ND	72.3		
COMP 10		20		ND	ND	ND	ND	ND	20.5		
COMP 11		200		ND	ND	ND	ND	ND	182		
COMP 12		140		ND	ND	ND	ND	ND	106		
COMP 13A		40		ND	ND	ND	ND	ND	31.3		
COMP 14		20		ND	ND	ND	ND	ND	ND		
COMP 15		100		ND	ND	ND	ND	ND	89.6		
COMP 16		60		ND	ND	ND	ND	ND	32.8		
COMP 17		40		ND	ND	ND	ND	ND	44.6		
COMP 18		40		ND	ND	ND	ND	ND	35.9		
COMP 19		60		ND	ND	ND	ND	ND	53.2		
COMP 20		40		ND	ND	ND	ND	ND	39.6		
COMP 21		20		ND	ND	ND	ND	ND	ND		
COMP 22		40		ND	ND	ND	ND	ND	43.1		
COMP 23		100		ND	ND	ND	ND	ND	86.5		
COMP 24		160		ND	ND	ND	ND	ND	123		
COMP 25		40		ND	ND	ND	ND	ND	46.7		
COMP 26		40		ND	ND	ND	ND	ND	ND		
COMP 27A		40		ND	ND	ND	ND	ND	27		
COMP 28		40		ND	ND	ND	ND	ND	20.3		
COMP 29		40		ND	ND	ND	ND	ND	67.3		
COMP 30A		40		ND	ND	ND	ND	ND	25.7		
COMP 31		40		ND	ND	ND	ND	ND	49		

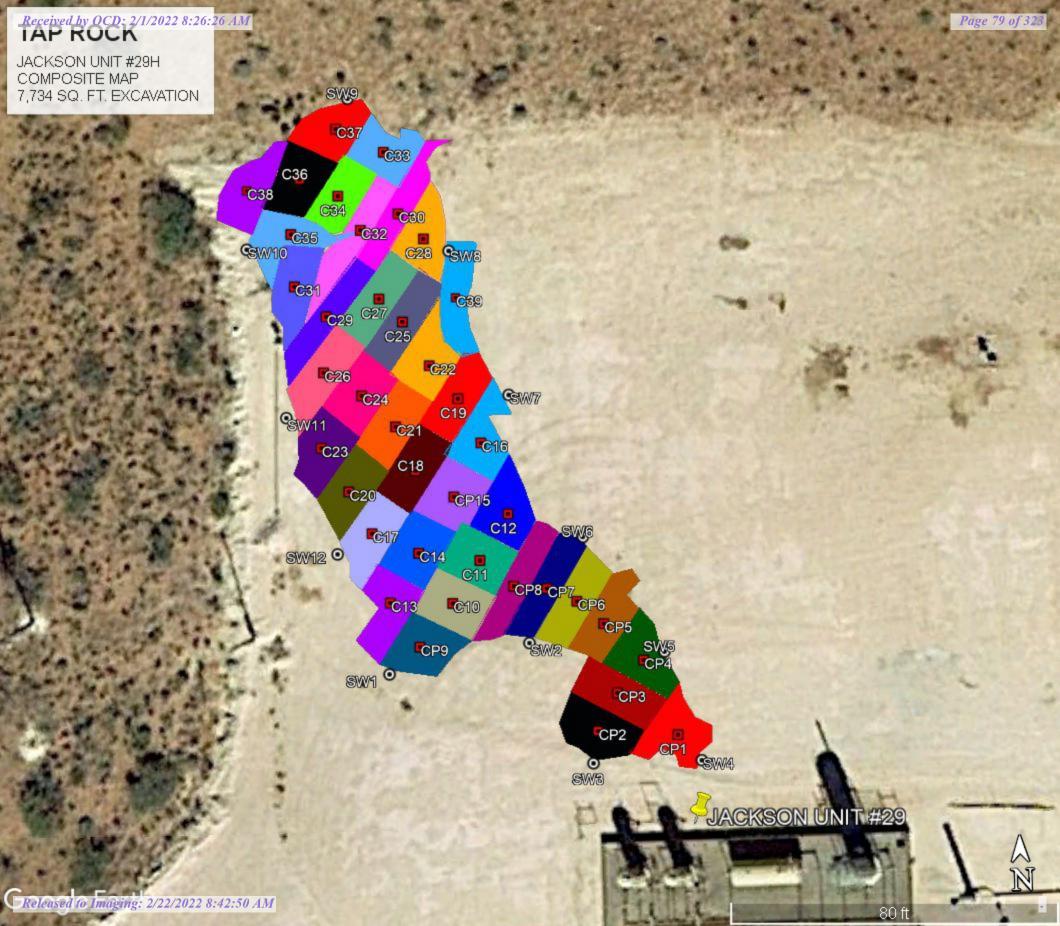
COMP 32A	20	ND	ND	ND	ND	ND	ND		
COMP 33	100	ND	ND	ND	ND	ND	119		
COMP 34	200	ND	ND	ND	ND	ND	112		
COMP 35	140	ND	ND	ND	ND	ND	114		
COMP 36	160	ND	ND	ND	ND	ND	148		
COMP 37	140	ND	ND	51.3	ND	51.3	113		
COMP 37	140	ND	ND	33.6	ND	33.6	104		
COMP 38	120	ND	ND	ND	ND	ND	102		
COMP 39A	40	ND	ND	ND	ND	ND	20.7		

Company Name: Tap Rock Location Name: Jackson Unit #29H Release Date: 10/15/2021

#### **COMPOSITE HORIZONTAL LAB ANALYSIS**

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Soil	Notes
SW1				ND	ND	ND	ND	ND	120		
SW2				ND	ND	ND	ND	ND	24		
SW3				ND	ND	ND	ND	ND	26.2		
SW4				ND	ND	ND	ND	ND	211		
SW5				ND	ND	200	214	414	887		
SW5				ND	ND	ND	ND	ND	151		
SW6				ND	ND	27.2	ND	27.2	331		
SW7				ND	ND	ND	ND	ND	81.7		
SW8				ND	ND	74.2	72.7	146.9	1130		
SW8				ND	ND	ND	ND	ND	91.2		
SW9				ND	ND	66.6	56.5	123.1	910		
SW9				ND	ND	ND	ND	ND	ND		
SW10				ND	ND	ND	ND	ND	961		
SW11				ND	ND	ND	ND	ND	140		
SW12				ND	ND	43.5	ND	43.5	432		
SW5E				ND	ND	ND	ND	ND	50.5		DATA ONLY TESTING
SW5 NE				ND	ND	229	104	333	90.7		DATA ONLY TESTING
SW5				ND	ND	ND	ND	ND	25		DATA ONLY TESTING
SW8N				ND	ND	ND	ND	ND	23.3		DATA ONLY TESTING
SW8W				ND	ND	ND	ND	ND	20.7		DATA ONLY TESTING
SW8S				ND	ND	318	154	472	83.7		DATA ONLY TESTING
SW9N				ND	ND	ND	ND	ND	45.2		DATA ONLY TESTING
SW9W				ND	ND	209	106	315	87.8		DATA ONLY TESTING
SW9S				ND	ND	217	115	332	93.7		DATA ONLY TESTING
BACKUP	COMPOSIT	E AUGER	SAMPL	ING ON C	JT WALL [	DUE TO HY	/DROCARE	BONS			
SW5	1'			ND	ND	ND	ND	ND	118		
SW5	2'			ND	ND	ND	ND	ND	253		
SW8	1'			ND	ND	ND	ND	ND	150		
SW8	2'			ND	ND	ND	ND	ND	294		

SW9	1'		ND	ND	ND	ND	ND	ND	
SW9	2'		ND	ND	ND	ND	ND	76	



Report to:

Natalie Gladden







5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

### **Analytical Report**

Tap Rock

Project Name: Jackson\_029

Work Order: E111080

Job Number: 20046-0001

Received: 11/6/2021

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/12/21

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. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 11/12/21

Natalie Gladden 7 W. Compress Road Artesia, NM 88210

Project Name: Jackson\_029

Workorder: E111080

Date Received: 11/6/2021 2:00:00PM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/6/2021 2:00:00PM, under the Project Name: Jackson 029.

The analytical test results summarized in this report with the Project Name: Jackson\_029 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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### **Sample Summary**

Tap Rock	Project Name:	Jackson_029	Reported:
7 W. Compress Road	Project Number:	20046-0001	Keporteu.
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/21 16:39

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP1-surf E	E111080-01A	Soil	11/01/21	11/06/21	Glass Jar, 4 oz.
SP1-2'	E111080-02A	Soil	11/01/21	11/06/21	Glass Jar, 4 oz.
SP2-surf	E111080-03A	Soil	11/01/21	11/06/21	Glass Jar, 4 oz.
SP2-2'	E111080-04A	Soil	11/01/21	11/06/21	Glass Jar, 4 oz.
SP3-surf	E111080-05A	Soil	11/01/21	11/06/21	Glass Jar, 4 oz.
SP3-2'	E111080-06A	Soil	11/01/21	11/06/21	Glass Jar, 4 oz.
SP4-surf	E111080-07A	Soil	11/01/21	11/06/21	Glass Jar, 4 oz.
SP4-2'	E111080-08A	Soil	11/02/21	11/06/21	Glass Jar, 4 oz.
SP5-surf	E111080-09A	Soil	11/01/21	11/06/21	Glass Jar, 4 oz.
SP5-2'	E111080-10A	Soil	11/02/21	11/06/21	Glass Jar, 4 oz.
SP6-surf	E111080-11A	Soil	11/01/21	11/06/21	Glass Jar, 4 oz.
SP6-2'	E111080-12A	Soil	11/02/21	11/06/21	Glass Jar, 4 oz.
SP7-surf	E111080-13A	Soil	11/01/21	11/06/21	Glass Jar, 4 oz.
SP7-2'	E111080-14A	Soil	11/02/21	11/06/21	Glass Jar, 4 oz.
SP8-surf	E111080-15A	Soil	11/01/21	11/06/21	Glass Jar, 4 oz.
SP8-2'	E111080-16A	Soil	11/02/21	11/06/21	Glass Jar, 4 oz.
SP9-surf	E111080-17A	Soil	11/01/21	11/06/21	Glass Jar, 4 oz.
SP9-2'	E111080-18A	Soil	11/02/21	11/06/21	Glass Jar, 4 oz.
SP10-surf	E111080-19A	Soil	11/01/21	11/06/21	Glass Jar, 4 oz.
SP10-2'	E111080-20A	Soil	11/02/21	11/06/21	Glass Jar, 4 oz.

Tap Rock	Project Name:	Jackson_029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:39:15PM

#### SP1-surf E111080-01

		E111080-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2146008
Benzene	ND	0.0250	1	11/08/21	11/10/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/10/21	
Toluene	ND	0.0250	1	11/08/21	11/10/21	
o-Xylene	ND	0.0250	1	11/08/21	11/10/21	
o,m-Xylene	ND	0.0500	1	11/08/21	11/10/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/10/21	
Surrogate: 4-Bromochlorobenzene-PID		93.9 %	70-130	11/08/21	11/10/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2146008
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/10/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.1 %	70-130	11/08/21	11/10/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2146033
Diesel Range Organics (C10-C28)	121	25.0	1	11/09/21	11/11/21	
Oil Range Organics (C28-C36)	119	50.0	1	11/09/21	11/11/21	
Surrogate: n-Nonane		102 %	50-200	11/09/21	11/11/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2146023
Chloride	12600	400	20	11/08/21	11/11/21	



Tap Rock	Project Name:	Jackson_029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:39:15PM

### SP1-2'

	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	: RKS		Batch: 2146008
ND	0.0250	1	11/08/21	11/10/21	
ND	0.0250	1	11/08/21	11/10/21	
ND	0.0250	1	11/08/21	11/10/21	
ND	0.0250	1	11/08/21	11/10/21	
ND	0.0500	1	11/08/21	11/10/21	
ND	0.0250	1	11/08/21	11/10/21	
	92.8 %	70-130	11/08/21	11/10/21	
mg/kg	mg/kg	Analys	: RKS		Batch: 2146008
ND	20.0	1	11/08/21	11/10/21	
	96.5 %	70-130	11/08/21	11/10/21	
		/0-130	11/00/21	11/10/21	
mg/kg	mg/kg	Analysi		11/10/21	Batch: 2146033
mg/kg ND				11/11/21	Batch: 2146033
	mg/kg		: Љ		Batch: 2146033
ND	mg/kg 25.0		: JL 11/09/21	11/11/21	Batch: 2146033
ND	mg/kg 25.0 50.0	Analysi 1 1	: JL 11/09/21 11/09/21 11/09/21	11/11/21 11/11/21	Batch: 2146033
	mg/kg  ND  ND  ND  ND  ND  ND  ND  MD  ND  ND	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           mg/kg         mg/kg           ND         20.0	Result         Limit         Dilution           mg/kg         mg/kg         Analyst           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           mg/kg         70-130           mg/kg         mg/kg         Analyst           ND         20.0         1	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         11/08/21           ND         0.0250         1         11/08/21           ND         0.0250         1         11/08/21           ND         0.0250         1         11/08/21           ND         0.0500         1         11/08/21           ND         0.0250         1         11/08/21           MD         0.0250         1         11/08/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         11/08/21	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         11/08/21         11/10/21           ND         0.0500         1         11/08/21         11/10/21           ND         0.0250         1         11/08/21         11/10/21           mg/kg         70-130         11/08/21         11/10/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         11/08/21         11/10/21



Tap Rock	Project Name:	Jackson_029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:39:15PM

### SP2-surf

E111080-03						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2146008
Benzene	ND	0.0250	1	11/08/21	11/10/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/10/21	
Toluene	ND	0.0250	1	11/08/21	11/10/21	
o-Xylene	ND	0.0250	1	11/08/21	11/10/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/10/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/10/21	
Surrogate: 4-Bromochlorobenzene-PID		96.9 %	70-130	11/08/21	11/10/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2146008
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/10/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.2 %	70-130	11/08/21	11/10/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2146033
Diesel Range Organics (C10-C28)	642	25.0	1	11/09/21	11/11/21	
Oil Range Organics (C28-C36)	452	50.0	1	11/09/21	11/11/21	
Surrogate: n-Nonane		114 %	50-200	11/09/21	11/11/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: IY		Batch: 2146023
Chloride	52900	2000	100	11/08/21	11/11/21	



Tap Rock	Project Name:	Jackson_029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:39:15PM

#### SP2-2'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2146008
Benzene	ND	0.0250	1	11/08/21	11/10/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/10/21	
Toluene	ND	0.0250	1	11/08/21	11/10/21	
o-Xylene	ND	0.0250	1	11/08/21	11/10/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/10/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/10/21	
Surrogate: 4-Bromochlorobenzene-PID		97.8 %	70-130	11/08/21	11/10/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2146008
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/10/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.7 %	70-130	11/08/21	11/10/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: JL		Batch: 2146033
Diesel Range Organics (C10-C28)	ND	25.0	1	11/09/21	11/11/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/09/21	11/11/21	
Surrogate: n-Nonane		118 %	50-200	11/09/21	11/11/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: IY		Batch: 2146023
Chloride	ND	40.0	2	11/08/21	11/11/21	·



Tap Rock	Project Name:	Jackson_029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:39:15PM

#### SP3-surf E111080-05

		E111080-05				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Allaryte	Result	Lillit	Dilution	Trepared	Allalyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2146008
Benzene	ND	0.0250	1	11/08/21	11/10/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/10/21	
Toluene	ND	0.0250	1	11/08/21	11/10/21	
o-Xylene	ND	0.0250	1	11/08/21	11/10/21	
o,m-Xylene	ND	0.0500	1	11/08/21	11/10/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/10/21	
Surrogate: 4-Bromochlorobenzene-PID		91.7 %	70-130	11/08/21	11/10/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2146008
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/10/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.4 %	70-130	11/08/21	11/10/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2146033
Diesel Range Organics (C10-C28)	72.7	25.0	1	11/09/21	11/11/21	
Oil Range Organics (C28-C36)	102	50.0	1	11/09/21	11/11/21	
Surrogate: n-Nonane		116 %	50-200	11/09/21	11/11/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2146023
Chloride	1040	20.0	1	11/08/21	11/11/21	



Tap Rock	Project Name:	Jackson_029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:39:15PM

#### SP3-2'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2146008
Benzene	ND	0.0250	1	11/08/21	11/10/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/10/21	
Toluene	ND	0.0250	1	11/08/21	11/10/21	
o-Xylene	ND	0.0250	1	11/08/21	11/10/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/10/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/10/21	
Surrogate: 4-Bromochlorobenzene-PID		91.9 %	70-130	11/08/21	11/10/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: RKS		Batch: 2146008
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/10/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.2 %	70-130	11/08/21	11/10/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: JL		Batch: 2146033
Diesel Range Organics (C10-C28)	ND	25.0	1	11/09/21	11/11/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/09/21	11/11/21	
Surrogate: n-Nonane		115 %	50-200	11/09/21	11/11/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: IY		Batch: 2146023



Tap Rock	Project Name:	Jackson_029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:39:15PM

#### SP4-surf E111080-07

		E111080-07				
Aughte	Result	Reporting Limit	Dilution	Duomonod	Analyzed	Notes
Analyte	Result	Limit	Dilution	Prepared	Allalyzeu	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2146008
Benzene	ND	0.0250	1	11/08/21	11/10/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/10/21	
Toluene	ND	0.0250	1	11/08/21	11/10/21	
o-Xylene	ND	0.0250	1	11/08/21	11/10/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/10/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/10/21	
Surrogate: 4-Bromochlorobenzene-PID		99.6 %	70-130	11/08/21	11/10/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2146008
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/10/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.4 %	70-130	11/08/21	11/10/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2146033
Diesel Range Organics (C10-C28)	4310	25.0	1	11/09/21	11/11/21	
Oil Range Organics (C28-C36)	2360	50.0	1	11/09/21	11/11/21	
Surrogate: n-Nonane		112 %	50-200	11/09/21	11/11/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: IY		Batch: 2146023
Chloride	23900	2000	100	11/08/21	11/11/21	



Tap Rock	Project Name:	Jackson_029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:39:15PM

#### SP4-2'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2146008
Benzene	ND	0.0250	1	11/08/21	11/10/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/10/21	
Toluene	ND	0.0250	1	11/08/21	11/10/21	
o-Xylene	ND	0.0250	1	11/08/21	11/10/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/10/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/10/21	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	11/08/21	11/10/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2146008
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/10/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.3 %	70-130	11/08/21	11/10/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: JL		Batch: 2146033
Diesel Range Organics (C10-C28)	ND	25.0	1	11/09/21	11/12/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/09/21	11/12/21	
Surrogate: n-Nonane		117 %	50-200	11/09/21	11/12/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: IY		Batch: 2146023



Tap Rock	Project Name:	Jackson_029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:39:15PM

#### SP5-surf E111080-09

		E111080-09				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
· many c	resur	2	2	Trepared		11000
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2146008
Benzene	ND	0.0250	1	11/08/21	11/12/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/12/21	
Toluene	ND	0.0250	1	11/08/21	11/12/21	
o-Xylene	ND	0.0250	1	11/08/21	11/12/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/12/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/12/21	
Surrogate: 4-Bromochlorobenzene-PID		90.3 %	70-130	11/08/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2146008
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/12/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	11/08/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2146033
Diesel Range Organics (C10-C28)	994	25.0	1	11/09/21	11/11/21	
Oil Range Organics (C28-C36)	647	50.0	1	11/09/21	11/11/21	
Surrogate: n-Nonane		116 %	50-200	11/09/21	11/11/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: IY		Batch: 2146023
Chloride	37300	2000	100	11/08/21	11/11/21	



Tap Rock	Project Name:	Jackson_029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:39:15PM

### SP5-2'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2146008
Benzene	ND	0.0250	1	11/08/21	11/11/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/11/21	
Toluene	ND	0.0250	1	11/08/21	11/11/21	
o-Xylene	ND	0.0250	1	11/08/21	11/11/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/11/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/11/21	
Surrogate: 4-Bromochlorobenzene-PID		91.7 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2146008
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.6 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2146033
Diesel Range Organics (C10-C28)	ND	25.0	1	11/09/21	11/11/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/09/21	11/11/21	
Surrogate: n-Nonane		97.6 %	50-200	11/09/21	11/11/21	
A . 1 EDA 200 0/005CA	mg/kg	mg/kg	Analy	yst: IY		Batch: 2146023
Anions by EPA 300.0/9056A	88	8 8				



Tap Rock	Project Name:	Jackson_029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:39:15PM

### SP6-surf

E111080-11						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2146008
Benzene	ND	0.0250	1	11/08/21	11/11/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/11/21	
Toluene	ND	0.0250	1	11/08/21	11/11/21	
o-Xylene	ND	0.0250	1	11/08/21	11/11/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/11/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/11/21	
Surrogate: 4-Bromochlorobenzene-PID		96.1 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2146008
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.5 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2146033
Diesel Range Organics (C10-C28)	1080	25.0	1	11/09/21	11/11/21	
Oil Range Organics (C28-C36)	700	50.0	1	11/09/21	11/11/21	
Surrogate: n-Nonane		113 %	50-200	11/09/21	11/11/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: IY		Batch: 2146023
Chloride	28500	2000	100	11/08/21	11/12/21	



Tap Rock	Project Name:	Jackson_029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:39:15PM

#### SP6-2'

	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	t: RKS		Batch: 2146008
ND	0.0250	1	11/08/21	11/11/21	
ND	0.0250	1	11/08/21	11/11/21	
ND	0.0250	1	11/08/21	11/11/21	
ND	0.0250	1	11/08/21	11/11/21	
ND	0.0500	1	11/08/21	11/11/21	
ND	0.0250	1	11/08/21	11/11/21	
	92.5 %	70-130	11/08/21	11/11/21	
mg/kg	mg/kg	Analys	t: RKS		Batch: 2146008
ND	20.0	1	11/08/21	11/11/21	
	93.6 %	70-130	11/08/21	11/11/21	
mg/kg	mg/kg	Analys	t: JL		Batch: 2146033
ND	25.0	1	11/09/21	11/11/21	
ND	50.0	1	11/09/21	11/11/21	
	1150	50-200	11/09/21	11/11/21	
	117 %	30-200	11/09/21	11/11/21	
mg/kg	117 % mg/kg	30-200 Analys		11/11/21	Batch: 2146023
	mg/kg  ND	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           mg/kg         mg/kg           mg/kg         mg/kg           mg/kg         mg/kg           ND         25.0           ND         50.0	Result         Limit         Dilution           mg/kg         mg/kg         Analys           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           92.5 %         70-130           mg/kg         mg/kg         Analys           ND         20.0         1           mg/kg         mg/kg         Analys           ND         25.0         1           ND         50.0         1	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         11/08/21           ND         0.0250         1         11/08/21           ND         0.0250         1         11/08/21           ND         0.0250         1         11/08/21           ND         0.0500         1         11/08/21           ND         0.0250         1         11/08/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         11/08/21           mg/kg         mg/kg         Analyst: JL           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         11/09/21           ND         50.0         1         11/09/21	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         11/08/21         11/11/21           ND         0.0500         1         11/08/21         11/11/21           ND         0.0250         1         11/08/21         11/11/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         11/08/21         11/11/21           mg/kg         mg/kg         Analyst: JL         11/11/21           mg/kg         mg/kg         Analyst: JL         ND         25.0         1         11/09/21         11/11/21           ND         25.0         1         11/09/21         11/11/21         11/11/21           ND         50.0         1         11/09/21         11/11/21



Tap Rock	Project Name:	Jackson_029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:39:15PM

#### SP7-surf E111080-13

		E111080-13				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Allaryte	Result	Lillit	Dilution	Терагец	Allalyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2146008
Benzene	ND	0.0250	1	11/08/21	11/11/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/11/21	
Toluene	ND	0.0250	1	11/08/21	11/11/21	
o-Xylene	ND	0.0250	1	11/08/21	11/11/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/11/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/11/21	
Surrogate: 4-Bromochlorobenzene-PID		95.3 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2146008
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.6 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2146033
Diesel Range Organics (C10-C28)	4410	1250	50	11/09/21	11/11/21	
Oil Range Organics (C28-C36)	4080	2500	50	11/09/21	11/11/21	
Surrogate: n-Nonane		105 %	50-200	11/09/21	11/11/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: IY		Batch: 2146023
Chloride	1560	20.0	1	11/08/21	11/11/21	



Tap Rock	Project Name:	Jackson_029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:39:15PM

#### SP7-2'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2146008
Benzene	ND	0.0250	1	11/08/21	11/11/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/11/21	
Toluene	ND	0.0250	1	11/08/21	11/11/21	
o-Xylene	ND	0.0250	1	11/08/21	11/11/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/11/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/11/21	
Surrogate: 4-Bromochlorobenzene-PID		96.9 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2146008
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.6 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2146033
Diesel Range Organics (C10-C28)	ND	25.0	1	11/09/21	11/11/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/09/21	11/11/21	
Surrogate: n-Nonane		98.5 %	50-200	11/09/21	11/11/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2146023



Tap Rock	Project Name:	Jackson_029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:39:15PM

### SP8-surf

		E111080-15				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2146008
Benzene	ND	0.0250	1	11/08/21	11/11/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/11/21	
Toluene	ND	0.0250	1	11/08/21	11/11/21	
o-Xylene	ND	0.0250	1	11/08/21	11/11/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/11/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/11/21	
Surrogate: 4-Bromochlorobenzene-PID		99.1 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2146008
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.0 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2146033
Diesel Range Organics (C10-C28)	980	25.0	1	11/09/21	11/11/21	
Oil Range Organics (C28-C36)	650	50.0	1	11/09/21	11/11/21	
Surrogate: n-Nonane		103 %	50-200	11/09/21	11/11/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2146023
Chloride	12600	400	20	11/08/21	11/11/21	



Tap Rock	Project Name:	Jackson_029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:39:15PM

#### **SP8-2'**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2146008
Benzene	ND	0.0250	1	11/08/21	11/11/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/11/21	
Toluene	ND	0.0250	1	11/08/21	11/11/21	
o-Xylene	ND	0.0250	1	11/08/21	11/11/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/11/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/11/21	
Surrogate: 4-Bromochlorobenzene-PID		97.8 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2146008
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.0 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2146033
Diesel Range Organics (C10-C28)	ND	25.0	1	11/09/21	11/11/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/09/21	11/11/21	
Surrogate: n-Nonane		112 %	50-200	11/09/21	11/11/21	
A L EDA 200 0/005/A	mg/kg	mg/kg	Analy	st: IY		Batch: 2146023
Anions by EPA 300.0/9056A						



Tap Rock	Project Name:	Jackson_029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:39:15PM

### SP9-surf

		E111080-17				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2146008
Benzene	ND	0.0250	1	11/08/21	11/11/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/11/21	
Toluene	ND	0.0250	1	11/08/21	11/11/21	
o-Xylene	ND	0.0250	1	11/08/21	11/11/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/11/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/11/21	
Surrogate: 4-Bromochlorobenzene-PID		92.3 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2146008
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2146033
Diesel Range Organics (C10-C28)	179	25.0	1	11/09/21	11/11/21	
Oil Range Organics (C28-C36)	182	50.0	1	11/09/21	11/11/21	
Surrogate: n-Nonane		110 %	50-200	11/09/21	11/11/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2146023
Chloride	40000	2000	100	11/08/21	11/11/21	



Tap Rock	Project Name:	Jackson_029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:39:15PM

### SP9-2'

		D .:				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2146008
Benzene	ND	0.0250	1	11/08/21	11/11/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/11/21	
Toluene	ND	0.0250	1	11/08/21	11/11/21	
o-Xylene	ND	0.0250	1	11/08/21	11/11/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/11/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/11/21	
Surrogate: 4-Bromochlorobenzene-PID		94.4 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2146008
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2146033
Diesel Range Organics (C10-C28)	ND	25.0	1	11/09/21	11/11/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/09/21	11/11/21	
Surrogate: n-Nonane		115 %	50-200	11/09/21	11/11/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2146023
Chloride	46.9	40.0	2	11/08/21	11/11/21	



Tap Rock	Project Name:	Jackson_029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:39:15PM

### SP10-surf E111080-19

Notes Batch: 2146008
Batch: 2146008
Batch: 2146008
Batch: 2146033
Batch: 2146023



Tap Rock	Project Name:	Jackson_029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:39:15PM

#### SP10-2'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2146008
Benzene	ND	0.0250	1	11/08/21	11/11/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/11/21	
Toluene	ND	0.0250	1	11/08/21	11/11/21	
o-Xylene	ND	0.0250	1	11/08/21	11/11/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/11/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/11/21	
Surrogate: 4-Bromochlorobenzene-PID		95.2 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS	Batch: 2146008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2146033
Diesel Range Organics (C10-C28)	ND	25.0	1	11/09/21	11/11/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/09/21	11/11/21	
Surrogate: n-Nonane		112 %	50-200	11/09/21	11/11/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2146023
Chloride	55.6	20.0	1	11/08/21	11/11/21	



LCS Dup (2146008-BSD1)

Surrogate: 4-Bromochlorobenzene-PID

Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

### **QC Summary Data**

Tap Rock   Project Name:   Jackson_029			
Result	Reported:		
Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg % % % % % % % % % % % % % % % % % % %	11/12/2021 4:39:15PM		
Result   Limit   Level   Result   Rec   Limits   RPD   Limit   mg/kg	Analyst: RKS		
Prepared: 11/08/21			
Benzene	Notes		
Ethylbenzene ND 0.0250 Toluene ND 0.0250 o-Xylene ND 0.0250 p,m-Xylene ND 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.61 8.00 95.1 70-130  LCS (2146008-BS1) Benzene 4.71 0.0250 5.00 94.1 70-130	nalyzed: 11/11/21		
Toluene ND 0.0250 o-Xylene ND 0.0250 p,m-Xylene ND 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.61 8.00 95.1 70-130  LCS (2146008-BS1) Benzene 4.71 0.0250 5.00 94.1 70-130			
o-Xylene ND 0.0250 p,m-Xylene ND 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.61 8.00 95.1 70-130  LCS (2146008-BS1) Prepared: 11/08/21 2.1000 Prepare			
ND   0.0500     ND   0.0500     ND   0.0250     ND   0.0250     ND   0.0250     ND   O.0250     ND   O.0250     ND   O.0250     ND   O.0250     ND   O.0250     O.0250     O.0250     O.0250     O.0250			
Total Xylenes         ND         0.0250           Surrogate: 4-Bromochlorobenzene-PID         7.61         8.00         95.1         70-130           LCS (2146008-BS1)         Prepared: 11/08/21           Benzene         4.71         0.0250         5.00         94.1         70-130			
Surrogate: 4-Bromochlorobenzene-PID 7.61 8.00 95.1 70-130  LCS (2146008-BS1) Prepared: 11/08/21 2.  Benzene 4.71 0.0250 5.00 94.1 70-130			
LCS (2146008-BS1)  Benzene 4.71 0.0250 5.00 94.1 70-130			
Benzene 4.71 0.0250 5.00 94.1 70-130			
- ···-································	nalyzed: 11/11/21		
Ethylbenzene 4.47 0.0250 5.00 89.3 70-130			
Toluene 4.68 0.0250 5.00 93.6 70-130			
o-Xylene 4.57 0.0250 5.00 91.4 70-130			
p,m-Xylene 9.07 0.0500 10.0 90.7 70-130			
Total Xylenes 13.6 0.0250 15.0 90.9 70-130			
Surrogate: 4-Bromochlorobenzene-PID 7.76 8.00 97.0 70-130			

5.00

5.00

5.00

10.0

15.0

92.2

87.2

91.5

89.4

88.6

70-130

70-130

70-130

70-130

70-130

70-130

70-130

2.08

2.34

2.27

2.19

2.38

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

4.36

4.58

4.47

8.86



Prepared: 11/08/21 Analyzed: 11/11/21

20

20

20

20

### **QC Summary Data**

Tap Rock	Project Name:	Jackson_029	Reported:
7 W. Compress Road	Project Number:	20046-0001	-
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:39:15PM

Artesia NM, 88210		Project Manage	r: Na	italie Gladden	1				11/12/2021 4:39:15PM
	Non	halogenated	Organics l	by EPA 801	15D - G	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	t
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2146008-BLK1)							Prepared: 1	1/08/21	Analyzed: 11/11/21
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.43		8.00		92.8	70-130			
LCS (2146008-BS2)							Prepared: 1	1/08/21	Analyzed: 11/11/21
Gasoline Range Organics (C6-C10)	48.2	20.0	50.0		96.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.63		8.00		95.3	70-130			
LCS Dup (2146008-BSD2)							Prepared: 1	1/08/21	Analyzed: 11/11/21
Gasoline Range Organics (C6-C10)	44.5	20.0	50.0		89.0	70-130	7.94	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.1	70-130			



# **QC Summary Data**

Tap Rock	Project Name:	Jackson_029	Reported:
7 W. Compress Road	Project Number:	20046-0001	·
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:39:15PM

Artesia NM, 88210		Project Manager	r: N	atalie Gladden					11/12/2021 4:39:15PM
	Nonha	logenated Or	ganics by	EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2146033-BLK1)							Prepared: 1	1/09/21	Analyzed: 11/11/21
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	58.8		50.0		118	50-200			
LCS (2146033-BS1)							Prepared: 1	1/09/21	Analyzed: 11/11/21
Diesel Range Organics (C10-C28)	535	25.0	500		107	38-132			
Surrogate: n-Nonane	58.3		50.0		117	50-200			
Matrix Spike (2146033-MS1)				Source: 1	E <b>111080-</b> 1	10	Prepared: 1	1/09/21	Analyzed: 11/11/21
Diesel Range Organics (C10-C28)	541	25.0	500	ND	108	38-132			
Surrogate: n-Nonane	49.5		50.0		99.1	50-200			
Matrix Spike Dup (2146033-MSD1)				Source: 1	E <b>111080-</b> 1	10	Prepared: 1	1/09/21	Analyzed: 11/11/21
Diesel Range Organics (C10-C28)	526	25.0	500	ND	105	38-132	2.80	20	
Gurrogate: n-Nonane	48.7		50.0		97.4	50-200			



### **QC Summary Data**

Tap Rock		Project Name:		ickson_029					Reported:	
7 W. Compress Road Artesia NM, 88210		Project Number: Project Manager:		0046-0001 atalie Gladden					11/12/2021 4:39:15P	M
		Anions 1	by EPA 3	300.0/9056A					Analyst: IY	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPE Limi		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2146023-BLK1)							Prepared:	11/08/21	Analyzed: 11/11/21	
Chloride	ND	20.0								
LCS (2146023-BS1)							Prepared:	11/08/21	Analyzed: 11/11/21	
Chloride	247	20.0	250		98.7	90-110				
Matrix Spike (2146023-MS1)				Source: I	E111080-0	1	Prepared:	11/08/21	Analyzed: 11/11/21	
Chloride	15500	400	250	12600	NR	80-120			M5	
Matrix Spike Dup (2146023-MSD1)				Source: I	E111080-0	1	Prepared:	11/08/21	Analyzed: 11/11/21	
Chloride	13500	400	250	12600	351	80-120	14.1	20	M5	

#### QC Summary Report Comment:

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



### **Definitions and Notes**

Γ	Tap Rock	Project Name:	Jackson_029	
l	7 W. Compress Road	Project Number:	20046-0001	Reported:
l	Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/21 16:39

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

accociated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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:	7	apr	rock 4 Ja			-:				Bill To		777			La	ab Us	se Or	ily		N. B			TA	T		EPA I	rogram
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Additional I		s:					20													
(field sampler),	attest to the v	alidity and a	authenticity o	of this sample. I am av	vare that tampering	g with or intentionally mislabelling	he sample locat	tion,			100								y are sampled o	or received
				e grounds for legal act	100.00	Sampled by:	Tanii		8000		pack	ed in ice a	t an avg	temp at		less than 6		equent days	la.	
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	1 10 10 10 10 10 10 10 10 10 10 10 10 10	VICTORIA CARANT N		ous, <b>O</b> - Other			Container					G Tem			2 515					



Printed: 11/9/2021 10:09:32AM

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Rock	Date Received:	11/06/21	14:00	Work Order ID:	E111080
) 390-6397 I	Date Logged In:	11/06/21	17:01	Logged In By:	Alexa Michaels
lie@energystaffingllc.com I	Oue Date:	11/10/21	17:00 (2 day TAT)		
ody (COC)					
nple ID match the COC?		Yes			
nber of samples per sampling site location match	n the COC	Yes			
s dropped off by client or carrier?		Yes	Carrier: F	<u>edEx</u>	
C complete, i.e., signatures, dates/times, requeste	ed analyses?	No			
		Yes		<u>Commen</u>	ts/Resolution
Around Time (TAT)				Due i est less lesses serves	4-4:n4-2
indicate standard TAT, or Expedited TAT?		Yes		•	
<u>.                                    </u>					
		Yes		samples from COC pag	es 1&2 of 4/
ooler received in good condition?		Yes		E111081 have samples	from COC paes
ple(s) received intact, i.e., not broken?		No		=	_
dy/security seals present?		No		•	
custody/security seals intact?		NA			e was not provided
e: Thermal preservation is not required, if samples are rates of sampling	eceived w/i 15	Yes		on the COC	
	imperature: 4°	<u>L</u>			
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orate volume/weight of humber of sample containe	is conected?	108			
comple lebels filled out with the minimum inform	nation				
=	nation.	Yes			
ime Collected?		Yes	L		
ors name?		No			
vation_					
* *	served?	No			
		NA			
ation required and/or requested for dissolved me	tals?	No			
<u>mple Matrix</u>					
mple have more than one phase, i.e., multiphase	?	No			
the COC specify which phase(s) is to be analyze	ed?	NA			
<u>aboratory</u>					
s required to get sent to a subcontract laboratory	?	No			
		NA	Subcontract Lab	: NA	
ontract laboratory specified by the client and if s					
	pody (COC)  Inple ID match the COC? Inber of samples per sampling site location match is dropped off by client or carrier?  C complete, i.e., signatures, dates/times, requester ples received within holding time?  E Analysis, such as pH which should be conducted in the foliance of similar that it is discussion around Time (TAT)  E indicate standard TAT, or Expedited TAT?  Indicate standard TAT, or Expedite	andy (COC)  Inple ID match the COC? Inple Inple ID match the COC. Inple ID match the Communication. ID match the Inple ID match the Inple ID match. Inple ID match the Coc. Inple ID	and y (COC)  Tyes There of samples per sampling site location match the COC Tyes Tyes To complete, i.e., signatures, dates/times, requested analyses? To complete, i.e., signatures, dates/times, requested analyses? To complete, i.e., signatures, dates/times, requested analyses? To minute hold time, are not included in the field, To minute hold time, are not included in this disucssion.  **Toround Time (TAT) To indicate standard TAT, or Expedited TAT?  Tyes The cooler received?  Tyes Tyes Tyes Tyes Tyes Tyes Tyes Tye	poly (COC)  Inple ID match the COC?  Inple ID match the COC specify which phase(s) is to be analyzed?  Inple COC specify which phase(s) is to be analyzed?  Inple COC specify which phase(s) is to be analyzed?  Inple Matrix  Inple M	sidy (COC)  sple ID match the COC?  sple ID match the COC?  sple of Samples per sampling site location match the COC  s dropped off by client or carrier?  Complete, i.e., signatures, dates/times, requested analyses?  Poles received within holding time?  Analysis, such as pH which should be conducted in the field, 5 minute hold time, are not included in this discussion.  Invound Time (TAT)  Condicate standard TAT, or Expedited TAT?  Color received?  Coord cooler received?  Solic cooler received?  Solic cooler received?  Solic cooler received in good condition?  Project has been sepera workorders as follows:  samples from COC pag  Sal4 of 4. Time Samples  Reliquished by signatur  on the COC  Solic themparature.  Actual sample temperature:  Solic sampling  incer  solic cooler temperature.  Actual sample temperature:  Solic samples present?  Incomples collected in VOA Vals?  No analys space less than 6-8 mm (pea sized or less)?  No analyses collected in the correct containers?  Yes  manples albels filled out with the minimum information:  Incomples collected?  Yes  manple labels filled out with the minimum information:  Incomples collected?  Yes  manple labels filled out with the minimum information:  Incomples collected?  Yes  manple soldected?  Yes  Manple sol

Date

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

Report to:

Natalie Gladden







5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

### **Analytical Report**

Tap Rock

Project Name: Jackson\_029

Work Order: E111081

Job Number: 20046-0001

Received: 11/6/2021

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/11/21

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. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 11/11/21

Natalie Gladden 7 W. Compress Road Artesia, NM 88210

Project Name: Jackson\_029

Workorder: E111081

Date Received: 11/6/2021 2:00:00PM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/6/2021 2:00:00PM, under the Project Name: Jackson 029.

The analytical test results summarized in this report with the Project Name: Jackson\_029 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

**Alexa Michaels** 

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

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

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### **Sample Summary**

Tap Rock	Project Name:	Jackson_029	Reported:
7 W. Compress Road	Project Number:	20046-0001	Reporteu:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/11/21 16:31

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP11-surf	E111081-01A	Soil	11/01/21	11/06/21	Glass Jar, 4 oz.
SP11-2'	E111081-02A	Soil	11/02/21	11/06/21	Glass Jar, 4 oz.
SP12-surf	E111081-03A	Soil	11/01/21	11/06/21	Glass Jar, 4 oz.
SP12-2'	E111081-04A	Soil	11/02/21	11/06/21	Glass Jar, 4 oz.
SP13-surf	E111081-05A	Soil	11/01/21	11/06/21	Glass Jar, 4 oz.
SP13-2'	E111081-06A	Soil	11/02/21	11/06/21	Glass Jar, 4 oz.
SP14-surf	E111081-07A	Soil	11/01/21	11/06/21	Glass Jar, 4 oz.
SP14-2'	E111081-08A	Soil	11/02/21	11/06/21	Glass Jar, 4 oz.
SP15-surf	E111081-09A	Soil	11/01/21	11/06/21	Glass Jar, 4 oz.
SP15-2'	E111081-10A	Soil	11/02/21	11/06/21	Glass Jar, 4 oz.
SP16-surf	E111081-11A	Soil	11/01/21	11/06/21	Glass Jar, 4 oz.
SP16-3'	E111081-12A	Soil	11/02/21	11/06/21	Glass Jar, 4 oz.
SP17-surf	E111081-13A	Soil	11/01/21	11/06/21	Glass Jar, 4 oz.
SP17-3'	E111081-14A	Soil	11/02/21	11/06/21	Glass Jar, 4 oz.



Tap Rock	Project Name:	Jackson_029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/11/2021 4:31:48PM

#### SP11-surf E111081-01

		E111081-01				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RKS		Batch: 2146009
Benzene	ND	0.0250	1	11/08/21	11/10/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/10/21	
Toluene	ND	0.0250	1	11/08/21	11/10/21	
o-Xylene	ND	0.0250	1	11/08/21	11/10/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/10/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/10/21	
Surrogate: 4-Bromochlorobenzene-PID		97.5 %	70-130	11/08/21	11/10/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2146009
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/10/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	11/08/21	11/10/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2146032
Diesel Range Organics (C10-C28)	171	25.0	1	11/09/21	11/11/21	
Oil Range Organics (C28-C36)	150	50.0	1	11/09/21	11/11/21	
Surrogate: n-Nonane		116 %	50-200	11/09/21	11/11/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: IY		Batch: 2146025
Chloride	18600	100	5	11/09/21	11/10/21	



Tap Rock	Project Name:	Jackson_029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/11/2021 4:31:48PM

#### SP11-2'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2146009
Benzene	ND	0.0250	1	11/08/21	11/10/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/10/21	
Toluene	ND	0.0250	1	11/08/21	11/10/21	
o-Xylene	ND	0.0250	1	11/08/21	11/10/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/10/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/10/21	
Surrogate: 4-Bromochlorobenzene-PID		96.4 %	70-130	11/08/21	11/10/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2146009
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/10/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	11/08/21	11/10/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2146032
Diesel Range Organics (C10-C28)	ND	25.0	1	11/09/21	11/11/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/09/21	11/11/21	
Surrogate: n-Nonane		119 %	50-200	11/09/21	11/11/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2146025
Chloride	66.0	20.0	1	11/09/21	11/10/21	



Tap Rock	Project Name:	Jackson_029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/11/2021 4:31:48PM

#### SP12-surf E111081-03

		E111001-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2146009
Benzene	ND	0.0250	1	11/08/21	11/10/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/10/21	
Toluene	ND	0.0250	1	11/08/21	11/10/21	
o-Xylene	ND	0.0250	1	11/08/21	11/10/21	
o,m-Xylene	ND	0.0500	1	11/08/21	11/10/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/10/21	
Surrogate: 4-Bromochlorobenzene-PID		92.4 %	70-130	11/08/21	11/10/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2146009
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/10/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	11/08/21	11/10/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2146032
Diesel Range Organics (C10-C28)	6800	500	20	11/09/21	11/11/21	
Oil Range Organics (C28-C36)	4650	1000	20	11/09/21	11/11/21	
Surrogate: n-Nonane		58.5 %	50-200	11/09/21	11/11/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: IY		Batch: 2146025
Chloride	6080	200	10	11/08/21	11/11/21	



Tap Rock	Project Name:	Jackson_029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/11/2021 4:31:48PM

#### SP12-2'

		D 4:				
	D 1	Reporting	D'1 .'	D 1		NI 4
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2146009
Benzene	ND	0.0250	1	11/08/21	11/10/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/10/21	
Toluene	ND	0.0250	1	11/08/21	11/10/21	
o-Xylene	ND	0.0250	1	11/08/21	11/10/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/10/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/10/21	
Surrogate: 4-Bromochlorobenzene-PID		95.6 %	70-130	11/08/21	11/10/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2146009
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/10/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	11/08/21	11/10/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2146032
Diesel Range Organics (C10-C28)	ND	25.0	1	11/09/21	11/11/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/09/21	11/11/21	
Surrogate: n-Nonane		117 %	50-200	11/09/21	11/11/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2146025
Chloride	62.4	20.0	1	11/09/21	11/10/21	



Tap Rock	Project Name:	Jackson_029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/11/2021 4:31:48PM

#### SP13-surf E111081-05

		E111001-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2146009
Benzene	ND	0.0250	1	11/08/21	11/10/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/10/21	
Toluene	ND	0.0250	1	11/08/21	11/10/21	
o-Xylene	ND	0.0250	1	11/08/21	11/10/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/10/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/10/21	
Surrogate: 4-Bromochlorobenzene-PID		92.1 %	70-130	11/08/21	11/10/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2146009
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/10/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	11/08/21	11/10/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2146032
Diesel Range Organics (C10-C28)	4100	125	5	11/09/21	11/11/21	
Oil Range Organics (C28-C36)	2960	250	5	11/09/21	11/11/21	
Surrogate: n-Nonane		136 %	50-200	11/09/21	11/11/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: IY		Batch: 2146025
Chloride	6300	200	10	11/08/21	11/11/21	



Tap Rock	Project Name:	Jackson_029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/11/2021 4:31:48PM

#### SP13-2'

Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	vst: RKS		Batch: 2146009
ND	0.0250	1	11/08/21	11/10/21	
ND	0.0250	1	11/08/21	11/10/21	
ND	0.0250	1	11/08/21	11/10/21	
ND	0.0250	1	11/08/21	11/10/21	
ND	0.0500	1	11/08/21	11/10/21	
ND	0.0250	1	11/08/21	11/10/21	
	94.7 %	70-130	11/08/21	11/10/21	
mg/kg	mg/kg	Analy	st: RKS		Batch: 2146009
ND	20.0	1	11/08/21	11/10/21	
	101 %	70-130	11/08/21	11/10/21	
mg/kg	mg/kg	Analy	vst: JL		Batch: 2146032
ND	25.0	1	11/09/21	11/11/21	
ND	50.0	1	11/09/21	11/11/21	
	117 %	50-200	11/09/21	11/11/21	
mg/kg	mg/kg	Analy	vst: IY		Batch: 2146025
	mg/kg  ND	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           mg/kg         mg/kg           ND         20.0           101 %         mg/kg           ND         25.0           ND         50.0	Result         Limit         Dilution           mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         0.0250         1           MD         20.0250         1           Mg/kg         mg/kg         Analy           ND         20.0         1           Mg/kg         mg/kg         Analy           ND         25.0         1           ND         50.0         1	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         11/08/21           ND         0.0250         1         11/08/21           ND         0.0250         1         11/08/21           ND         0.0250         1         11/08/21           ND         0.0500         1         11/08/21           ND         0.0250         1         11/08/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         11/08/21           mg/kg         mg/kg         Analyst: JL           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         11/09/21           ND         50.0         1         11/09/21	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         11/08/21         11/10/21           ND         0.0250         1         11/08/21         11/10/21           ND         0.0250         1         11/08/21         11/10/21           ND         0.0500         1         11/08/21         11/10/21           ND         0.0250         1         11/08/21         11/10/21           ND         0.0250         1         11/08/21         11/10/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         11/08/21         11/10/21           mg/kg         mg/kg         Analyst: JL         11/10/21           mg/kg         mg/kg         Analyst: JL         ND         25.0         1         11/09/21         11/11/21           ND         25.0         1         11/09/21         11/11/21         11/11/21           ND         50.0         1         11/09/21         11/11/21



Tap Rock	Project Name:	Jackson_029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/11/2021 4:31:48PM

#### SP14-surf E111081-07

		E111081-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2146009
Benzene	ND	0.0250	1	11/08/21	11/10/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/10/21	
Toluene	ND	0.0250	1	11/08/21	11/10/21	
o-Xylene	ND	0.0250	1	11/08/21	11/10/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/10/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/10/21	
Surrogate: 4-Bromochlorobenzene-PID		93.3 %	70-130	11/08/21	11/10/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2146009
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/10/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	11/08/21	11/10/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2146032
Diesel Range Organics (C10-C28)	5760	500	20	11/09/21	11/11/21	
Oil Range Organics (C28-C36)	5320	1000	20	11/09/21	11/11/21	
Surrogate: n-Nonane		142 %	50-200	11/09/21	11/11/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: IY		Batch: 2146025
Chloride	9770	400	20	11/09/21	11/11/21	·



Tap Rock	Project Name:	Jackson_029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/11/2021 4:31:48PM

#### SP14-2'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2146009
Benzene	ND	0.0250	1	11/08/21	11/10/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/10/21	
Toluene	ND	0.0250	1	11/08/21	11/10/21	
o-Xylene	ND	0.0250	1	11/08/21	11/10/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/10/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/10/21	
Surrogate: 4-Bromochlorobenzene-PID		94.0 %	70-130	11/08/21	11/10/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2146009
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/10/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	11/08/21	11/10/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2146032
Diesel Range Organics (C10-C28)	48.4	25.0	1	11/09/21	11/11/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/09/21	11/11/21	
Surrogate: n-Nonane		111 %	50-200	11/09/21	11/11/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: IY		Batch: 2146025
Chloride	67.0	20.0	1	11/09/21	11/10/21	



Tap Rock	Project Name:	Jackson_029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/11/2021 4:31:48PM

#### SP15-surf E111081-09

		E111001-09				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Timiye	resuit	Emm	Bitation	Trepared	7 Hary Zec	110103
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2146009
Benzene	ND	0.0250	1	11/08/21	11/11/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/11/21	
Toluene	ND	0.0250	1	11/08/21	11/11/21	
o-Xylene	ND	0.0250	1	11/08/21	11/11/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/11/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/11/21	
Surrogate: 4-Bromochlorobenzene-PID		90.5 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2146009
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2146032
Diesel Range Organics (C10-C28)	3940	500	20	11/09/21	11/11/21	
Oil Range Organics (C28-C36)	3270	1000	20	11/09/21	11/11/21	
Surrogate: n-Nonane		141 %	50-200	11/09/21	11/11/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: IY		Batch: 2146025
Chloride	6110	200	10	11/08/21	11/11/21	



Tap Rock	Project Name:	Jackson_029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/11/2021 4:31:48PM

#### SP15-2'

Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	st: RKS		Batch: 2146009
ND	0.0250	1	11/08/21	11/11/21	
ND	0.0250	1	11/08/21	11/11/21	
ND	0.0250	1	11/08/21	11/11/21	
ND	0.0250	1	11/08/21	11/11/21	
ND	0.0500	1	11/08/21	11/11/21	
ND	0.0250	1	11/08/21	11/11/21	
	93.3 %	70-130	11/08/21	11/11/21	
mg/kg	mg/kg	Analyst: RKS			Batch: 2146009
ND	20.0	1	11/08/21	11/11/21	
	98.8 %	70-130	11/08/21	11/11/21	
mg/kg	mg/kg	Analys	st: JL		Batch: 2146032
ND	25.0	1	11/09/21	11/11/21	
ND	50.0	1	11/09/21	11/11/21	
	110 %	50-200	11/09/21	11/11/21	
mg/kg	mg/kg	Analys	st: IY		Batch: 2146025
	mg/kg  ND	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           mg/kg         mg/kg           ND         20.0           98.8 %         mg/kg           ND         25.0           ND         50.0	Result         Limit         Dilution           mg/kg         mg/kg         Analys           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           93.3 %         70-130           mg/kg         mg/kg         Analys           ND         20.0         1           mg/kg         mg/kg         Analys           ND         25.0         1           ND         50.0         1	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         11/08/21           ND         0.0250         1         11/08/21           ND         0.0250         1         11/08/21           ND         0.0250         1         11/08/21           ND         0.0500         1         11/08/21           ND         0.0250         1         11/08/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         11/08/21           mg/kg         mg/kg         Analyst: JL           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         11/09/21           ND         50.0         1         11/09/21	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         11/08/21         11/11/21           ND         0.0500         1         11/08/21         11/11/21           ND         0.0250         1         11/08/21         11/11/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         11/08/21         11/11/21           mg/kg         mg/kg         Analyst: JL         11/11/21           mg/kg         mg/kg         Analyst: JL         ND         25.0         1         11/09/21         11/11/21           ND         25.0         1         11/09/21         11/11/21         11/11/21           ND         50.0         1         11/09/21         11/11/21



Tap Rock	Project Name:	Jackson_029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/11/2021 4:31:48PM

#### SP16-surf E111081-11

		E111001-11				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Thatye	resuit	Emm	Ditation	Trepured	7 Hary Zea	rotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2146009
Benzene	ND	0.0250	1	11/08/21	11/11/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/11/21	
Toluene	ND	0.0250	1	11/08/21	11/11/21	
o-Xylene	ND	0.0250	1	11/08/21	11/11/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/11/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/11/21	
Surrogate: 4-Bromochlorobenzene-PID		91.0 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	Batch: 2146009		
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2146032
Diesel Range Organics (C10-C28)	1180	25.0	1	11/09/21	11/11/21	
Oil Range Organics (C28-C36)	795	50.0	1	11/09/21	11/11/21	
Surrogate: n-Nonane		98.0 %	50-200	11/09/21	11/11/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2146025
Chloride	3380	40.0	2	11/08/21	11/11/21	·



Tap Rock	Project Name:	Jackson_029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/11/2021 4:31:48PM

#### SP16-3'

		2111001 12				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Analys	st: RKS		Batch: 2146009
Benzene	ND	0.0250	1	11/08/21	11/11/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/11/21	
Toluene	ND	0.0250	1	11/08/21	11/11/21	
o-Xylene	ND	0.0250	1	11/08/21	11/11/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/11/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/11/21	
Surrogate: 4-Bromochlorobenzene-PID		91.3 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2146009
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2146032
Diesel Range Organics (C10-C28)	26.8	25.0	1	11/09/21	11/11/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/09/21	11/11/21	
Surrogate: n-Nonane		109 %	50-200	11/09/21	11/11/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: IY		Batch: 2146025
Chloride	56.1	20.0	1	11/09/21	11/10/21	



Tap Rock	Project Name:	Jackson_029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/11/2021 4:31:48PM

### SP17-surf E111081-13

	E111001 15				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	st: RKS		Batch: 2146009
ND	0.0250	1	11/08/21	11/11/21	
ND	0.0250	1	11/08/21	11/11/21	
ND	0.0250	1	11/08/21	11/11/21	
ND	0.0250	1	11/08/21	11/11/21	
ND	0.0500	1	11/08/21	11/11/21	
ND	0.0250	1	11/08/21	11/11/21	
	87.0 %	70-130	11/08/21	11/11/21	
mg/kg	mg/kg	Analys	st: RKS		Batch: 2146009
ND	20.0	1	11/08/21	11/11/21	
	101 %	70-130	11/08/21	11/11/21	
mg/kg	mg/kg	Analys	st: JL		Batch: 2146032
12900	1250	50	11/09/21	11/11/21	
7570	2500	50	11/09/21	11/11/21	
	124 %	50-200	11/09/21	11/11/21	
mg/kg	mg/kg	Analys	st: IY		Batch: 2146025
ND	20.0	1	11/09/21	11/10/21	
	mg/kg ND ND ND ND ND ND ND ND The state of t	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           87.0 %         mg/kg           MD         20.0           101 %         mg/kg           mg/kg         mg/kg           12900         1250           7570         2500           124 %         mg/kg           mg/kg         mg/kg	mg/kg         mg/kg         Analys           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           87.0 %         70-130           mg/kg         mg/kg         Analys           ND         20.0         1           101 %         70-130         1           mg/kg         mg/kg         Analys           12900         1250         50           7570         2500         50           mg/kg         mg/kg         Analys	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         11/08/21           ND         0.0250         1         11/08/21           ND         0.0250         1         11/08/21           ND         0.0250         1         11/08/21           ND         0.0500         1         11/08/21           ND         0.0250         1         11/08/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         11/08/21           mg/kg         mg/kg         Analyst: JL           mg/kg         mg/kg         Analyst: JL           12900         1250         50         11/09/21           7570         2500         50         11/09/21           mg/kg         mg/kg         Analyst: IY	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         11/08/21         11/11/21           ND         0.0250         1         11/08/21         11/11/21           ND         0.0250         1         11/08/21         11/11/21           ND         0.0500         1         11/08/21         11/11/21           ND         0.0250         1         11/08/21         11/11/21           ND         0.0250         1         11/08/21         11/11/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         11/08/21         11/11/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         11/08/21         11/11/21           mg/kg         mg/kg         Analyst: JL           12900         1250         50         11/09/21         11/11/21           7570         2500         50         11/09/21         11/11/21           mg/kg         mg/kg         Analyst: IY         11/11/21



Tap Rock	Project Name:	Jackson_029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/11/2021 4:31:48PM

#### SP17-3'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2146009
Benzene	ND	0.0250	1	11/08/21	11/11/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/11/21	
Toluene	ND	0.0250	1	11/08/21	11/11/21	
o-Xylene	ND	0.0250	1	11/08/21	11/11/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/11/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/11/21	
Surrogate: 4-Bromochlorobenzene-PID		91.0 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2146009
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2146032
Diesel Range Organics (C10-C28)	74.4	25.0	1	11/09/21	11/11/21	
Oil Range Organics (C28-C36)	58.8	50.0	1	11/09/21	11/11/21	
Surrogate: n-Nonane		108 %	50-200	11/09/21	11/11/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: IY		Batch: 2146025
· · · · · · · · · · · · · · · · · · ·	ND	20.0		11/08/21	11/11/21	



Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 4-Bromochlorobenzene-PID

LCS Dup (2146009-BSD1)

Benzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Ethylbenzene

### **QC Summary Data**

				J					
Tap Rock 7 W. Compress Road		Project Name: Project Number:		ckson_029 046-0001					Reported:
Artesia NM, 88210		Project Manager:	Na	ntalie Gladder	1			11/1	1/2021 4:31:48PM
		Volatile O	rganics b	y EPA 802	21B			A	Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2146009-BLK1)						I	Prepared: 1	1/08/21 Analy	/zed: 11/11/21
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.11		8.00		88.9	70-130			
LCS (2146009-BS1)						I	Prepared: 1	1/08/21 Analy	zed: 11/11/21
Benzene	4.72	0.0250	5.00		94.4	70-130			
Ethylbenzene	4.69	0.0250	5.00		93.8	70-130			
Toluene	4.94	0.0250	5.00		98.8	70-130			
-Xylene	4.58	0.0250	5.00		91.6	70-130			
o,m-Xylene	9.50	0.0500	10.0		95.0	70-130			
Total Xvlenes	14.1	0.0250	15.0		93.9	70-130			

8.00

5.00

5.00

5.00

10.0

15.0

8.00

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

7.12

4.80

5.03

4.69

9.72

7.02

89.0

96.7

96.0

101

93.8

97.2

96.1

70-130

70-130

70-130

70-130

70-130

70-130

70-130

70-130

2.40 2.40

1.84

2.33

2.32

Prepared: 11/08/21 Analyzed: 11/11/21

20

20

20

20

## **QC Summary Data**

Tap Rock	Project Name:	Jackson_029	Reported:
7 W. Compress Road	Project Number:	20046-0001	-
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/11/2021 4:31:48PM

Artesia NM, 88210		Project Manage	r: Na	italie Gladden	1				11/11/2021 4:31:48PM
	Non	halogenated	Organics l	by EPA 801	15D - G	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2146009-BLK1)							Prepared: 1	1/08/21	Analyzed: 11/11/21
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.04		8.00		101	70-130			
LCS (2146009-BS2)							Prepared: 1	1/08/21	Analyzed: 11/11/21
Gasoline Range Organics (C6-C10)	47.7	20.0	50.0		95.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.19		8.00		102	70-130			
LCS Dup (2146009-BSD2)							Prepared: 1	1/08/21	Analyzed: 11/11/21
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0		96.6	70-130	1.20	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.21		8.00		103	70-130			

## **QC Summary Data**

Tap Rock	Project Name:	Jackson_029	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/11/2021 4:31:48PM

Artesia NM, 88210		Project Manage	r: Na	talie Gladder	1				11/11/2021 4:31:48PM
	Nonha	logenated Or	ganics by l	EPA 8015I	) - 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 Limi %	
Blank (2146032-BLK1)							Prepared:	11/09/21	Analyzed: 11/11/21
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.0		50.0		114	50-200			
LCS (2146032-BS1)							Prepared:	11/09/21	Analyzed: 11/11/21
Diesel Range Organics (C10-C28)	533	25.0	500		107	38-132			
Surrogate: n-Nonane	57.3		50.0		115	50-200			
Matrix Spike (2146032-MS1)				Source:	E111081-0	)9	Prepared:	11/09/21	Analyzed: 11/11/21
Diesel Range Organics (C10-C28)	4720	500	500	3940	156	38-132			M4
Surrogate: n-Nonane	75.0		50.0		150	50-200			
Matrix Spike Dup (2146032-MSD1)				Source:	E111081-0	)9	Prepared:	11/09/21	Analyzed: 11/11/21
Diesel Range Organics (C10-C28)	4740	500	500	3940	160	38-132	0.423	20	M4
Surrogate: n-Nonane	81.0		50.0		162	50-200			



### **QC Summary Data**

Tap Rock 7 W. Compress Road		Project Name: Project Number		ackson_029 0046-0001					Reported:		
Artesia NM, 88210		Project Manager		latalie Gladden	l			1	1/11/2021 4:31:48PM		
Anions by EPA 300.0/9056A									Analyst: IY		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes		
Blank (2146025-BLK1)							Prepared: 1	1/09/21 Ar	nalyzed: 11/10/21		
Chloride	ND	20.0									
LCS (2146025-BS1)							Prepared: 1	1/09/21 Ar	nalyzed: 11/10/21		
Chloride	250	20.0	250		100	90-110					
LCS Dup (2146025-BSD1)							Prepared: 1	1/08/21 Ar	nalyzed: 11/11/21		
Chloride	246	20.0	250		98.3	90-110	1.71	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**

ſ	Tap Rock	Project Name:	Jackson_029	
l	7 W. Compress Road	Project Number:	20046-0001	Reported:
١	Artesia NM, 88210	Project Manager:	Natalie Gladden	11/11/21 16:31

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.



Client: Taprock	Bill To Attention: Ess		Milita	Marine.	Lal	o Us	e Onl	у					TAT		EPA Pr	ogram
Project: Jackson 029		_	Lab	WO#	CI		Job N	lumb	er	-1	1D :	2D 3	D S	tandard	CWA	SDWA
Project Manager:	Address:		EI	110	180		200					X				
Address:	City, State, Zip					_	Analys	is an	d Me	thod						RCRA
City, State, Zip Phone:	Phone:		10												State	
Email: Natalie	Email:		801	801				0		1005				NM CO		TX
Report due by:			O by	yd C	8021	3260	010	300.	200	грн (тсед 1005)				× ×	OT AL	17
Time Sampled Date Sampled Matrix No. of Containers Sample ID		Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010		NM - BGDOC	ТХ - ТРН (					Remarks	
11/1/21 11 5 1 5911-	Snrf	1							X							
11/2/2     SP 11 -	2'	2							1							
11/1/21 SP 12 -	Surf	3														
11/2/21 59 12-	21	4														
11/1/21 SP 13 -	Surf	5							$\perp$							
11/2/21 SP 13-	21	6														ر م د
11/1/21   SP 14-	Surf	7														Page 25
11/2/21   SP 14-		8														<u> Т</u>
11/1/21   SP 15- 11/2/21   SP 15-	Surf	9														
11/2/21   SP 15-	- 2'	10							1							×
Additional Instructions:		(T					- 10.0								_	
I, (field sampler), attest to the validity and authenticity of this sample. I am awa date or time of collection is considered fraud and may be grounds for legal actic	- 10 - 12 12:00 PM TO IN THE PREPARED 15:00 TO THE SECOND PROPERTY (IN THE SECOND FOR MATERIAL	e sample locat	ion,											on ice the day the n subsequent day		or received
Relinquished by: (Signature)  Date		Date - 11.5.2	21	Time	300	)	Recei	ved	on ic	e:	(Y)	b Use V N	Only	# 10		
Relinquished by: (Signature)  Date  Time  11-5-21  16-6	Received by: (Signature)	Date	21	Time	:00		T1				T2			T3		
Reliantial Shed by: (Signature) Date Time	Received by: (Signature)	Date		Time			AVG	Temi	o °C	4						
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		Container	Туре	: g - g	lass, p					mber	glass	s, v - VC	)A			
Note: Samples are discarded 30 days after results are reported unless		mples will be	e retur	ned to	client	or d	isposed							for the analy	sis of the a	bove



Project Information	Chain o	f Custody												P	age <u>4</u>	_of_4
Client: Taprock	Bill To				La	b Us	e On	lv					TA	T	EPA P	rogram
Project: Jackson 029	Attention: ESS		Lab	WO#		gille-	Job I	Numl	ber		1D	2D	3D	Standard	CWA	SDWA
Project Manager:	Address:		FI	WO#	180		20	ILE	0-00	Ic		X				
Address:	City, State, Zip						Analy					-/-				RCRA
City, State, Zip	Phone:															
Phone:	Email:		115	15						05)					State	
Email: Natalie			80	y 80	71	0	ا ۾ ا	0.0	U	Q 10				NM CO	UT AZ	TX
Report due by:		2	8 8	30 b	/ 80	826	601(	e 30	300	(TCE				X		
Time Sampled Date Sampled Matrix No. of Containers Sample ID		Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM - BGDOC	ТХ - ТРН (ТСЕQ 1005)					Remarks	
11/1/21 5 1 SP 11	o-Surf	11							X							
11/2/21 1 1 59 11	, - 31	12							1							
11/1/21   SP 1	7 - Surf	13														
	] - <b>3</b> '	14														
	Ψ.															
Additional Instructions:																
, (field sampler), attest to the validity and authenticity of this sample. I a		he sample locat	ion,											ed on ice the day the C on subsequent day		or received
date or time of collection is considered fraud and may be grounds for legal Relinquished by: (Signature)  Date  Tim		Date		Time			- aeved I		an avg	.c.np at						
11/5/21	300 Jah	11.5.	75	13	300		Rece	ived	on ic	e:	Y		Only			
m lb 11/5/21	1640 Muru	Date 1/ce/2	1	_	S	C	<u>T1</u>				T2			<u>T3</u>		
Reliantished by Signature) Date Tim	Received by: (Signature)	Date		Time			AVG	Tem	p °C	4						
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		Container	Type	· p - p	ass r		-			mhei	r ølass	: v - V	/OA			



Printed: 11/9/2021 10:13:56AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

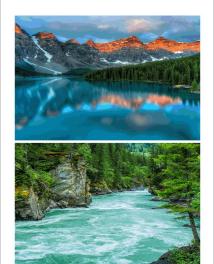
Client:	Tap Rock	Date Received:	11/06/21 14:	00	Work Order ID	E111081
Phone:	(575) 390-6397	Date Logged In:	11/06/21 17:	06	Logged In By:	Alexa Michaels
Email:	natalie@energystaffingllc.com	Due Date:	11/10/21 17:	00 (2 day TAT)		
Cl. C	G + 1 (COC)					
	Custody (COC)		••			
	e sample ID match the COC? e number of samples per sampling site location mat	toh the COC	Yes			
	imples dropped off by client or carrier?	ich the COC	Yes	~		
	e COC complete, i.e., signatures, dates/times, request	stad analysas?	Yes No	Carrier: <u>F</u>	<u>edEx</u>	
	I samples received within holding time?	sted analyses:	Yes			
J. Wele al	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.		ies	ſ	Comme	nts/Resolution
	urn Around Time (TAT)		37		Project has been seper	rated into 2
	COC indicate standard TAT, or Expedited TAT?		Yes		workorders as follows	
Sample C	ample cooler received?		Yes			
	was cooler received in good condition?		Yes		samples from COC pa	-
					E111081 have sample	s from COC paes
	e sample(s) received intact, i.e., not broken?		Yes		3&4 of 4. Time Samp	led, Sample by and
	custody/security seals present?		No		Reliquished by signat	ure was not provided
•	were custody/security seals intact?		NA		on the COC	
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
Sample C	ontainer	_				
_	jueous VOC samples present?		No			
15. Are V	OC samples collected in VOA Vials?		NA			
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA			
17. Was a	trip blank (TB) included for VOC analyses?		NA			
18. Are no	on-VOC samples collected in the correct containers	?	Yes			
19. Is the a	ppropriate volume/weight or number of sample contain	ners collected?	Yes			
Field Lab	<u>el</u>					
	field sample labels filled out with the minimum info	ormation:				
	ample ID?		Yes			
_	ate/Time Collected? ollectors name?		Yes			
	reservation		No			
-	the COC or field labels indicate the samples were price to the samples	reserved?	No			
	mple(s) correctly preserved?	. • • • • • • • • • • • • • • • • • • •	NA			
	filteration required and/or requested for dissolved n	netals?	No			
	se Sample Matrix					
	the sample have more than one phase, i.e., multipha	se?	No			
	does the COC specify which phase(s) is to be analy		NA			
		, 2001	1424			
	act Laboratory  mples required to get sent to a subcontract laborato	en r9	No			
	subcontract laboratory specified by the client and it	•		ubcontract Lab	N A	
		1 30 WHO:	IVA 5	uocomiaci Lao	o. NA	
Chent In	struction					

Date

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

Report to:

Natalie Gladden







5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

### **Analytical Report**

Tap Rock

Project Name: Jackson 029

Work Order: E111082

Job Number: 20046-0001

Received: 11/6/2021

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/12/21

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. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 11/12/21

Natalie Gladden 7 W. Compress Road Artesia, NM 88210

Project Name: Jackson 029

Workorder: E111082

Date Received: 11/6/2021 2:00:00PM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/6/2021 2:00:00PM, under the Project Name: Jackson 029.

The analytical test results summarized in this report with the Project Name: Jackson 029 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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### **Sample Summary**

Tap Rock	Project Name:	Jackson 029	Reported:
7 W. Compress Road	Project Number:	20046-0001	Reporteu.
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/21 16:43

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW1-Surf	E111082-01A	Soil	11/02/21	11/06/21	Glass Jar, 4 oz.
SW1-2'	E111082-02A	Soil	11/02/21	11/06/21	Glass Jar, 4 oz.
SW2	E111082-03A	Soil	11/02/21	11/06/21	Glass Jar, 4 oz.
SW2	E111082-04A	Soil	11/02/21	11/06/21	Glass Jar, 4 oz.
SW3	E111082-05A	Soil	11/02/21	11/06/21	Glass Jar, 4 oz.
SW3	E111082-06A	Soil	11/02/21	11/06/21	Glass Jar, 4 oz.
SW4	E111082-07A	Soil	11/02/21	11/06/21	Glass Jar, 4 oz.
SW4	E111082-08A	Soil	11/02/21	11/06/21	Glass Jar, 4 oz.
SW5	E111082-09A	Soil	11/02/21	11/06/21	Glass Jar, 4 oz.
SW5	E111082-10A	Soil	11/02/21	11/06/21	Glass Jar, 4 oz.
SW6-	E111082-11A	Soil	11/02/21	11/06/21	Glass Jar, 4 oz.
SW6-	E111082-12A	Soil	11/02/21	11/06/21	Glass Jar, 4 oz.
SW7-	E111082-13A	Soil	11/02/21	11/06/21	Glass Jar, 4 oz.
SW7-	E111082-14A	Soil	11/02/21	11/06/21	Glass Jar, 4 oz.
SW8-	E111082-15A	Soil	11/02/21	11/06/21	Glass Jar, 4 oz.
SW8-	E111082-16A	Soil	11/02/21	11/06/21	Glass Jar, 4 oz.
SW9-	E111082-17A	Soil	11/02/21	11/06/21	Glass Jar, 4 oz.
SW9-	E111082-18A	Soil	11/02/21	11/06/21	Glass Jar, 4 oz.
SW10-	E111082-19A	Soil	11/02/21	11/06/21	Glass Jar, 4 oz.
SW10-4'	E111082-20A	Soil	11/02/21	11/06/21	Glass Jar, 4 oz.
SW11-Surf	E111082-21A	Soil	11/03/21	11/06/21	Glass Jar, 4 oz.
SW11-2'	E111082-22A	Soil	11/03/21	11/06/21	Glass Jar, 4 oz.
SW12-Surf	E111082-23A	Soil	11/03/21	11/06/21	Glass Jar, 4 oz.
SW12-2'	E111082-24A	Soil	11/03/21	11/06/21	Glass Jar, 4 oz.

Tap Rock	Project Name:	Jackson 029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:43:23PM

### SW1-Surf E111082-01

		E111002-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2146010
Benzene	ND	0.0250	1	11/08/21	11/11/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/11/21	
Toluene	ND	0.0250	1	11/08/21	11/11/21	
p-Xylene	ND	0.0250	1	11/08/21	11/11/21	
o,m-Xylene	ND	0.0500	1	11/08/21	11/11/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/11/21	
Surrogate: 4-Bromochlorobenzene-PID		93.9 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2146010
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.6 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2146015
Diesel Range Organics (C10-C28)	32.6	25.0	1	11/08/21	11/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/08/21	11/09/21	
Surrogate: n-Nonane		115 %	50-200	11/08/21	11/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2146013
Chloride	83.1	20.0	1	11/08/21	11/09/21	



Tap Rock	Project Name:	Jackson 029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:43:23PM

### SW1-2'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RKS		Batch: 2146010
Benzene	ND	0.0250	1	11/08/21	11/11/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/11/21	
Toluene	ND	0.0250	1	11/08/21	11/11/21	
o-Xylene	ND	0.0250	1	11/08/21	11/11/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/11/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/11/21	
Surrogate: 4-Bromochlorobenzene-PID		92.1 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2146010
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.9 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2146015
Diesel Range Organics (C10-C28)	ND	25.0	1	11/08/21	11/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/08/21	11/09/21	
Surrogate: n-Nonane		110 %	50-200	11/08/21	11/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: IY		Batch: 2146013
Chloride	31.6	20.0	1	11/08/21	11/09/21	



Tap Rock	Project Name:	Jackson 029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:43:23PM

### SW2

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2146010
Benzene	ND	0.0250	1	11/08/21	11/11/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/11/21	
Toluene	ND	0.0250	1	11/08/21	11/11/21	
o-Xylene	ND	0.0250	1	11/08/21	11/11/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/11/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/11/21	
Surrogate: 4-Bromochlorobenzene-PID		90.6 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2146010
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.7 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2146015
Diesel Range Organics (C10-C28)	ND	25.0	1	11/08/21	11/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/08/21	11/09/21	
Surrogate: n-Nonane		110 %	50-200	11/08/21	11/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2146013
Chloride	761	20.0	1	11/08/21	11/09/21	



Tap Rock	Project Name:	Jackson 029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:43:23PM

### SW2

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2146010
Benzene	ND	0.0250	1	11/08/21	11/11/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/11/21	
Toluene	ND	0.0250	1	11/08/21	11/11/21	
o-Xylene	ND	0.0250	1	11/08/21	11/11/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/11/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/11/21	
Surrogate: 4-Bromochlorobenzene-PID		88.8 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2146010
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2146015
Diesel Range Organics (C10-C28)	ND	25.0	1	11/08/21	11/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/08/21	11/09/21	
Surrogate: n-Nonane		110 %	50-200	11/08/21	11/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2146013
Chloride	261	20.0	1	11/08/21	11/09/21	



Tap Rock	Project Name:	Jackson 029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:43:23PM

### SW3

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2146010
Benzene	ND	0.0250	1	11/08/21	11/11/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/11/21	
Toluene	ND	0.0250	1	11/08/21	11/11/21	
o-Xylene	ND	0.0250	1	11/08/21	11/11/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/11/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/11/21	
Surrogate: 4-Bromochlorobenzene-PID		90.0 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2146010
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: JL		Batch: 2146015
Diesel Range Organics (C10-C28)	ND	25.0	1	11/08/21	11/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/08/21	11/09/21	
Surrogate: n-Nonane		112 %	50-200	11/08/21	11/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: IY		Batch: 2146013
· · · · · · · · · · · · · · · · · · ·	353	20.0		11/08/21	11/09/21	



Tap Rock	Project Name:	Jackson 029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:43:23PM

### SW3

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RKS		Batch: 2146010
Benzene	ND	0.0250	1	11/08/21	11/11/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/11/21	
Toluene	ND	0.0250	1	11/08/21	11/11/21	
o-Xylene	ND	0.0250	1	11/08/21	11/11/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/11/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/11/21	
Surrogate: 4-Bromochlorobenzene-PID		92.1 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2146010
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2146015
Diesel Range Organics (C10-C28)	ND	25.0	1	11/08/21	11/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/08/21	11/09/21	
Surrogate: n-Nonane		109 %	50-200	11/08/21	11/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: IY		Batch: 2146013
Chloride	29.2	20.0	1	11/08/21	11/09/21	



Tap Rock	Project Name:	Jackson 029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:43:23PM

### SW4

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2146010
Benzene	ND	0.0250	1	11/08/21	11/11/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/11/21	
Toluene	ND	0.0250	1	11/08/21	11/11/21	
o-Xylene	ND	0.0250	1	11/08/21	11/11/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/11/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/11/21	
Surrogate: 4-Bromochlorobenzene-PID		93.7 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: RKS		Batch: 2146010
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2146015
Diesel Range Organics (C10-C28)	ND	25.0	1	11/08/21	11/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/08/21	11/09/21	
Surrogate: n-Nonane		113 %	50-200	11/08/21	11/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2146013
Chloride	994	20.0	1	11/08/21	11/09/21	



Tap Rock	Project Name:	Jackson 029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:43:23PM

### SW4

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2146010
Benzene	ND	0.0250	1	11/08/21	11/11/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/11/21	
Toluene	ND	0.0250	1	11/08/21	11/11/21	
o-Xylene	ND	0.0250	1	11/08/21	11/11/21	
o,m-Xylene	ND	0.0500	1	11/08/21	11/11/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/11/21	
Surrogate: 4-Bromochlorobenzene-PID		89.4 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2146010
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2146015
Diesel Range Organics (C10-C28)	ND	25.0	1	11/08/21	11/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/08/21	11/09/21	
Surrogate: n-Nonane		113 %	50-200	11/08/21	11/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: IY		Batch: 2146013
Chloride	88.5	20.0	1	11/08/21	11/09/21	



Tap Rock	Project Name:	Jackson 029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:43:23PM

### SW5

		<b></b>				
		Reporting	<b>5</b> 11			
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2146010
Benzene	ND	0.0250	1	11/08/21	11/11/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/11/21	
Toluene	ND	0.0250	1	11/08/21	11/11/21	
o-Xylene	ND	0.0250	1	11/08/21	11/11/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/11/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/11/21	
Surrogate: 4-Bromochlorobenzene-PID		89.4 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2146010
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2146015
Diesel Range Organics (C10-C28)	23400	2500	100	11/08/21	11/10/21	
Oil Range Organics (C28-C36)	1760	50.0	1	11/08/21	11/09/21	
Surrogate: n-Nonane		114 %	50-200	11/08/21	11/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: IY		Batch: 2146013
Chloride	311	20.0		11/08/21	11/09/21	·



Tap Rock	Project Name:	Jackson 029	
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### SW5

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2146010
Benzene	ND	0.0250	1	11/08/21	11/11/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/11/21	
Toluene	ND	0.0250	1	11/08/21	11/11/21	
o-Xylene	ND	0.0250	1	11/08/21	11/11/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/11/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/11/21	
Surrogate: 4-Bromochlorobenzene-PID		90.0 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2146010
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2146015
Diesel Range Organics (C10-C28)	ND	25.0	1	11/08/21	11/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/08/21	11/09/21	
Surrogate: n-Nonane		110 %	50-200	11/08/21	11/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2146013
Chloride	40.0	20.0	1	11/08/21	11/09/21	



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### SW6-

	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: RKS		Batch: 2146010
ND	0.0250	1	11/08/21	11/11/21	
ND	0.0250	1	11/08/21	11/11/21	
ND	0.0250	1	11/08/21	11/11/21	
ND	0.0250	1	11/08/21	11/11/21	
ND	0.0500	1	11/08/21	11/11/21	
ND	0.0250	1	11/08/21	11/11/21	
	91.4 %	70-130	11/08/21	11/11/21	
mg/kg	mg/kg	Analy	st: RKS		Batch: 2146010
ND	20.0	1	11/08/21	11/11/21	
	104 %	70-130	11/08/21	11/11/21	
mg/kg	mg/kg	Analy	st: JL		Batch: 2146015
mg/kg ND	mg/kg 25.0	Analy 1	st: JL 11/08/21	11/09/21	Batch: 2146015
		Analy 1 1		11/09/21 11/09/21	Batch: 2146015
ND	25.0	Analy  1  1  50-200	11/08/21		Batch: 2146015
ND	25.0 50.0	1	11/08/21 11/08/21 11/08/21	11/09/21	Batch: 2146015
	mg/kg  ND	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           91.4 %         mg/kg           ND         20.0	Result         Limit         Dilution           mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         70-130           mg/kg         mg/kg         Analy           ND         20.0         1	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         11/08/21           ND         0.0250         1         11/08/21           ND         0.0250         1         11/08/21           ND         0.0250         1         11/08/21           ND         0.0500         1         11/08/21           ND         0.0250         1         11/08/21           mg/kg         70-130         11/08/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         11/08/21           104 %         70-130         11/08/21	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         11/08/21         11/11/21           ND         0.0500         1         11/08/21         11/11/21           ND         0.0250         1         11/08/21         11/11/21           mg/kg         70-130         11/08/21         11/11/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         11/08/21         11/11/21



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### SW6-

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: RKS		Batch: 2146010
Benzene	ND	0.0250	1	11/08/21	11/11/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/11/21	
Toluene	ND	0.0250	1	11/08/21	11/11/21	
o-Xylene	ND	0.0250	1	11/08/21	11/11/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/11/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/11/21	
Surrogate: 4-Bromochlorobenzene-PID		91.4 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: RKS		Batch: 2146010
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2146015
Diesel Range Organics (C10-C28)	ND	25.0	1	11/08/21	11/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/08/21	11/09/21	
Surrogate: n-Nonane		112 %	50-200	11/08/21	11/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2146013
Chloride	ND	20.0	1	11/08/21	11/09/21	



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### SW7-

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2146010
Benzene	ND	0.0250	1	11/08/21	11/11/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/11/21	
Toluene	ND	0.0250	1	11/08/21	11/11/21	
o-Xylene	ND	0.0250	1	11/08/21	11/11/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/11/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/11/21	
Surrogate: 4-Bromochlorobenzene-PID		88.2 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2146010
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2146015
Diesel Range Organics (C10-C28)	10700	1250	50	11/08/21	11/10/21	
Oil Range Organics (C28-C36)	6270	2500	50	11/08/21	11/10/21	
Surrogate: n-Nonane		131 %	50-200	11/08/21	11/10/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: IY		Batch: 2146013
<del>-</del>	1500	20.0	-	11/08/21	11/09/21	



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### SW7-

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2146010
Benzene	ND	0.0250	1	11/08/21	11/11/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/11/21	
Toluene	ND	0.0250	1	11/08/21	11/11/21	
o-Xylene	ND	0.0250	1	11/08/21	11/11/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/11/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/11/21	
Surrogate: 4-Bromochlorobenzene-PID		91.2 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2146010
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2146015
Diesel Range Organics (C10-C28)	ND	25.0	1	11/08/21	11/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/08/21	11/10/21	
Surrogate: n-Nonane		113 %	50-200	11/08/21	11/10/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2146013
Chloride	30.0	20.0	1	11/08/21	11/09/21	



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### SW8-

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2146010
Benzene	ND	0.0250	1	11/08/21	11/11/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/11/21	
Toluene	ND	0.0250	1	11/08/21	11/11/21	
o-Xylene	ND	0.0250	1	11/08/21	11/11/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/11/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/11/21	
Surrogate: 4-Bromochlorobenzene-PID		92.3 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2146010
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: JL		Batch: 2146015
Diesel Range Organics (C10-C28)	92.2	25.0	1	11/08/21	11/09/21	
Oil Range Organics (C28-C36)	166	50.0	1	11/08/21	11/09/21	
Surrogate: n-Nonane		114 %	50-200	11/08/21	11/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: IY		Batch: 2146013



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### SW8-

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2146010
Benzene	ND	0.0250	1	11/08/21	11/11/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/11/21	
Toluene	ND	0.0250	1	11/08/21	11/11/21	
o-Xylene	ND	0.0250	1	11/08/21	11/11/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/11/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/11/21	
Surrogate: 4-Bromochlorobenzene-PID		93.3 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2146010
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2146015
Diesel Range Organics (C10-C28)	ND	25.0	1	11/08/21	11/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/08/21	11/09/21	
Surrogate: n-Nonane		112 %	50-200	11/08/21	11/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2146013
Chloride	ND	20.0	1	11/08/21	11/09/21	



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### SW9-

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2146010
Benzene	ND	0.0250	1	11/08/21	11/11/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/11/21	
Toluene	ND	0.0250	1	11/08/21	11/11/21	
o-Xylene	ND	0.0250	1	11/08/21	11/11/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/11/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/11/21	
Surrogate: 4-Bromochlorobenzene-PID		93.9 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2146010
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2146015
Diesel Range Organics (C10-C28)	ND	25.0	1	11/08/21	11/10/21	
Oil Range Organics (C28-C36)	62.3	50.0	1	11/08/21	11/10/21	
Surrogate: n-Nonane		112 %	50-200	11/08/21	11/10/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2146013
Chloride	ND	20.0	1	11/08/21	11/09/21	

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### SW9-

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2146010
Benzene	ND	0.0250	1	11/08/21	11/11/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/11/21	
Toluene	ND	0.0250	1	11/08/21	11/11/21	
o-Xylene	ND	0.0250	1	11/08/21	11/11/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/11/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/11/21	
Surrogate: 4-Bromochlorobenzene-PID		95.0 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2146010
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2146015
Diesel Range Organics (C10-C28)	32.9	25.0	1	11/08/21	11/10/21	
Oil Range Organics (C28-C36)	145	50.0	1	11/08/21	11/10/21	
Surrogate: n-Nonane		112 %	50-200	11/08/21	11/10/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2146013
Chloride	ND	20.0	1	11/08/21	11/09/21	•



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### SW10-

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RKS		Batch: 2146010
Benzene	ND	0.0250	1	11/08/21	11/11/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/11/21	
Toluene	ND	0.0250	1	11/08/21	11/11/21	
o-Xylene	ND	0.0250	1	11/08/21	11/11/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/11/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/11/21	
Surrogate: 4-Bromochlorobenzene-PID		93.2 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2146010
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2146015
Diesel Range Organics (C10-C28)	ND	25.0	1	11/08/21	11/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/08/21	11/10/21	
Surrogate: n-Nonane		113 %	50-200	11/08/21	11/10/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: IY		Batch: 2146013
Chloride	58.4	20.0	1	11/08/21	11/09/21	



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### SW10-4'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2146010
Benzene	ND	0.0250	1	11/08/21	11/11/21	_
Ethylbenzene	ND	0.0250	1	11/08/21	11/11/21	
Toluene	ND	0.0250	1	11/08/21	11/11/21	
o-Xylene	ND	0.0250	1	11/08/21	11/11/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/11/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/11/21	
Surrogate: 4-Bromochlorobenzene-PID		92.2 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2146010
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	11/08/21	11/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2146015
Diesel Range Organics (C10-C28)	ND	25.0	1	11/08/21	11/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/08/21	11/10/21	
Surrogate: n-Nonane		113 %	50-200	11/08/21	11/10/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2146013
Chloride	171	20.0	1	11/08/21	11/09/21	



Tap Rock	Project Name:	Jackson 029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:43:23PM

### SW11-Surf

		E111082-21				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2146003
Benzene	ND	0.0250	1	11/08/21	11/10/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/10/21	
Toluene	ND	0.0250	1	11/08/21	11/10/21	
o-Xylene	ND	0.0250	1	11/08/21	11/10/21	
o,m-Xylene	ND	0.0500	1	11/08/21	11/10/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/10/21	
Surrogate: 4-Bromochlorobenzene-PID		98.7 %	70-130	11/08/21	11/10/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2146003
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/10/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.0 %	70-130	11/08/21	11/10/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2146014
Diesel Range Organics (C10-C28)	ND	25.0	1	11/08/21	11/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/08/21	11/09/21	
Surrogate: n-Nonane		116 %	50-200	11/08/21	11/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2146012
Chloride	467	20.0	1	11/08/21	11/09/21	



Tap Rock	Project Name:	Jackson 029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:43:23PM

### SW11-2'

	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: RKS		Batch: 2146003
ND	0.0250	1	11/08/21	11/10/21	
ND	0.0250	1	11/08/21	11/10/21	
ND	0.0250	1	11/08/21	11/10/21	
ND	0.0250	1	11/08/21	11/10/21	
ND	0.0500	1	11/08/21	11/10/21	
ND	0.0250	1	11/08/21	11/10/21	
	97.2 %	70-130	11/08/21	11/10/21	
mg/kg	mg/kg	Analy	st: RKS		Batch: 2146003
ND	20.0	1	11/08/21	11/10/21	
	91.1 %	70-130	11/08/21	11/10/21	
mg/kg	mg/kg	Analy	st: JL		Batch: 2146014
ND	25.0	1	11/08/21	11/09/21	
ND ND	25.0 50.0	1	11/08/21 11/08/21	11/09/21 11/09/21	
		1 1 50-200			
	50.0	1 1 50-200 Analy	11/08/21 11/08/21	11/09/21	Batch: 2146012
	mg/kg ND	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0500           ND         0.0250           MD         97.2 %           mg/kg         mg/kg           ND         20.0           91.1 %	Result         Limit         Dilution           mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         97.2 %         70-130           mg/kg         mg/kg         Analy           ND         20.0         1           91.1 %         70-130	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         11/08/21           ND         0.0250         1         11/08/21           ND         0.0250         1         11/08/21           ND         0.0250         1         11/08/21           ND         0.0500         1         11/08/21           ND         0.0250         1         11/08/21           mg/kg         70-130         11/08/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         11/08/21           91.1 %         70-130         11/08/21	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         11/08/21         11/10/21           ND         0.0250         1         11/08/21         11/10/21           ND         0.0250         1         11/08/21         11/10/21           ND         0.0500         1         11/08/21         11/10/21           ND         0.0250         1         11/08/21         11/10/21           ND         0.0250         1         11/08/21         11/10/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         11/08/21         11/10/21           91.1 %         70-130         11/08/21         11/10/21



Tap Rock	Project Name:	Jackson 029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:43:23PM

### SW12-Surf

		D '				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Kesuit	Lillit	Dilution	Trepared	Analyzeu	rotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2146003
Benzene	ND	0.0250	1	11/08/21	11/10/21	
Ethylbenzene	ND	0.0250	1	11/08/21	11/10/21	
Toluene	ND	0.0250	1	11/08/21	11/10/21	
o-Xylene	ND	0.0250	1	11/08/21	11/10/21	
p,m-Xylene	ND	0.0500	1	11/08/21	11/10/21	
Total Xylenes	ND	0.0250	1	11/08/21	11/10/21	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	11/08/21	11/10/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2146003
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/21	11/10/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.3 %	70-130	11/08/21	11/10/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2146014
Diesel Range Organics (C10-C28)	317	25.0	1	11/08/21	11/09/21	
Oil Range Organics (C28-C36)	329	50.0	1	11/08/21	11/09/21	
Surrogate: n-Nonane		113 %	50-200	11/08/21	11/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2146012
Chloride	644	20.0		11/08/21	11/09/21	



Tap Rock	Project Name:	Jackson 029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:43:23PM

### SW12-2'

Notes  Batch: 2146003
Batch: 2146003
Batch: 2146003
Batch: 2146014
Batch: 2146012



Surrogate: 4-Bromochlorobenzene-PID

		<u> </u>	
Tap Rock	Project Name:	Jackson 029	Reported:
7 W. Compress Road	Project Number:	20046-0001	•
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:43:23PM

Artesia NM, 88210		Project Manager	: Na	atalie Gladden				1	1/12/2021 4:43:23PM			
		Volatile Organics by EPA 8021B							Analyst: RKS			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes			
Blank (2146003-BLK1)							Prepared: 11	1/08/21 An	alyzed: 11/09/21			
Benzene	ND	0.0250										
Ethylbenzene	ND	0.0250										
Toluene	ND	0.0250										
o-Xylene	ND	0.0250										
o,m-Xylene	ND	0.0500										
Total Xylenes	ND	0.0250										
Surrogate: 4-Bromochlorobenzene-PID	7.43		8.00		92.9	70-130						
LCS (2146003-BS1)							Prepared: 11	1/08/21 An	alyzed: 11/09/21			
Benzene	4.90	0.0250	5.00		98.1	70-130						
Ethylbenzene	4.71	0.0250	5.00		94.2	70-130						
Toluene	4.90	0.0250	5.00		98.0	70-130						
o-Xylene	4.78	0.0250	5.00		95.7	70-130						
p,m-Xylene	9.57	0.0500	10.0		95.7	70-130						
Total Xylenes	14.4	0.0250	15.0		95.7	70-130						
Surrogate: 4-Bromochlorobenzene-PID	7.59		8.00		94.9	70-130						
LCS Dup (2146003-BSD1)							Prepared: 11	1/08/21 An	alyzed: 11/09/21			
Benzene	4.91	0.0250	5.00		98.3	70-130	0.245	20				
Ethylbenzene	4.71	0.0250	5.00		94.1	70-130	0.0552	20				
Toluene	4.90	0.0250	5.00		98.1	70-130	0.114	20				
o-Xylene	4.78	0.0250	5.00		95.6	70-130	0.0669	20				
p,m-Xylene	9.56	0.0500	10.0		95.6	70-130	0.0549	20				
Total Xylenes	14.3	0.0250	15.0		95.6	70-130	0.0589	20				



Artesia NM, 88210	Project Manager:  Volatile Orga	Natalie Gladden nics by EPA 8021B	11/12/2021 4:43:23PM  Analyst: RKS
7 W. Compress Road	Project Number:	20046-0001	
Tap Rock	Project Name:	Jackson 029	Reported:

Result   Limit   Level   Result   Rec   Limit   Rec   Limit   Level   Result   Rec   Limit   Rec   Limit		Volatile Organics by EPA 8021B							Analyst: RKS	
Blank (2146010-BLK1)	1	Result		-		Rec	Rec Limits	RPD	RPD Limit	
Benzene	1	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Ethylbenzene	010-BLK1)							Prepared: 1	1/08/21 Ana	alyzed: 11/11/21
Toluene o-Xylene ND 0.0250 o-Xylene ND 0.0250 p.m-Xylene ND 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.26 8.00 90.7 70  LCS (2146010-BS1)  Benzene 4.77 0.0250 5.00 95.4 70 Ethylbenzene 4.51 0.0250 5.00 90.2 70 Toluene 4.62 0.0250 5.00 94.7 70 o-Xylene 9.14 0.0500 10.0 91.4 70 Total Xylenes 13.8 0.0250 15.0 91.7 70 Surrogate: 4-Bromochlorobenzene-PID 7.50 8.00 93.8 70  LCS Dup (2146010-BSD1)  Benzene 4.90 0.0250 5.00 97.9 70 Ethylbenzene 4.67 0.0250 5.00 97.9 70 Toluene 9.14 0.0500 10.0 91.4 70 Total Xylenes 13.8 0.0250 15.0 91.7 70 Total Xylene 9.14 0.0500 10.0 91.4 70 Total Xylenes 13.8 0.0250 15.0 91.7 70 Total Xylenes 13.8 0.0250 15.0 91.7 70 Total Xylenes 13.8 0.0250 5.00 93.8 70 Toluene 4.67 0.0250 5.00 97.9 70 Toluene 4.67 0.0250 5.00 97.3 70 Toluene 4.67 0.0250 5.00 97.3 70 Toluene 4.67 0.0250 5.00 97.3 70 O-Xylene 4.77 0.0250 5.00 97.3 70 O-Xylene 9.47 0.0500 10.0 94.7 70		ND	0.0250							
o-Xylene         ND         0.0250           p,m-Xylene         ND         0.0500           Total Xylenes         ND         0.0250           Surrogate: 4-Bromochlorobenzene-PID         7.26         8.00         90.7         76           LCS (2146010-BS1)           Benzene         4.77         0.0250         5.00         95.4         70           Ethylbenzene         4.51         0.0250         5.00         90.2         70           Toluene         4.74         0.0250         5.00         94.7         70           o-Xylene         4.62         0.0250         5.00         92.4         70           o-Xylene         9.14         0.0500         10.0         91.4         70           Total Xylenes         13.8         0.0250         15.0         91.7         70           Surrogate: 4-Bromochlorobenzene-PID         7.50         8.00         93.8         76           LCS Dup (2146010-BSD1)         Ethylbenzene         4.67         0.0250         5.00         97.9         70           Ethylbenzene         4.67         0.0250         5.00         97.3         70           Toluene         4.87         0.0250		ND	0.0250							
ND   0.0500   ND   0.0250   ND   0.0250   ND   0.0250   ND   ND   0.0250   ND   ND   ND   ND   ND   ND   ND   N		ND	0.0250							
ND		ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID   7.26   8.00   90.7   70		ND	0.0500							
Benzene   4.77   0.0250   5.00   95.4   70		ND	0.0250							
Benzene	mochlorobenzene-PID	7.26		8.00		90.7	70-130			
Ethylbenzene 4.51 0.0250 5.00 90.2 70 Toluene 4.74 0.0250 5.00 94.7 70 o-Xylene 4.62 0.0250 5.00 92.4 70 p.m-Xylene 9.14 0.0500 10.0 91.4 70 Total Xylenes 13.8 0.0250 15.0 91.7 70 Surrogate: 4-Bromochlorobenzene-PID 7.50 8.00 93.8 70  LCS Dup (2146010-BSD1)  Benzene 4.90 0.0250 5.00 97.9 70 Ethylbenzene 4.67 0.0250 5.00 93.4 70 Toluene 4.87 0.0250 5.00 97.3 70 o-Xylene 4.77 0.0250 5.00 95.3 70 p.m-Xylene 9.47 0.0500 10.0 94.7 70	10-BS1)							Prepared: 1	1/08/21 Ana	alyzed: 11/11/21
Toluene 4.74 0.0250 5.00 94.7 70 o-Xylene 4.62 0.0250 5.00 92.4 70 o-Xylene 9.14 0.0500 10.0 91.4 70 Total Xylenes 13.8 0.0250 15.0 91.7 70 Surrogate: 4-Bromochlorobenzene-PID 7.50 8.00 93.8 70 Ethylbenzene 4.67 0.0250 5.00 97.9 70 Toluene 4.87 0.0250 5.00 97.3 70 o-Xylene 4.77 0.0250 5.00 95.3 70 o-Xylene 9.47 0.0500 10.0 94.7 70		4.77	0.0250	5.00		95.4	70-130			
0-Xylene 4.62 0.0250 5.00 92.4 70 p.m-Xylene 9.14 0.0500 10.0 91.4 70 Total Xylenes 13.8 0.0250 15.0 91.7 70 Surrogate: 4-Bromochlorobenzene-PID 7.50 8.00 93.8 70 CLCS Dup (2146010-BSD1)  Benzene 4.90 0.0250 5.00 97.9 70 Ethylbenzene 4.67 0.0250 5.00 93.4 70 Toluene 4.87 0.0250 5.00 97.3 70 p.m-Xylene 9.47 0.0500 10.0 94.7 70		4.51	0.0250	5.00		90.2	70-130			
Park		4.74	0.0250	5.00		94.7	70-130			
Total Xylenes   13.8   0.0250   15.0   91.7   70		4.62	0.0250	5.00		92.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID 7.50 8.00 93.8 70  LCS Dup (2146010-BSD1)  Benzene 4.90 0.0250 5.00 97.9 70  Ethylbenzene 4.67 0.0250 5.00 93.4 70  Toluene 4.87 0.0250 5.00 97.3 70  p-Xylene 4.77 0.0250 5.00 95.3 70  p,m-Xylene 9.47 0.0500 10.0 94.7 70		9.14	0.0500	10.0		91.4	70-130			
LCS Dup (2146010-BSD1)       Benzene     4.90     0.0250     5.00     97.9     70       Ethylbenzene     4.67     0.0250     5.00     93.4     70       Toluene     4.87     0.0250     5.00     97.3     70       o-Xylene     4.77     0.0250     5.00     95.3     70       p,m-Xylene     9.47     0.0500     10.0     94.7     70		13.8	0.0250	15.0		91.7	70-130			
Benzene         4.90         0.0250         5.00         97.9         70           Ethylbenzene         4.67         0.0250         5.00         93.4         70           Toluene         4.87         0.0250         5.00         97.3         70           o-Xylene         4.77         0.0250         5.00         95.3         70           p,m-Xylene         9.47         0.0500         10.0         94.7         70	mochlorobenzene-PID	7.50		8.00		93.8	70-130			
Ethylbenzene     4.67     0.0250     5.00     93.4     70       Toluene     4.87     0.0250     5.00     97.3     70       o-Xylene     4.77     0.0250     5.00     95.3     70       p,m-Xylene     9.47     0.0500     10.0     94.7     70	146010-BSD1)							Prepared: 1	1/08/21 Ana	alyzed: 11/11/21
Toluene 4.87 0.0250 5.00 97.3 70 o-Xylene 4.77 0.0250 5.00 95.3 70 p.m-Xylene 9.47 0.0500 10.0 94.7 70		4.90	0.0250	5.00		97.9	70-130	2.58	20	
0-Xylene 4.77 0.0250 5.00 95.3 70 p,m-Xylene 9.47 0.0500 10.0 94.7 70		4.67	0.0250	5.00		93.4	70-130	3.43	20	
y,m-Xylene 9.47 0.0500 10.0 94.7 70		4.87	0.0250	5.00		97.3	70-130	2.69	20	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		4.77	0.0250	5.00		95.3	70-130	3.13	20	
Total Xylenes 14.2 0.0250 15.0 94.9 70		9.47	0.0500	10.0		94.7	70-130	3.47	20	
		14.2	0.0250	15.0		94.9	70-130	3.36	20	
Surrogate: 4-Bromochlorobenzene-PID 7.63 8.00 95.4 70	mochlorobenzene-PID	7.63		8.00		95.4	70-130			



Tap Rock	Project Name: Jacks	son 029	Reported:
7 W. Compress Road	Project Number: 2004	6-0001	•
Artesia NM, 88210	Project Manager: Nata	lie Gladden	11/12/2021 4:43:23PM

Artesia NM, 88210		Project Manage	r: Na	ntalie Gladden	1			1	1/12/2021 4:43:23PM	
	Non	halogenated	Organics	by EPA 801	15D - G	RO		Analyst: RKS		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes	
Blank (2146003-BLK1)							Prepared: 1	1/08/21 At	nalyzed: 11/09/21	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.8	70-130				
LCS (2146003-BS2)							Prepared: 1	1/08/21 Ar	nalyzed: 11/09/21	
Gasoline Range Organics (C6-C10)	48.7	20.0	50.0		97.5	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.63		8.00		95.4	70-130				
LCS Dup (2146003-BSD2)							Prepared: 1	1/08/21 Ar	nalyzed: 11/09/21	
Gasoline Range Organics (C6-C10)	50.4	20.0	50.0		101	70-130	3.36	20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.86		8.00		98.2	70-130				



Surrogate: 1-Chloro-4-fluorobenzene-FID

# **QC Summary Data**

Tap Rock	Project Name:	Jackson 029	Reported:
7 W. Compress Road	Project Number:	20046-0001	•
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:43:23PM

Artesia NM, 88210		Project Manager	r: Na	ıtalie Gladden	ı			11/1	2/2021 4:43:23PM
	Non	Nonhalogenated Organics by EPA 8015D - GRO							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2146010-BLK1)							Prepared: 1	1/08/21 Analy	vzed: 11/11/21
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.2	70-130			
LCS (2146010-BS2)							Prepared: 1	1/08/21 Analy	zed: 11/11/21
Gasoline Range Organics (C6-C10)	47.3	20.0	50.0		94.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.8	70-130			
LCS Dup (2146010-BSD2)							Prepared: 1	1/08/21 Analy	zed: 11/11/21
Gasoline Range Organics (C6-C10)	48.4	20.0	50.0		96.8	70-130	2.33	20	-

70-130

7.63

Tap Rock	Project Name:	Jackson 029	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:43:23PM

Artesia NM, 88210		Project Manager	r: N	atalie Gladden					11/12/2021 4:43:23PM	
	Nonhalogenated Organics by EPA 8015D - DRO/ORO							Analyst: JL		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2146014-BLK1)							Prepared:	11/08/21	Analyzed: 11/09/21	
Diesel Range Organics (C10-C28)	ND	25.0								
Dil Range Organics (C28-C36)	ND	50.0								
Surrogate: n-Nonane	58.7		50.0		117	50-200				
LCS (2146014-BS1)							Prepared:	11/08/21	Analyzed: 11/09/21	
Diesel Range Organics (C10-C28)	512	25.0	500		102	38-132				
Surrogate: n-Nonane	55.9		50.0		112	50-200				
Matrix Spike (2146014-MS1)				Source: 1	E111073-(	)1	Prepared:	11/08/21	Analyzed: 11/09/21	
Diesel Range Organics (C10-C28)	526	25.0	500	ND	105	38-132				
Surrogate: n-Nonane	56.8		50.0		114	50-200				
Matrix Spike Dup (2146014-MSD1)				Source: 1	E1110 <b>73-</b> (	)1	Prepared:	11/08/21	Analyzed: 11/09/21	
Diesel Range Organics (C10-C28)	520	25.0	500	ND	104	38-132	1.16	20		
Surrogate: n-Nonane	57.7		50.0		115	50-200				



Tap Rock	Project Name:	Jackson 029	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:43:23PM

Artesia NM, 88210		Project Manage	r: N	atalie Gladden					11/12/2021 4:43:23PM	
	Nonhalogenated Organics by EPA 8015D - DRO/ORO							Analyst: JL		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2146015-BLK1)							Prepared:	11/08/21	Analyzed: 11/09/21	
Diesel Range Organics (C10-C28)	ND	25.0								
Oil Range Organics (C28-C36)	ND	50.0								
Surrogate: n-Nonane	59.3		50.0		119	50-200				
LCS (2146015-BS1)							Prepared:	11/08/21	Analyzed: 11/09/21	
Diesel Range Organics (C10-C28)	559	25.0	500		112	38-132				
Surrogate: n-Nonane	55.3		50.0		111	50-200				
Matrix Spike (2146015-MS1)				Source: 1	E <b>111082-</b> 0	)1	Prepared:	11/08/21	Analyzed: 11/09/21	
Diesel Range Organics (C10-C28)	573	25.0	500	32.6	108	38-132				
Surrogate: n-Nonane	56.3		50.0		113	50-200				
Matrix Spike Dup (2146015-MSD1)				Source: 1	E <b>111082-</b> 0	)1	Prepared:	11/08/21	Analyzed: 11/09/21	
Diesel Range Organics (C10-C28)	576	25.0	500	32.6	109	38-132	0.552	20		
Surrogate: n-Nonane	55.3		50.0		111	50-200				



Chloride

# **QC Summary Data**

Tap Rock 7 W. Compress Road	Project Name: Project Number:	Jackson 029 20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/2021 4:43:23PM

Altesia Nivi, 88210		Froject Manage	1. IN	italie Gladdel	1			11	712/2021 4.43.231 WI
		Anions	by EPA 3	00.0/9056A	4				Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2146012-BLK1)							Prepared: 1	1/08/21 Ana	alyzed: 11/09/21
Chloride	ND	20.0							
LCS (2146012-BS1)							Prepared: 1	1/08/21 Ana	llyzed: 11/09/21
Chloride	245	20.0	250		98.1	90-110			
LCS Dup (2146012-BSD1)							Prepared: 1	1/08/21 Ana	llyzed: 11/09/21

250

20.0

97.5

90-110

0.646



### **QC Summary Data**

Tap Rock		Project Name:		ickson 029					Reported:			
7 W. Compress Road Artesia NM, 88210	Project Number: Project Manager:	•						11/12/2021 4:43:23PM				
Alesia IIII, 60210				300.0/9056A					Analyst: IY			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	)			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes			
Blank (2146013-BLK1)							Prepared:	11/08/21	Analyzed: 11/09/21			
Chloride	ND	20.0										
LCS (2146013-BS1)							Prepared:	11/08/21	Analyzed: 11/09/21			
Chloride	243	20.0	250		97.1	90-110						
Matrix Spike (2146013-MS1)				Source:	E111082-0	1	Prepared:	11/08/21	Analyzed: 11/09/21			
Chloride	331	20.0	250	83.1	99.3	80-120						
Matrix Spike Dup (2146013-MSD1)				Source:	E111082-0	1	Prepared:	11/08/21	Analyzed: 11/09/21			
Chloride	332	20.0	250	83.1	99.4	80-120	0.103	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 029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/12/21 16:43

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:	TAPI	vcK_	020				Bill To			TEN S	L	ab U	se Or	nly					TA	T	EPA F	Program
Project:		acksor	020	<u></u>		Attention:	ESS		Lab	WO	‡ ~	_		Num			1D	2D	3D	Standard	CWA	SDWA
Project N						Address:		<u> </u>	EI	110	JR.	_		240				X				
Address:						City, State, Zip							Analy	sis ar	nd M	ethod	4					RCRA
City, Stat	te, Zip					Phone:				N. STANON												
Phone: Email:	Ala.	talic				Email:			3015	8015						(500					State	
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Time	I	Γ	T	T	2500			Lab	8	DRO	by 8	)y 82	s 60	de 3	BGD	H (T				X		
Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				Number	DRO/ORO by 8015	GRO/DRO by	BTEX by	VOC by 8260	Metals 6010	Chloride 300.0	NM - BGDOC	TX - TPH (TCEQ 1005)					Remark	5
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Sample Mat	rix: <b>S</b> - Soil, <b>Sd</b> - S	olid, <b>Sg</b> - Slud	dge, <b>A</b> - Aque	ous, O - Other				Container	Type	: g - g	lass.		275	III. Or you had a	_		r glas	s. v - \	/OA			
Note: Sam	ples are discard	led 30 days	after result	s are reported u	nless o	ther arrangements are r	made. Hazardous sa	mples will be	retur	ned to	clien	t or d	ispose	d of at	the	client	expen	se. T	he ren	ort for the analy	sis of the	bove
samples is	applicable only	to those sa	amples rece	ived by the labor	atory	with this COC. The liabili	ty of the laboratory i	s limited to th	ne am	ount p	aid fo	or on t	he rer	ort.			7.5	-		· · · · · · · · · · · · · · · · · ·		



Client: Taprock Project: Jackson 029							Bill To		909/6		La	b Us	se On	nly					TA	EPA Program		
Project:	. ' :	Jacks	on 02	29		Attention:	ESS		Lab	WO#	101	,	Job	Num	ber	d	1D	2D	3D	Standard	CWA	SDWA
	Manager:					Address:			FI	110	780		200					LX_				
Address						City, State, Zip								Analysis and Me								RCRA
City, Sta	te, Zip					Phone:																
Phone:	1	17		2		Email:		<u> </u>	8015	015						(500					State	
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	11/2/21	S	1	SW	6-			11							*							
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Sample Mar	trix: <b>S</b> - Soil, <b>Sd</b> - So	olid. Se - Slur	ige. A - Anue	ous. <b>O</b> - Other				Container	Type	· g - n	lase r						r alac	c .v	VO^			
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							oility of the laboratory i											136.	ne rep	ortiol the analy	ara or rue a	DOVE



Client: Taprock Project: Jackson 029											La	ab U	se Or	nly					TA	EPA	Program		
Project:	1.	Jack	on o	29			ention:	ESS		Lab	WO#	-6	_	Job	Num	ber		1D	2D	3D	Standard	CWA	SDWA
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City, Sta	te, Zip					Phone:												1					
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Email:		talie				A STATE OF THE STA					by 8	121	09		0.00	၁င	EQ 10					UT A	Z TX
	Report due by:								8	ORO	λ 8(	y 82	9 60	de 3(	3600	5				X			
Sampled Date Sampled Matrix No. of Containers Sample ID				)				Lab Number	DRO/ORO by 8015	GRO/DRO by	BTEX by 802.	VOC by 8260	Metals 6010	Chloride 300.0	NM - BGDOC	ТХ - ТРН (ТСЕД 1005)					Remark	S	
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Relinguished by: (Signature)  Date  Time						Received by: (Si	(nature)	Date		Time			AVG	Tem	n°C		1						
Sample Mat	rix: <b>S</b> - Soil, <b>Sd</b> - So	olid, <b>S</b> g - Sluc	lge, <b>A</b> - Aque	ous, <b>O</b> - Othe	r		L		Container	Type	. p - u	lass					mho	r glac	c 1/ - 1	/OA			re du sitor.
						other a	rrangements are	made. Hazardous	amples will be	retur	ned to	clien	t or d	ispose	d of a	t the	client	exper	se T	he ren	ort for the an	lusis of the	ahove
samples is	applicable only	to those sa	mples rece	ived by the	laboratory	with th	is COC. The liabi	lity of the laboratory	is limited to t	he am	ount n	aid fo	ront	he re	nort	· · · · ·	ciiciit	cybei	136.	ne rep	or the and	iyais or the	above



envirotech Inc.

Printed: 11/9/2021 10:37:55AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Tap Rock	Date Received:	11/06/21	14:00	Work Ord	er ID:	E111082
Phone:	(575) 390-6397	Date Logged In:	11/06/21	17:14	Logged Ir	By:	Alexa Michaels
Email:	natalie@energystaffingllc.com	Due Date:	11/10/21	17:00 (2 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		No				
	ne number of samples per sampling site location man	ch the COC	Yes				
	amples dropped off by client or carrier?	. 1 1 0	Yes	Carrier: <u>F</u>	<u>FedEx</u>		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	No				
5. were a	Il samples received within holding time?  Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.		Yes		<u>Co</u>	mmen	ts/Resolution
Sample T	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes		_ ·	-	by and Reliquished
Sample C	<u>Cooler</u>				by signature was r	ot pr	ovided on the COC.
	sample cooler received?		Yes		Sample ID on CO	C vs.	the physical
•	was cooler received in good condition?		Yes		samples did not fu	lly m	natch as the physical
9. Was th	e sample(s) received intact, i.e., not broken?		Yes		_	-	ed the depth and the
10. Were	custody/security seals present?		No		COC did not.	OVIG	ed the depth and the
11. If yes	were custody/security seals intact?		NA		COC did not.		
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling /isible ice, record the temperature. Actual sample	e received w/i 15	Yes				
Sample C			_				
_	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	trip blank (TB) included for VOC analyses?		NA				
18. Are n	on-VOC samples collected in the correct containers'	?	Yes				
19. Is the	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lab							
	field sample labels filled out with the minimum info	rmation:	**				
	ample ID? ate/Time Collected?		Yes				
_	ollectors name?		Yes No				
Sample P	reservation		110				
21. Does	the COC or field labels indicate the samples were pr	eserved?	No				
22. Are sa	imple(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
<u>Multipha</u>	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	se?	No				
27. If yes	does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	act Laboratory						
	imples required to get sent to a subcontract laborato	ry?	No				
29. Was a	subcontract laboratory specified by the client and it	f so who?	NA	Subcontract Lab	o: NA		
Client Ir	struction						

Date

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

Report to:

Natalie Gladden







5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

### **Analytical Report**

Tap Rock

Project Name: Jackson Unit #29

Work Order: E111114

Job Number: 20046-0001

Received: 11/16/2021

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/19/21

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. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 11/19/21

Natalie Gladden 7 W. Compress Road Artesia, NM 88210

Project Name: Jackson Unit #29

Workorder: E111114

Date Received: 11/16/2021 12:46:00PM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/16/2021 12:46:00PM, under the Project Name: Jackson Unit #29.

The analytical test results summarized in this report with the Project Name: Jackson Unit #29 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

**Alexa Michaels** 

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

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

Rayny Hagan

West Texas Midland/Odessa Area

.

Envirotech Web Address: www.envirotech-inc.com

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#### Sample Summary

Tap Rock	Project Name:	Jackson Unit #29	Reported:
7 W. Compress Road	Project Number:	20046-0001	Reporteu:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/21 12:03

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Comp 1	E111114-01A	Soil	11/12/21	11/16/21	Glass Jar, 4 oz.
Comp 2	E111114-02A	Soil	11/12/21	11/16/21	Glass Jar, 4 oz.
Comp 4	E111114-03A	Soil	11/12/21	11/16/21	Glass Jar, 4 oz.
Comp 5	E111114-04A	Soil	11/12/21	11/16/21	Glass Jar, 4 oz.
Comp 6	E111114-05A	Soil	11/12/21	11/16/21	Glass Jar, 4 oz.
Comp 9	E111114-06A	Soil	11/12/21	11/16/21	Glass Jar, 4 oz.
Comp 10	E111114-07A	Soil	11/12/21	11/16/21	Glass Jar, 4 oz.
Comp 11	E111114-08A	Soil	11/12/21	11/16/21	Glass Jar, 4 oz.
Comp 12	E111114-09A	Soil	11/12/21	11/16/21	Glass Jar, 4 oz.
Comp 14	E111114-10A	Soil	11/12/21	11/16/21	Glass Jar, 4 oz.
Comp 15	E111114-11A	Soil	11/12/21	11/16/21	Glass Jar, 4 oz.
Comp 16	E111114-12A	Soil	11/12/21	11/16/21	Glass Jar, 4 oz.
Comp 17	E111114-13A	Soil	11/12/21	11/16/21	Glass Jar, 4 oz.
Comp 18	E111114-14A	Soil	11/12/21	11/16/21	Glass Jar, 4 oz.
Comp 19	E111114-15A	Soil	11/12/21	11/16/21	Glass Jar, 4 oz.
Comp 20	E111114-16A	Soil	11/12/21	11/16/21	Glass Jar, 4 oz.
Comp 21	E111114-17A	Soil	11/12/21	11/16/21	Glass Jar, 4 oz.
Comp 22	E111114-18A	Soil	11/12/21	11/16/21	Glass Jar, 4 oz.
Comp 23	E111114-19A	Soil	11/12/21	11/16/21	Glass Jar, 4 oz.
Comp 24	E111114-20A	Soil	11/12/21	11/16/21	Glass Jar, 4 oz.
Comp 25	E111114-21A	Soil	11/12/21	11/16/21	Glass Jar, 4 oz.
Comp 3	E111114-22A	Soil	11/12/21	11/16/21	Glass Jar, 4 oz.
Comp 7	E111114-23A	Soil	11/12/21	11/16/21	Glass Jar, 4 oz.
Comp 26	E111114-24A	Soil	11/12/21	11/16/21	Glass Jar, 4 oz.
Comp 31	E111114-25A	Soil	11/12/21	11/16/21	Glass Jar, 4 oz.
Comp 33	E111114-26A	Soil	11/12/21	11/16/21	Glass Jar, 4 oz.
Comp 34	E111114-27A	Soil	11/12/21	11/16/21	Glass Jar, 4 oz.
Comp 35	E111114-28A	Soil	11/12/21	11/16/21	Glass Jar, 4 oz.
Comp 36	E111114-29A	Soil	11/12/21	11/16/21	Glass Jar, 4 oz.
Comp 37	E111114-30A	Soil	11/12/21	11/16/21	Glass Jar, 4 oz.
Comp 38	E111114-31A	Soil	11/12/21	11/16/21	Glass Jar, 4 oz.



Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

#### Comp 1 E111114-01

	E111114-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: IY		Batch: 2147019
ND	0.0250	1	11/17/21	11/18/21	
ND	0.0250	1	11/17/21	11/18/21	
ND	0.0250	1	11/17/21	11/18/21	
ND	0.0250	1	11/17/21	11/18/21	
ND	0.0500	1	11/17/21	11/18/21	
ND	0.0250	1	11/17/21	11/18/21	
	90.8 %	70-130	11/17/21	11/18/21	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2147019
ND	20.0	1	11/17/21	11/18/21	
	105 %	70-130	11/17/21	11/18/21	
mg/kg	mg/kg	Anal	yst: JL		Batch: 2147023
ND	25.0	1	11/17/21	11/17/21	
ND	50.0	1	11/17/21	11/17/21	
	90.5 %	50-200	11/17/21	11/17/21	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2147021
47.8	20.0	1	11/17/21	11/17/21	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result         Reporting Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         20.0250           MB/kg         mg/kg           MB/kg         mg/kg           ND         20.0           MB/kg         mg/kg           ND         50.0           90.5 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           MD         0.0250         1           MD         20.0250         1           Mg/kg         mg/kg         Anal           ND         20.0         1           Mg/kg         mg/kg         Anal           ND         25.0         1           ND         50.0         1           90.5 %         50-200           mg/kg         mg/kg         Anal	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/17/21           ND         0.0250         1         11/17/21           ND         0.0250         1         11/17/21           ND         0.0250         1         11/17/21           ND         0.0500         1         11/17/21           ND         0.0250         1         11/17/21           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         11/17/21           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         11/17/21           ND         50.0         1         11/17/21           ND         50.0         1         11/17/21           ND         50.0         1         11/17/21           ng/kg         mg/kg         Analyst: JL	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/17/21         11/18/21           ND         0.0250         1         11/17/21         11/18/21           ND         0.0250         1         11/17/21         11/18/21           ND         0.0500         1         11/17/21         11/18/21           ND         0.0250         1         11/17/21         11/18/21           ND         0.0250         1         11/17/21         11/18/21           mg/kg         mg/kg         Analyst: IY         II/18/21           ND         20.0         1         11/17/21         11/18/21           mg/kg         mg/kg         Analyst: JL         II/18/21           ND         25.0         1         11/17/21         11/17/21           ND         50.0         1         11/17/21         11/17/21           ND         50.0         1         11/17/21         11/17/21           ND         50.0         1         11/17/21         11/17/21           ng/kg



Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

#### Comp 2 E111114-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2147019
Benzene	ND	0.0250	1	11/17/21	11/18/21	
Ethylbenzene	ND	0.0250	1	11/17/21	11/18/21	
Toluene	ND	0.0250	1	11/17/21	11/18/21	
o-Xylene	ND	0.0250	1	11/17/21	11/18/21	
p,m-Xylene	ND	0.0500	1	11/17/21	11/18/21	
Total Xylenes	ND	0.0250	1	11/17/21	11/18/21	
Surrogate: 4-Bromochlorobenzene-PID		92.1 %	70-130	11/17/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: IY		Batch: 2147019
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/21	11/18/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	11/17/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: JL		Batch: 2147023
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/21	11/17/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/21	11/17/21	
Surrogate: n-Nonane		102 %	50-200	11/17/21	11/17/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2147021
Chloride	59.8	20.0	1	11/17/21	11/17/21	



Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

#### Comp 4 E111114-03

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2147019
Benzene	ND	0.0250	1	11/17/21	11/18/21	
Ethylbenzene	ND	0.0250	1	11/17/21	11/18/21	
Toluene	ND	0.0250	1	11/17/21	11/18/21	
o-Xylene	ND	0.0250	1	11/17/21	11/18/21	
p,m-Xylene	ND	0.0500	1	11/17/21	11/18/21	
Total Xylenes	ND	0.0250	1	11/17/21	11/18/21	
Surrogate: 4-Bromochlorobenzene-PID		92.9 %	70-130	11/17/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2147019
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/21	11/18/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	11/17/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2147023
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/21	11/17/21	
Dieser Range Organies (C10-C28)						
	ND	50.0	1	11/17/21	11/17/21	
Oil Range Organics (C28-C36)	ND	50.0 95.5 %	50-200	11/17/21	11/17/21	
Oil Range Organics (C28-C36)  Surrogate: n-Nonane  Anions by EPA 300.0/9056A	ND mg/kg		50-200 Analys	11/17/21		Batch: 2147021



Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

#### Comp 5 E111114-04

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: IY		Batch: 2147019
Benzene	ND	0.0250	1	11/17/21	11/18/21	
Ethylbenzene	ND	0.0250	1	11/17/21	11/18/21	
Toluene	ND	0.0250	1	11/17/21	11/18/21	
o-Xylene	ND	0.0250	1	11/17/21	11/18/21	
p,m-Xylene	ND	0.0500	1	11/17/21	11/18/21	
Total Xylenes	ND	0.0250	1	11/17/21	11/18/21	
Surrogate: 4-Bromochlorobenzene-PID		93.6 %	70-130	11/17/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: IY		Batch: 2147019
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/21	11/18/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		108 %	70-130	11/17/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: JL		Batch: 2147023
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/21	11/17/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/21	11/17/21	
Surrogate: n-Nonane		103 %	50-200	11/17/21	11/17/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: IY		Batch: 2147021
Chloride	ND	20.0	1	11/17/21	11/17/21	



Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

#### Comp 6 E111114-05

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: IY		Batch: 2147019
Benzene	ND	0.0250	1	11/17/21	11/18/21	
Ethylbenzene	ND	0.0250	1	11/17/21	11/18/21	
Toluene	ND	0.0250	1	11/17/21	11/18/21	
o-Xylene	ND	0.0250	1	11/17/21	11/18/21	
p,m-Xylene	ND	0.0500	1	11/17/21	11/18/21	
Total Xylenes	ND	0.0250	1	11/17/21	11/18/21	
Surrogate: 4-Bromochlorobenzene-PID		93.4 %	70-130	11/17/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	: IY		Batch: 2147019
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/21	11/18/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	11/17/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	: JL		Batch: 2147023
	ND	25.0	1	11/17/21	11/17/21	
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND ND	25.0 50.0	1 1	11/17/21 11/17/21	11/17/21 11/17/21	
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)			1 1 50-200			
Diesel Range Organics (C10-C28)		50.0	1 1 50-200 Analyst	11/17/21	11/17/21	Batch: 2147021



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Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

		E111114-06					
Reporting							
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2147019	
Benzene	ND	0.0250	1	11/17/21	11/18/21		
Ethylbenzene	ND	0.0250	1	11/17/21	11/18/21		
Toluene	ND	0.0250	1	11/17/21	11/18/21		
o-Xylene	ND	0.0250	1	11/17/21	11/18/21		
p,m-Xylene	ND	0.0500	1	11/17/21	11/18/21		
Total Xylenes	ND	0.0250	1	11/17/21	11/18/21		
Surrogate: 4-Bromochlorobenzene-PID		94.2 %	70-130	11/17/21	11/18/21		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2147019	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/21	11/18/21		
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	11/17/21	11/18/21		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2147023	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/21	11/17/21		
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/21	11/17/21		
Surrogate: n-Nonane		101 %	50-200	11/17/21	11/17/21		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: IY		Batch: 2147021	
Chloride	72.3	20.0	1	11/17/21	11/17/21		



Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

#### Comp 10 E111114-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2147019
Benzene	ND	0.0250	1	11/17/21	11/18/21	
Ethylbenzene	ND	0.0250	1	11/17/21	11/18/21	
Toluene	ND	0.0250	1	11/17/21	11/18/21	
o-Xylene	ND	0.0250	1	11/17/21	11/18/21	
p,m-Xylene	ND	0.0500	1	11/17/21	11/18/21	
Total Xylenes	ND	0.0250	1	11/17/21	11/18/21	
Surrogate: 4-Bromochlorobenzene-PID		93.7 %	70-130	11/17/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2147019
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/21	11/18/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	11/17/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2147023
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/21	11/17/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/21	11/17/21	
Surrogate: n-Nonane		90.8 %	50-200	11/17/21	11/17/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2147021
Chloride	20.5	20.0	1	11/17/21	11/17/21	



Tap Rock	Project Name:	Jackson Unit #29	
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Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

#### Comp 11 E111114-08

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2147019
Benzene	ND	0.0250	1	11/17/21	11/18/21	
Ethylbenzene	ND	0.0250	1	11/17/21	11/18/21	
Toluene	ND	0.0250	1	11/17/21	11/18/21	
o-Xylene	ND	0.0250	1	11/17/21	11/18/21	
p,m-Xylene	ND	0.0500	1	11/17/21	11/18/21	
Total Xylenes	ND	0.0250	1	11/17/21	11/18/21	
Surrogate: 4-Bromochlorobenzene-PID		92.7 %	70-130	11/17/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2147019
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/21	11/18/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.3 %	70-130	11/17/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2147023
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/21	11/17/21	
Oil Range Organics (C28-C36)	ND	50.0	<u>I</u>	11/17/21	11/17/21	
Oil Range Organics (C28-C36)	ND	108 %	50-200	11/17/21	11/17/21	
	ND mg/kg		50-200 Analys	11/17/21		Batch: 2147021



Tap Rock	Project Name:	Jackson Unit #29	
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Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

#### Comp 12 E111114-09

	E111114-07				
Result	Reporting Limit		n Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2147019
ND	0.0250	1	11/17/21	11/18/21	
ND	0.0250	1	11/17/21	11/18/21	
ND	0.0250	1	11/17/21	11/18/21	
ND	0.0250	1	11/17/21	11/18/21	
ND	0.0500	1	11/17/21	11/18/21	
ND	0.0250	1	11/17/21	11/18/21	
	94.4 %	70-130	11/17/21	11/18/21	
mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2147019
ND	20.0	1	11/17/21	11/18/21	
	107 %	70-130	11/17/21	11/18/21	
mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2147023
ND	25.0	1	11/17/21	11/18/21	
ND	50.0	1	11/17/21	11/18/21	
	93.3 %	50-200	11/17/21	11/18/21	
mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2147021
106	20.0	1	11/17/21	11/17/21	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result         Reporting           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           94.4 %           mg/kg         mg/kg           ND         20.0           107 %         mg/kg           MD         25.0           ND         50.0           93.3 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Ana           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         0.0250         1           94.4 %         70-130         70-130           mg/kg         mg/kg         Ana           ND         20.0         1           107 %         70-130         70-130           mg/kg         mg/kg         Ana           ND         25.0         1           ND         50.0         1           93.3 %         50-200           mg/kg         Mg/kg         Ana	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/17/21           ND         0.0250         1         11/17/21           ND         0.0250         1         11/17/21           ND         0.0500         1         11/17/21           ND         0.0250         1         11/17/21           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         11/17/21           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         11/17/21           ND         25.0         1         11/17/21           ND         50.0         1         11/17/21           ND         50.0         1         11/17/21           mg/kg         Mg/kg         Analyst: JL	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/17/21         11/18/21           ND         0.0250         1         11/17/21         11/18/21           ND         0.0250         1         11/17/21         11/18/21           ND         0.0500         1         11/17/21         11/18/21           ND         0.0250         1         11/17/21         11/18/21           MD         0.0250         1         11/17/21         11/18/21           mg/kg         mg/kg         Analyst: IY         II/18/21           MD         20.0         1         11/17/21         11/18/21           mg/kg         mg/kg         Analyst: JL         II/18/21           ND         25.0         1         11/17/21         11/18/21           ND         50.0         1         11/17/21         11/18/21           ND         50.0         1         11/17/21         11/18/21           Mg/kg         mg/kg         Analyst: IY         II/18/21



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Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

#### Comp 14 E111114-10

		E111114-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Tillalyee	resur	Emit	Direction	Trepared	7 mary zea	110103
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2147019
Benzene	ND	0.0250	1	11/17/21	11/18/21	
Ethylbenzene	ND	0.0250	1	11/17/21	11/18/21	
Toluene	ND	0.0250	1	11/17/21	11/18/21	
o-Xylene	ND	0.0250	1	11/17/21	11/18/21	
p,m-Xylene	ND	0.0500	1	11/17/21	11/18/21	
Total Xylenes	ND	0.0250	1	11/17/21	11/18/21	
Surrogate: 4-Bromochlorobenzene-PID		91.5 %	70-130	11/17/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2147019
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/21	11/18/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.4 %	70-130	11/17/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2147023
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/21	11/18/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/21	11/18/21	
Surrogate: n-Nonane		103 %	50-200	11/17/21	11/18/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2147021
Chloride	ND	20.0	1	11/17/21	11/17/21	



Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

#### Comp 15 E111114-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2147019
Benzene	ND	0.0250	1	11/17/21	11/18/21	
Ethylbenzene	ND	0.0250	1	11/17/21	11/18/21	
Toluene	ND	0.0250	1	11/17/21	11/18/21	
o-Xylene	ND	0.0250	1	11/17/21	11/18/21	
p,m-Xylene	ND	0.0500	1	11/17/21	11/18/21	
Total Xylenes	ND	0.0250	1	11/17/21	11/18/21	
Surrogate: 4-Bromochlorobenzene-PID		90.9 %	70-130	11/17/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2147019
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/21	11/18/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.8 %	70-130	11/17/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2147023
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/21	11/18/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/21	11/18/21	
Surrogate: n-Nonane		99.2 %	50-200	11/17/21	11/18/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2147021
Chloride	89.6	20.0	1	11/17/21	11/17/21	



Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

#### Comp 16 E111114-12

	E111114-12				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: IY		Batch: 2147019
ND	0.0250	1	11/17/21	11/18/21	
ND	0.0250	1	11/17/21	11/18/21	
ND	0.0250	1	11/17/21	11/18/21	
ND	0.0250	1	11/17/21	11/18/21	
ND	0.0500	1	11/17/21	11/18/21	
ND	0.0250	1	11/17/21	11/18/21	
	91.1 %	70-130	11/17/21	11/18/21	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2147019
ND	20.0	1	11/17/21	11/18/21	
	96.1 %	70-130	11/17/21	11/18/21	
mg/kg	mg/kg	Anal	yst: JL		Batch: 2147023
ND	25.0	1	11/17/21	11/18/21	
ND	50.0	1	11/17/21	11/18/21	
	96.3 %	50-200	11/17/21	11/18/21	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2147021
32.8	20.0	1	11/17/21	11/17/21	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result         Reporting           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           91.1 %         mg/kg           mg/kg         mg/kg           ND         20.0           96.1 %         mg/kg           ND         25.0           ND         50.0           96.3 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           91.1 %         70-130           mg/kg         mg/kg         Anal           ND         20.0         1           96.1 %         70-130           mg/kg         mg/kg         Anal           ND         25.0         1           ND         50.0         1           96.3 %         50-200           mg/kg         mg/kg         Anal	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/17/21           ND         0.0250         1         11/17/21           ND         0.0250         1         11/17/21           ND         0.0500         1         11/17/21           ND         0.0250         1         11/17/21           mg/kg         mg/kg         Analyst: IY           MD         20.0         1         11/17/21           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         11/17/21           ND         25.0         1         11/17/21           ND         50.0         1         11/17/21           ND         50.0         1         11/17/21           ND         50.0         1         11/17/21           mg/kg         mg/kg         Analyst: JL	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/17/21         11/18/21           ND         0.0250         1         11/17/21         11/18/21           ND         0.0250         1         11/17/21         11/18/21           ND         0.0500         1         11/17/21         11/18/21           ND         0.0250         1         11/17/21         11/18/21           MD         0.0250         1         11/17/21         11/18/21           mg/kg         mg/kg         Analyst: IY         II/18/21           MD         20.0         1         11/17/21         11/18/21           mg/kg         mg/kg         Analyst: JL         II/18/21           ND         25.0         1         11/17/21         11/18/21           ND         50.0         1         11/17/21         11/18/21           ND         50.0         1         11/17/21         11/18/21           Mg/kg         mg/kg         Analyst: IY         II/18/21



Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

#### Comp 17 E111114-13

	EIIIII I				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	lyst: IY		Batch: 2147019
ND	0.0250	1	11/17/21	11/18/21	
ND	0.0250	1	11/17/21	11/18/21	
ND	0.0250	1	11/17/21	11/18/21	
ND	0.0250	1	11/17/21	11/18/21	
ND	0.0500	1	11/17/21	11/18/21	
ND	0.0250	1	11/17/21	11/18/21	
	91.1 %	70-130	11/17/21	11/18/21	
mg/kg	mg/kg	Anal	lyst: IY		Batch: 2147019
ND	20.0	1	11/17/21	11/18/21	
	96.8 %	70-130	11/17/21	11/18/21	
mg/kg	mg/kg	Anal	lyst: JL		Batch: 2147023
ND	25.0	1	11/17/21	11/18/21	
ND	50.0	1	11/17/21	11/18/21	
	100 %	50-200	11/17/21	11/18/21	
mg/kg	mg/kg	Anal	lyst: IY		Batch: 2147021
44.6	20.0	1	11/17/21	11/17/21	
	mg/kg ND Mg/kg ND mg/kg	Result         Reporting           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0500           ND         0.0250           91.1 %         mg/kg           mg/kg         mg/kg           ND         20.0           96.8 %         mg/kg           ND         25.0           ND         50.0           100 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         0.0250         1           91.1 %         70-130           mg/kg         mg/kg         Anal           ND         20.0         1           96.8 %         70-130         1           mg/kg         mg/kg         Anal           ND         25.0         1           ND         50.0         1           100 %         50-200           mg/kg         Mg/kg         Anal	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/17/21           ND         0.0250         1         11/17/21           ND         0.0250         1         11/17/21           ND         0.0500         1         11/17/21           ND         0.0250         1         11/17/21           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         11/17/21           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         11/17/21           ND         25.0         1         11/17/21           ND         50.0         1         11/17/21           ND         50.0         1         11/17/21           ND         50.0         1         11/17/21           mg/kg         mg/kg         Analyst: JL	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/17/21         11/18/21           ND         0.0250         1         11/17/21         11/18/21           ND         0.0250         1         11/17/21         11/18/21           ND         0.0500         1         11/17/21         11/18/21           ND         0.0250         1         11/17/21         11/18/21           MD         0.0250         1         11/17/21         11/18/21           mg/kg         mg/kg         Analyst: IY         III/18/21           ND         20.0         1         11/17/21         11/18/21           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         11/17/21         11/18/21           ND         50.0         1         11/17/21         11/18/21           ND         50.0         1         11/17/21         11/18/21           Mg/kg         Mg/kg         Analyst: IY         II/18/21



Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

		E111114-14					
Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2147019	
Benzene	ND	0.0250	1	11/17/21	11/18/21		
Ethylbenzene	ND	0.0250	1	11/17/21	11/18/21		
Toluene	ND	0.0250	1	11/17/21	11/18/21		
o-Xylene	ND	0.0250	1	11/17/21	11/18/21		
p,m-Xylene	ND	0.0500	1	11/17/21	11/18/21		
Total Xylenes	ND	0.0250	1	11/17/21	11/18/21		
Surrogate: 4-Bromochlorobenzene-PID		91.5 %	70-130	11/17/21	11/18/21		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2147019	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/21	11/18/21		
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.7 %	70-130	11/17/21	11/18/21		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2147023	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/21	11/18/21		
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/21	11/18/21		
Surrogate: n-Nonane		98.1 %	50-200	11/17/21	11/18/21		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2147021	
Chloride	35.9	20.0	1	11/17/21	11/17/21		



Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

		E111114-15					
Reporting							
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2147019	
Benzene	ND	0.0250	1	11/17/21	11/18/21		
Ethylbenzene	ND	0.0250	1	11/17/21	11/18/21		
Toluene	ND	0.0250	1	11/17/21	11/18/21		
o-Xylene	ND	0.0250	1	11/17/21	11/18/21		
p,m-Xylene	ND	0.0500	1	11/17/21	11/18/21		
Total Xylenes	ND	0.0250	1	11/17/21	11/18/21		
Surrogate: 4-Bromochlorobenzene-PID		91.1 %	70-130	11/17/21	11/18/21		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2147019	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/21	11/18/21		
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.8 %	70-130	11/17/21	11/18/21		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2147023	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/21	11/18/21		
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/21	11/18/21		
Surrogate: n-Nonane		104 %	50-200	11/17/21	11/18/21		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2147021	
Chloride	53.2	20.0	1	11/17/21	11/17/21		



Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

E111114-16						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2147019
Benzene	ND	0.0250	1	11/17/21	11/18/21	
Ethylbenzene	ND	0.0250	1	11/17/21	11/18/21	
Toluene	ND	0.0250	1	11/17/21	11/18/21	
o-Xylene	ND	0.0250	1	11/17/21	11/18/21	
p,m-Xylene	ND	0.0500	1	11/17/21	11/18/21	
Total Xylenes	ND	0.0250	1	11/17/21	11/18/21	
Surrogate: 4-Bromochlorobenzene-PID		91.4 %	70-130	11/17/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2147019
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/21	11/18/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.5 %	70-130	11/17/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2147023
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/21	11/18/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/21	11/18/21	
Surrogate: n-Nonane		99.4 %	50-200	11/17/21	11/18/21	<u> </u>
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2147021
Chloride	39.6	20.0	1	11/17/21	11/17/21	



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7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

#### Comp 21 E111114-17

		E111117-17				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2147019
Benzene	ND	0.0250	1	11/17/21	11/18/21	
Ethylbenzene	ND	0.0250	1	11/17/21	11/18/21	
Toluene	ND	0.0250	1	11/17/21	11/18/21	
o-Xylene	ND	0.0250	1	11/17/21	11/18/21	
p,m-Xylene	ND	0.0500	1	11/17/21	11/18/21	
Total Xylenes	ND	0.0250	1	11/17/21	11/18/21	
Surrogate: 4-Bromochlorobenzene-PID		91.6 %	70-130	11/17/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2147019
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/21	11/18/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.8 %	70-130	11/17/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: JL		Batch: 2147023
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/21	11/18/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/21	11/18/21	
Surrogate: n-Nonane		99.3 %	50-200	11/17/21	11/18/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: IY		Batch: 2147021
Chloride	ND	20.0	1	11/17/21	11/17/21	



Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

E111114-18						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2147019
Benzene	ND	0.0250	1	11/17/21	11/18/21	
Ethylbenzene	ND	0.0250	1	11/17/21	11/18/21	
Toluene	ND	0.0250	1	11/17/21	11/18/21	
o-Xylene	ND	0.0250	1	11/17/21	11/18/21	
o,m-Xylene	ND	0.0500	1	11/17/21	11/18/21	
Total Xylenes	ND	0.0250	1	11/17/21	11/18/21	
Surrogate: 4-Bromochlorobenzene-PID		91.9 %	70-130	11/17/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2147019
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/21	11/18/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.8 %	70-130	11/17/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2147023
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/21	11/18/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/21	11/18/21	
Surrogate: n-Nonane		94.2 %	50-200	11/17/21	11/18/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2147021
Chloride	43.1	20.0	1	11/17/21	11/17/21	



Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

#### Comp 23 E111114-19

Notes Batch: 2147019
Batch: 2147019
Batch: 2147019
Batch: 2147023
Batch: 2147021



Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

#### Comp 24 E111114-20

		E111117-20				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2147019
Benzene	ND	0.0250	1	11/17/21	11/18/21	
Ethylbenzene	ND	0.0250	1	11/17/21	11/18/21	
Toluene	ND	0.0250	1	11/17/21	11/18/21	
o-Xylene	ND	0.0250	1	11/17/21	11/18/21	
p,m-Xylene	ND	0.0500	1	11/17/21	11/18/21	
Total Xylenes	ND	0.0250	1	11/17/21	11/18/21	
Surrogate: 4-Bromochlorobenzene-PID		92.4 %	70-130	11/17/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2147019
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/21	11/18/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.9 %	70-130	11/17/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2147023
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/21	11/18/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/21	11/18/21	
Surrogate: n-Nonane		102 %	50-200	11/17/21	11/18/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2147021
Chloride	123	20.0	1	11/17/21	11/17/21	



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7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

#### Comp 25 E111114-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2147020
Benzene	ND	0.0250	1	11/17/21	11/17/21	
Ethylbenzene	ND	0.0250	1	11/17/21	11/17/21	
Toluene	ND	0.0250	1	11/17/21	11/17/21	
o-Xylene	ND	0.0250	1	11/17/21	11/17/21	
p,m-Xylene	ND	0.0500	1	11/17/21	11/17/21	
Total Xylenes	ND	0.0250	1	11/17/21	11/17/21	
Surrogate: 4-Bromochlorobenzene-PID		95.1 %	70-130	11/17/21	11/17/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2147020
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/21	11/17/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.6 %	70-130	11/17/21	11/17/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2147024
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/21	11/17/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/21	11/17/21	
Surrogate: n-Nonane		106 %	50-200	11/17/21	11/17/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2147022
Chloride	46.7	20.0	1	11/17/21	11/17/21	



Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

#### Comp 3 E111114-22

		2111117 22				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2147020
Benzene	ND	0.0250	1	11/17/21	11/17/21	
Ethylbenzene	ND	0.0250	1	11/17/21	11/17/21	
Toluene	ND	0.0250	1	11/17/21	11/17/21	
o-Xylene	ND	0.0250	1	11/17/21	11/17/21	
p,m-Xylene	ND	0.0500	1	11/17/21	11/17/21	
Total Xylenes	ND	0.0250	1	11/17/21	11/17/21	
Surrogate: 4-Bromochlorobenzene-PID		92.7 %	70-130	11/17/21	11/17/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2147020
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/21	11/17/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	11/17/21	11/17/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2147024
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/21	11/17/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/21	11/17/21	
Surrogate: n-Nonane		107 %	50-200	11/17/21	11/17/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2147022
Chloride	39.2	20.0	1	11/17/21	11/17/21	



Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

#### Comp 7 E111114-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2147020
Benzene	ND	0.0250	1	11/17/21	11/17/21	
Ethylbenzene	ND	0.0250	1	11/17/21	11/17/21	
Toluene	ND	0.0250	1	11/17/21	11/17/21	
o-Xylene	ND	0.0250	1	11/17/21	11/17/21	
p,m-Xylene	ND	0.0500	1	11/17/21	11/17/21	
Total Xylenes	ND	0.0250	1	11/17/21	11/17/21	
Surrogate: 4-Bromochlorobenzene-PID		99.6 %	70-130	11/17/21	11/17/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2147020
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/21	11/17/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.2 %	70-130	11/17/21	11/17/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2147024
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/21	11/17/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/21	11/17/21	
Surrogate: n-Nonane		103 %	50-200	11/17/21	11/17/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2147022
Chloride	439	20.0	1	11/17/21	11/17/21	



Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

E111114-24							
Reporting							
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2147020	
Benzene	ND	0.0250	1	11/17/21	11/17/21		
Ethylbenzene	ND	0.0250	1	11/17/21	11/17/21		
Toluene	ND	0.0250	1	11/17/21	11/17/21		
o-Xylene	ND	0.0250	1	11/17/21	11/17/21		
p,m-Xylene	ND	0.0500	1	11/17/21	11/17/21		
Total Xylenes	ND	0.0250	1	11/17/21	11/17/21		
Surrogate: 4-Bromochlorobenzene-PID		98.4 %	70-130	11/17/21	11/17/21		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2147020	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/21	11/17/21		
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %	70-130	11/17/21	11/17/21		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2147024	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/21	11/17/21		
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/21	11/17/21		
Surrogate: n-Nonane		98.5 %	50-200	11/17/21	11/17/21		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2147022	
Chloride	ND	20.0	1	11/17/21	11/17/21		



Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

#### Comp 31 E111114-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2147020
Benzene	ND	0.0250	1	11/17/21	11/17/21	
Ethylbenzene	ND	0.0250	1	11/17/21	11/17/21	
Toluene	ND	0.0250	1	11/17/21	11/17/21	
o-Xylene	ND	0.0250	1	11/17/21	11/17/21	
p,m-Xylene	ND	0.0500	1	11/17/21	11/17/21	
Total Xylenes	ND	0.0250	1	11/17/21	11/17/21	
Surrogate: 4-Bromochlorobenzene-PID		95.2 %	70-130	11/17/21	11/17/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2147020
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/21	11/17/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.6 %	70-130	11/17/21	11/17/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2147024
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/21	11/17/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/21	11/17/21	
Surrogate: n-Nonane		102 %	50-200	11/17/21	11/17/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2147022
Chloride	49.0	20.0	1	11/17/21	11/17/21	



Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

#### Comp 33 E111114-26

		E111117-20				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: IY		Batch: 2147020
Benzene	ND	0.0250	1	11/17/21	11/17/21	
Ethylbenzene	ND	0.0250	1	11/17/21	11/17/21	
Toluene	ND	0.0250	1	11/17/21	11/17/21	
o-Xylene	ND	0.0250	1	11/17/21	11/17/21	
p,m-Xylene	ND	0.0500	1	11/17/21	11/17/21	
Total Xylenes	ND	0.0250	1	11/17/21	11/17/21	
Surrogate: 4-Bromochlorobenzene-PID		99.3 %	70-130	11/17/21	11/17/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2147020
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/21	11/17/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.2 %	70-130	11/17/21	11/17/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: JL		Batch: 2147024
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/21	11/18/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/21	11/18/21	
Surrogate: n-Nonane		102 %	50-200	11/17/21	11/18/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: IY		Batch: 2147022
Chloride	119	20.0	1	11/17/21	11/17/21	



Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

#### Comp 34 E111114-27

		E111114-27				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
· image	resur			•	111111,200	110100
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2147020
Benzene	ND	0.0250	1	11/17/21	11/17/21	
Ethylbenzene	ND	0.0250	1	11/17/21	11/17/21	
Toluene	ND	0.0250	1	11/17/21	11/17/21	
o-Xylene	ND	0.0250	1	11/17/21	11/17/21	
p,m-Xylene	ND	0.0500	1	11/17/21	11/17/21	
Total Xylenes	ND	0.0250	1	11/17/21	11/17/21	
Surrogate: 4-Bromochlorobenzene-PID		93.3 %	70-130	11/17/21	11/17/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2147020
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/21	11/17/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %	70-130	11/17/21	11/17/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2147024
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/21	11/18/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/21	11/18/21	
Surrogate: n-Nonane		104 %	50-200	11/17/21	11/18/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2147022
Chloride	112	20.0	1	11/17/21	11/17/21	



Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

		E111114-28				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2147020
Benzene	ND	0.0250	1	11/17/21	11/17/21	
Ethylbenzene	ND	0.0250	1	11/17/21	11/17/21	
Toluene	ND	0.0250	1	11/17/21	11/17/21	
o-Xylene	ND	0.0250	1	11/17/21	11/17/21	
p,m-Xylene	ND	0.0500	1	11/17/21	11/17/21	
Total Xylenes	ND	0.0250	1	11/17/21	11/17/21	
Surrogate: 4-Bromochlorobenzene-PID		93.1 %	70-130	11/17/21	11/17/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2147020
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/21	11/17/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.3 %	70-130	11/17/21	11/17/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2147024
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/21	11/18/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/21	11/18/21	
Surrogate: n-Nonane		107 %	50-200	11/17/21	11/18/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2147022
Chloride	114	20.0	1	11/17/21	11/17/21	



Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

#### Comp 36 E111114-29

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Notes
Batch: 2147020
Batch. 2147020
Batch: 2147020
Batch: 2147024
Batch: 2147022
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Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

#### Comp 37 E111114-30

		E111114-30				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	Analyst: IY		Batch: 2147020
Benzene	ND	0.0250	1	11/17/21	11/18/21	
Ethylbenzene	ND	0.0250	1	11/17/21	11/18/21	
Toluene	ND	0.0250	1	11/17/21	11/18/21	
-Xylene	ND	0.0250	1	11/17/21	11/18/21	
o,m-Xylene	ND	0.0500	1	11/17/21	11/18/21	
Total Xylenes	ND	0.0250	1	11/17/21	11/18/21	
Surrogate: 4-Bromochlorobenzene-PID		91.9 %	70-130	11/17/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2147020
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/21	11/18/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.6 %	70-130	11/17/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2147024
Diesel Range Organics (C10-C28)	51.3	25.0	1	11/17/21	11/18/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/21	11/18/21	
Surrogate: n-Nonane		93.5 %	50-200	11/17/21	11/18/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2147022
Chloride	113	20.0	1	11/17/21	11/17/21	



Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

### Comp 38

E111114-31								
		Reporting						
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2147020		
Benzene	ND	0.0250	1	11/17/21	11/18/21			
Ethylbenzene	ND	0.0250	1	11/17/21	11/18/21			
Toluene	ND	0.0250	1	11/17/21	11/18/21			
o-Xylene	ND	0.0250	1	11/17/21	11/18/21			
p,m-Xylene	ND	0.0500	1	11/17/21	11/18/21			
Total Xylenes	ND	0.0250	1	11/17/21	11/18/21			
Surrogate: 4-Bromochlorobenzene-PID		91.1 %	70-130	11/17/21	11/18/21			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2147020		
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/21	11/18/21			
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.7 %	70-130	11/17/21	11/18/21			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2147024		
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/21	11/18/21			
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/21	11/18/21			
Surrogate: n-Nonane		113 %	50-200	11/17/21	11/18/21			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2147022		
Chloride	102	20.0	1	11/17/21	11/17/21			



### **QC Summary Data**

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Tap Rock	Project Name:	Jackson Unit #29	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM
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Artesia NM, 88210		Project Manager:	Na	atalie Gladden				11	1/19/2021 12:03:43PM	
		Volatile Organics by EPA 8021B							Analyst: IY	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2147019-BLK1)							Prepared: 1	1/16/21 An	alyzed: 11/18/21	
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
o-Xylene	ND	0.0250								
o,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: 4-Bromochlorobenzene-PID	7.48		8.00		93.5	70-130				
LCS (2147019-BS1)							Prepared: 1	1/16/21 An	alyzed: 11/18/21	
Benzene	4.59	0.0250	5.00		91.8	70-130				
Ethylbenzene	4.59	0.0250	5.00		91.9	70-130				
Toluene	4.81	0.0250	5.00		96.2	70-130				
o-Xylene	4.53	0.0250	5.00		90.6	70-130				
o,m-Xylene	9.32	0.0500	10.0		93.2	70-130				
Total Xylenes	13.8	0.0250	15.0		92.3	70-130				
Surrogate: 4-Bromochlorobenzene-PID	7.54		8.00		94.3	70-130				
LCS Dup (2147019-BSD1)							Prepared: 1	1/17/21 An	alyzed: 11/18/21	
Benzene	4.90	0.0250	5.00		97.9	70-130	6.48	20		
Ethylbenzene	4.92	0.0250	5.00		98.5	70-130	6.94	20		
Coluene	5.13	0.0250	5.00		103	70-130	6.41	20		
o-Xylene	4.85	0.0250	5.00		97.0	70-130	6.87	20		
o,m-Xylene	9.98	0.0500	10.0		99.8	70-130	6.85	20		
Total Xylenes	14.8	0.0250	15.0		98.9	70-130	6.86	20		
Surrogate: 4-Bromochlorobenzene-PID	7.49		8.00		93.6	70-130				



Surrogate: 4-Bromochlorobenzene-PID

### **QC Summary Data**

		•	
Tap Rock	Project Name:	Jackson Unit #29	Reported:
7 W. Compress Road	Project Number:	20046-0001	·
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

Artesia NM, 88210		Project Manager:	: Na	atalie Gladden				11/	19/2021 12:03:43PM
		Volatile Organics by EPA 8021B							Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2147020-BLK1)						I	Prepared: 1	1/17/21 Ana	lyzed: 11/17/21
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	7.18		8.00		89.8	70-130			
LCS (2147020-BS1)						I	Prepared: 1	1/17/21 Ana	lyzed: 11/17/21
Benzene	4.86	0.0250	5.00		97.3	70-130			
Ethylbenzene	4.70	0.0250	5.00		94.1	70-130			
Toluene	4.88	0.0250	5.00		97.6	70-130			
o-Xylene	4.79	0.0250	5.00		95.9	70-130			
p,m-Xylene	9.56	0.0500	10.0		95.6	70-130			
Total Xylenes	14.4	0.0250	15.0		95.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.63		8.00		95.4	70-130			
LCS Dup (2147020-BSD1)						I	Prepared: 1	1/17/21 Ana	lyzed: 11/17/21
Benzene	4.67	0.0250	5.00		93.5	70-130	4.00	20	
Ethylbenzene	4.52	0.0250	5.00		90.4	70-130	3.96	20	
Toluene	4.69	0.0250	5.00		93.8	70-130	3.99	20	
o-Xylene	4.63	0.0250	5.00		92.6	70-130	3.52	20	
p,m-Xylene	9.20	0.0500	10.0		92.0	70-130	3.82	20	
Total Xylenes	13.8	0.0250	15.0		92.2	70-130	3.72	20	



Surrogate: 1-Chloro-4-fluorobenzene-FID

### **QC Summary Data**

Tap Rock	Project Name:	Jackson Unit #29	Reported:
7 W. Compress Road	Project Number:	20046-0001	•
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

Artesia NM, 88210		Project Number: Project Manager:		atalie Gladden				1	1/19/2021 12:03:43PM	
	Nonhalogenated Organics by EPA 8015D - GRO							Analyst: IY		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2147019-BLK1)							Prepared: 11	1/16/21 Ar	nalyzed: 11/18/21	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.48		8.00		106	70-130				
LCS (2147019-BS2)							Prepared: 1	1/16/21 Ar	nalyzed: 11/18/21	
Gasoline Range Organics (C6-C10)	48.6	20.0	50.0		97.1	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.52		8.00		107	70-130				
LCS Dup (2147019-BSD2)							Prepared: 11	1/16/21 Ar	nalyzed: 11/18/21	
Gasoline Range Organics (C6-C10)	50.1	20.0	50.0		100	70-130	3.02	20		

70-130

8.55

Surrogate: 1-Chloro-4-fluorobenzene-FID

7.45

### **QC Summary Data**

Tap Rock	Project Name: Jackson Unit #29	Reported:
7 W. Compress Road	Project Number: 20046-0001	•
Artesia NM, 88210	Project Manager: Natalie Gladden	11/19/2021 12:03:43PM

Artesia NM, 88210		Project Manager		italie Gladden				11/	19/2021 12:03:43PM
	Non	halogenated (	Organics l	by EPA 801	15D - G	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2147020-BLK1)							Prepared: 1	1/17/21 Ana	lyzed: 11/17/21
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130			
LCS (2147020-BS2)							Prepared: 1	1/17/21 Ana	lyzed: 11/17/21
Gasoline Range Organics (C6-C10)	52.7	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.51		8.00		93.9	70-130			
LCS Dup (2147020-BSD2)							Prepared: 1	1/17/21 Ana	lyzed: 11/17/21
Gasoline Range Organics (C6-C10)	51.3	20.0	50.0		103	70-130	2.62	20	

8.00

93.2

70-130

### **QC Summary Data**

Tap Rock	Project Name:	Jackson Unit #29	Reported:
7 W. Compress Road	Project Number:	20046-0001	•
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

Artesia NM, 88210		Project Manager	r: Na	ıtalie Gladden	1				11/19/2021 12:03:43PM		
	Nonhalogenated Organics by EPA 8015D - DRO/ORO								Analyst: JL		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2147023-BLK1)							Prepared: 1	1/17/21	Analyzed: 11/17/21		
tiesel Range Organics (C10-C28)	ND	25.0									
vil Range Organics (C28-C36)	ND	50.0									
urrogate: n-Nonane	50.8		50.0		102	50-200					
.CS (2147023-BS1)							Prepared: 1	1/17/21	Analyzed: 11/17/21		
riesel Range Organics (C10-C28)	537	25.0	500		107	38-132					
urrogate: n-Nonane	45.1		50.0		90.3	50-200					
Matrix Spike (2147023-MS1)				Source:	E111114-2	0	Prepared: 1	1/17/21	Analyzed: 11/17/21		
viesel Range Organics (C10-C28)	545	25.0	500	ND	109	38-132					
urrogate: n-Nonane	46.1		50.0		92.2	50-200					
Matrix Spike Dup (2147023-MSD1)				Source:	E111114-2	0	Prepared: 1	1/17/21	Analyzed: 11/17/21		
tiesel Range Organics (C10-C28)	550	25.0	500	ND	110	38-132	0.819	20			
urrogate: n-Nonane	47.2		50.0		94.5	50-200					



### **QC Summary Data**

Tap Rock	Project Name:	Jackson Unit #29	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM

Artesia NM, 88210		Project Manage	r: N	atalie Gladden					11/19/2021 12:03:43PM
	Nonha	logenated Or	ganics by	EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2147024-BLK1)							Prepared: 1	1/17/21	Analyzed: 11/17/21
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.1		50.0		102	50-200			
LCS (2147024-BS1)							Prepared: 1	1/17/21	Analyzed: 11/17/21
Diesel Range Organics (C10-C28)	471	25.0	500		94.2	38-132			
Surrogate: n-Nonane	44.7		50.0		89.4	50-200			
Matrix Spike (2147024-MS1)				Source:	E111115-0	5	Prepared: 1	1/17/21	Analyzed: 11/17/21
Diesel Range Organics (C10-C28)	502	25.0	500	ND	100	38-132			
Surrogate: n-Nonane	61.3		50.0		123	50-200			
Matrix Spike Dup (2147024-MSD1)				Source:	E111115-0	5	Prepared: 1	1/17/21	Analyzed: 11/17/21
Diesel Range Organics (C10-C28)	479	25.0	500	ND	95.8	38-132	4.62	20	
Surrogate: n-Nonane	54.2		50.0		108	50-200			



Chloride

### **QC Summary Data**

Tap Rock 7 W. Compress Road	Project Name: Project Number:	Jackson Unit #29 20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/19/2021 12:03:43PM
	Anions by	EDA 300 0/0056A	

Artesia NM, 88210		Project Manager	r: Na	atalie Gladder	1			I	1/19/2021 12:03:43PM
		Anions	by EPA 3	00.0/9056A	1				Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2147021-BLK1)							Prepared: 1	1/17/21 An	alyzed: 11/17/21
Chloride	ND	20.0							
LCS (2147021-BS1)							Prepared: 1	1/17/21 An	alyzed: 11/17/21
Chloride	249	20.0	250		99.5	90-110			
Matrix Spike (2147021-MS1)				Source:	E111114-0	1	Prepared: 1	1/17/21 An	alyzed: 11/17/21
Chloride	293	20.0	250	47.8	98.0	80-120			
Matrix Spike Dup (2147021-MSD1)				Source:	E111114-0	1	Prepared: 1	1/17/21 An	alyzed: 11/17/21

47.8

97.6

80-120

20.0

### **QC Summary Data**

Tap Rock 7 W. Compress Road		Project Name: Project Number:		ackson Unit #29 0046-0001					Reported:	
Artesia NM, 88210		Project Manager:	N	atalie Gladden					11/19/2021 12:03:43PM	
		Anions l	oy EPA (	300.0/9056A					Analyst: IY	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPE Limi		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2147022-BLK1)							Prepared: 1	1/17/21	Analyzed: 11/17/21	
Chloride	ND	20.0								
LCS (2147022-BS1)							Prepared: 1	1/17/21	Analyzed: 11/17/21	
Chloride	251	20.0	250		100	90-110				
Matrix Spike (2147022-MS1)				Source: E	111114-21		Prepared: 1	1/17/21	Analyzed: 11/17/21	
Chloride	298	20.0	250	46.7	101	80-120				
Matrix Spike Dup (2147022-MSD1)				Source: E	111114-21		Prepared: 1	1/17/21	Analyzed: 11/17/21	
Chloride	299	20.0	250	46.7	101	80-120	0.348	20		

#### QC Summary Report Comment:

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



### **Definitions and Notes**

Tap Rock	Project Name: Jackson Unit	#29
7 W. Compress Road	Project Number: 20046-0001	Reported:
Artesia NM, 88210	Project Manager: Natalie Glade	den 11/19/21 12:03

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.



AVG Temp °C 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

Project Ir	nformation						Chain of	Custody												F	age <u>Z</u>	of 4	Recei
Client:						Bil	II To		T		la	h Hs	e Onl	V	-	-		-	TAT		EDA	rogram	vea
Project:					10	Attention:			Lab	WO#			Job N		or	-	1D			tandard	CWA	SDWA	<i>b</i>
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Sampled	Date Sampled	Matrix	Containers	Sample ID				Number	DRO/ORO	GRO/DRO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM - BGDOC	Ę.					Remarks		26:2
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Sample Matr	ix: S - Soil, Sd - So	lid, Sg - Sludg	ge, A - Aqueo	ous, O - Other				Container	Type	: g - g	lass. r			_		nber	glass	v - VO	A				
Note: Samp	les are discarde	ed 30 days a	after results	are reported	uniess o	other arrangements are made	. Hazardous sar	nples will be	retur	ned to	client	or dis	posed	of at	the cli	ent e	xpens	e. The	report	for the analy	sis of the a	bove	
samples is a	applicable only t	to those sar	mples recei	ved by the lat	oratory	with this COC. The liability of	the laboratory is	limited to th	ne amo	ount p	aid fo	r on th	ne repo	ort.									1



Project In	formation							Chain of	Custody													Pa	ige 3	of <u></u>	Recei
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Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			<u> </u>		Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM - BGDOC	TX-TPH						Remarks		8:26:
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Project In	formation								Chain of	Custody														age C	<u>/</u> of	Recei
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Sample Matri	x: <b>S</b> - Soil, <b>Sd</b> - So	lid, <b>Sg</b> - Sludg	e, A - Aqueo	us, O - Other			Container	Type:	g - gl:	ass. p -	nol	v/nlas	tic a	0 - 2	nber	place	V - 1	/OA			
Note: Samp	les are discarde	d 30 days a	fter results	are reported unless of	ther arrangements are made.	Hazardous sam	nles will be	return	ned to	client o	r dis	nosad	of at	the c	ient e	expen	se. T	he rep	ort for the analys	is of the ab	ove
samples is a	pplicable only	o those san	nples receiv	ed by the laboratory	with this COC. The liability of the	he laboratory is l	imited to th	e amo	ount pa	aid for c	n th	e repo	ort.			_					

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roject In	formation						Chain of (	Custody													P	age <u>Z</u>	of <u>4</u>
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Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	)			Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM - BGDOC	ТХ - ТРН (ТСЕО, 1005)						Remarks	
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elinquishe	by: (Signature	1	Date	15.21	Time /6/:	Received by: (Signatur	e)	Date N-16	h	Time	205 : 46	,		ived	OH IC		0	/ 11					
elingdished	d by: (Signature		Date		Time	Received by: (Signatur	e)	Date		Time			T1	T.	00	4	<u>T2</u>			_ 13			
mnle Matri	c: <b>S</b> - Soil, <b>Sd</b> - Sol	id Sp - Slude	e A - Agues	us O c Othor				Container	Type:	اء ما	255 =			Tem		ma la c			(O.A.				
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envirotech 323 envirotech 323

Project Information				Chain of	Custody												F	age <u>3</u>	_ of <u></u>			
lient:					10-70-1	Bill	То				La	b Us	e On	lv				1	TA	NT	EPA P	rogram
roject:	_				0	Attention:			Lab	WO#			Job I	Num	ber		1D	2D	3D	Standard	CWA	SDW/
roject N	lanager:					Address:			EI	IIII	4		20	46	-000	1		X				
<u> ddress:</u>			d		188	City, State, Zip						-	Analy	sis ar	nd Met	hod				Table 1		RCRA
ity, Stat	e, Zip		γ	<del></del>		Phone:																
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mail:									8 8	% .×	77	9		0.0	ا پ	010				NM CO	UT AZ	TX
eport d	ue by:				V.F				RO L	ROL	, 80 V	826	601	e 30	900	E)				X		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				Lab Number	ORO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM - BGDOC	TX_TPH (TCEQ 1005)					Remarks	
	11/12	_5	l	Co	mp	25		21							X							
	-	7	1	Ca	mp	3		22		·					(							
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dition	al Instruction	ns:							EREC	IAMESKISI				- 10		T		-				
	ler), attest to the					that tampering with or intentional Sampled by:	ly mislabelling the	sample locat	on,			- 1								ved on ice the day the		or received
Imquishe	d by: (Signature	Dord	Date,	15/21	Time	Received by: Signature	21_	Date 11-15.		Time	204	5	Rece	havi	on ice	,	La	b Us	e Onl	У		
linduishe	d by: (Signature	(e)	Date	15.21	Time 16/3	Received by: (Fignature		Date 11-16		Time	1;4(		T1	.vcu	311 100		T2			<u>T3</u>		
linguighe	d by: (Signature	e)	Date		Time	Received by: (Signature	)	Date	$\rightarrow$	Time	-			Ta	- 00	u	1 6			15		
nle B4at-	x: <b>S</b> - Soil, <b>Sd</b> - So	did Se Sh4	70 A A=	oue O Other				Container	Type	اء م	266 -			Tem		nha	r also		VO.4			
						ther arrangements are made.	Hagardone car	Container												and fantle	ale of the	haur



envirotech 33 933

Project Information	Chain of Custody			P	age $\mathcal{U}$ of $\mathcal{Y}$
Client: Project: Project Manager: Address:	Bill To Attention: Address: City, State, Zip	Lab WO# E   \\ \\ \\ \\ \\	Job Number  Job (6-000)  Analysis and Method	TAT  1D 2D 3D Standard	EPA Program CWA SDWA RCRA
City, State, Zip Phone: Email: Report due by: Time Sampled Date Sampled Matrix No. of Containers Sample ID	Phone: Email:	DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021	(5001)	NM CO	State
	Number 38 21	Δ (5 m) >	X Z Z		
	300				
Additional Instructions:  , (field sampler), attest to the validity and authenticity of this sample. I am	aware that tampering with or intentionally mislabelling the sample loca	tion.	Samples requiring thermal pres	servation must be received on ice the day they	v are sampled or received
date or time of collection is considered fraud and may be grounds for legal		Time	packed in ice at an avg temp ab	Lab Use Only  N	
Relinquished by: (Signature)   Date   Time	Received by (Signature)  Received by: (Signature)  Date  Date			T2 T3	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other	Containe	r Type: g - glass, p -	poly/plastic, ag - amber	glass, v - VOA	
Note: Samples are discarded 30 days after results are reported un samples is applicable only to those samples received by the labora	ess other arrangements are made. Hazardous samples will b	e returned to client or	disposed of at the client of	expense. The report for the analys	sis of the above



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Page 235 of 323 Printed: 11/16/2021 1:26:18PM

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Tap Rock	Date Received:	11/16/21 0	0:00	Work	Order ID:	E111114
Phone:	(575) 390-6397	Date Logged In:	11/16/21 1	2:56	Logge	ed In By:	Jessica Liesse
Email:	natalie@energystaffingllc.com	Due Date:	11/19/21 1	7:00 (3 day TAT)			
1. Does th 2. Does th 3. Were sa 4. Was the	Custody (COC)  The sample ID match the COC? The number of samples per sampling site location matched amples dropped off by client or carrier? The COC complete, i.e., signatures, dates/times, requested the samples received within holding time?	sted analyses?	No Yes Yes Yes No	Carrier: <u>F</u>	edEx		
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.			_		Commen	ts/Resolution
·	urn Around Time (TAT) COC indicate standard TAT, or Expedited TAT?		Yes		Sample lab num	-	<u>-</u>
Sample C	<u>Cooler</u>				labeled as Com	p 3-2. S	ample lab number
	sample cooler received?		Yes		23 physical sam	npled lat	peled as Comp 7-2.
8. If yes,	was cooler received in good condition?		Yes			_	_
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes C				
Sample C		•					
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers'	?	Yes				
19. Is the a	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Sa D	oel field sample labels filled out with the minimum info ample ID? ate/Time Collected? ollectors name?	ormation:	Yes Yes				
	reservation		No				
	the COC or field labels indicate the samples were pr	reserved?	No				
	imple(s) correctly preserved?		NA				
	filteration required and/or requested for dissolved m	netals?	No				
	se Sample Matrix						
_	the sample have more than one phase, i.e., multipha	se?	No				
	does the COC specify which phase(s) is to be analy		NA				
•	act Laboratory						
28. Are sa	imples required to get sent to a subcontract laborator subcontract laboratory specified by the client and if	-	No NA	Subcontract Lab	· NA		
	struction			– ***			
Signat	ure of client authorizing changes to the COC or sample dis	position.			Date		envirotech Inc

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

Released to Imaging: 2/22/2022 8:42:50 AM

Report to:

Natalie Gladden







5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

### **Analytical Report**

Tap Rock

Project Name: Jackson Unit #29

Work Order: E111130

Job Number: 20046-0001

Received: 11/22/2021

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/23/21

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. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 11/23/21

Natalie Gladden 7 W. Compress Road Artesia, NM 88210

Project Name: Jackson Unit #29

Workorder: E111130

Date Received: 11/22/2021 12:55:00PM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/22/2021 12:55:00PM, under the Project Name: Jackson Unit #29.

The analytical test results summarized in this report with the Project Name: Jackson Unit #29 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

**Alexa Michaels** 

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

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Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

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

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### Sample Summary

Tap Rock	Project Name:	Jackson Unit #29	Reported:
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/23/21 17:01

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Comp 27A	E111130-01A	Soil	11/15/21	11/22/21	Glass Jar, 4 oz.
Comp 30A	E111130-02A	Soil	11/15/21	11/22/21	Glass Jar, 4 oz.
Comp 32A	E111130-03A	Soil	11/15/21	11/22/21	Glass Jar, 4 oz.
Comp 13A	E111130-04A	Soil	11/15/21	11/22/21	Glass Jar, 4 oz.
Comp 39A	E111130-05A	Soil	11/15/21	11/22/21	Glass Jar, 4 oz.
Comp 28A	E111130-06A	Soil	11/15/21	11/22/21	Glass Jar, 4 oz.
SW1	E111130-07A	Soil	11/15/21	11/22/21	Glass Jar, 4 oz.
SW2	E111130-08A	Soil	11/15/21	11/22/21	Glass Jar, 4 oz.
SW3	E111130-09A	Soil	11/15/21	11/22/21	Glass Jar, 4 oz.
SW4	E111130-10A	Soil	11/15/21	11/22/21	Glass Jar, 4 oz.

Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/23/2021 5:01:24PM

### Comp 27A E111130-01

	E111130-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2148010
ND	0.0250	1	11/22/21	11/23/21	
ND	0.0250	1	11/22/21	11/23/21	
ND	0.0250	1	11/22/21	11/23/21	
ND	0.0250	1	11/22/21	11/23/21	
ND	0.0500	1	11/22/21	11/23/21	
ND	0.0250	1	11/22/21	11/23/21	
	92.4 %	70-130	11/22/21	11/23/21	
mg/kg	mg/kg	Ana	Analyst: RKS		Batch: 2148010
ND	20.0	1	11/22/21	11/23/21	
	93.0 %	70-130	11/22/21	11/23/21	
mg/kg	mg/kg	Ana	lyst: JL		Batch: 2148008
ND	25.0	1	11/22/21	11/22/21	
ND	50.0	1	11/22/21	11/22/21	
	113 %	50-200	11/22/21	11/22/21	
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2148011
27.0	20.0	1	11/22/21	11/23/21	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result         Reporting Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           92.4 %         mg/kg           MD         20.0           93.0 %         mg/kg           MD         25.0           ND         50.0           113 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Ana           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         0.0250         1           92.4 %         70-130         70-130           mg/kg         mg/kg         Ana           ND         20.0         1           Mg/kg         mg/kg         Ana           ND         25.0         1           ND         50.0         1           113 %         50-200           mg/kg         mg/kg         Ana	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         11/22/21           ND         0.0250         1         11/22/21           ND         0.0250         1         11/22/21           ND         0.0250         1         11/22/21           ND         0.0500         1         11/22/21           MD         0.0250         1         11/22/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         11/22/21           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         11/22/21           ND         50.0         1         11/22/21           ND         50.0         1         11/22/21           ND         50.0         1         11/22/21           ND         50.0         1         11/22/21           mg/kg         mg/kg         Analyst: JL	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         11/22/21         11/23/21           ND         0.0250         1         11/22/21         11/23/21           ND         0.0250         1         11/22/21         11/23/21           ND         0.0500         1         11/22/21         11/23/21           ND         0.0250         1         11/22/21         11/23/21           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         11/22/21         11/23/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         11/22/21         11/23/21           mg/kg         mg/kg         Analyst: JL         11/22/21         11/23/21           ND         25.0         1         11/22/21         11/22/21           ND         50.0         1         11/22/21         11/22/21           ND         50.0         1         11/22/21         11/22/21           ND         50.0         1         <



Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/23/2021 5:01:24PM

### Comp 30A

		E111130-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2148010
Benzene	ND	0.0250	1	11/22/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/22/21	11/23/21	
Toluene	ND	0.0250	1	11/22/21	11/23/21	
o-Xylene	ND	0.0250	1	11/22/21	11/23/21	
p,m-Xylene	ND	0.0500	1	11/22/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/22/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		86.2 %	70-130	11/22/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2148010
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/22/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.0 %	70-130	11/22/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2148008
Diesel Range Organics (C10-C28)	ND	25.0	1	11/22/21	11/22/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/22/21	11/22/21	
Surrogate: n-Nonane		126 %	50-200	11/22/21	11/22/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2148011
Chloride	25.7	20.0	1	11/22/21	11/23/21	



Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/23/2021 5:01:24PM

### Comp 32A

		E111130-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2148010
Benzene	ND	0.0250	1	11/22/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/22/21	11/23/21	
Toluene	ND	0.0250	1	11/22/21	11/23/21	
o-Xylene	ND	0.0250	1	11/22/21	11/23/21	
p,m-Xylene	ND	0.0500	1	11/22/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/22/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		95.7 %	70-130	11/22/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2148010
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/22/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.3 %	70-130	11/22/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2148008
Diesel Range Organics (C10-C28)	ND	25.0	1	11/22/21	11/22/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/22/21	11/22/21	
Surrogate: n-Nonane		112 %	50-200	11/22/21	11/22/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2148011
Chloride	ND	20.0	1	11/22/21	11/23/21	



Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/23/2021 5:01:24PM

### Comp 13A E111130-04

		E111130-04				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
,				•	1 11111 ) 200	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2148010
Benzene	ND	0.0250	1	11/22/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/22/21	11/23/21	
Coluene	ND	0.0250	1	11/22/21	11/23/21	
-Xylene	ND	0.0250	1	11/22/21	11/23/21	
o,m-Xylene	ND	0.0500	1	11/22/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/22/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		98.7 %	70-130	11/22/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2148010
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/22/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.7 %	70-130	11/22/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2148008
Diesel Range Organics (C10-C28)	ND	25.0	1	11/22/21	11/22/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/22/21	11/22/21	
Surrogate: n-Nonane		116 %	50-200	11/22/21	11/22/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2148011
Chloride	31.3	20.0	1	11/22/21	11/23/21	



Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/23/2021 5:01:24PM

### Comp 39A E111130-05

		E111130-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Maryte	Result	Limit	Dilution	Trepared	7 thaty zed	rotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2148010
Benzene	ND	0.0250	1	11/22/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/22/21	11/23/21	
Toluene	ND	0.0250	1	11/22/21	11/23/21	
-Xylene	ND	0.0250	1	11/22/21	11/23/21	
o,m-Xylene	ND	0.0500	1	11/22/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/22/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		99.5 %	70-130	11/22/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2148010
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/22/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.9 %	70-130	11/22/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2148008
Diesel Range Organics (C10-C28)	ND	25.0	1	11/22/21	11/22/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/22/21	11/22/21	
Surrogate: n-Nonane		115 %	50-200	11/22/21	11/22/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2148011
Chloride	20.7	20.0	1	11/22/21	11/23/21	



Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/23/2021 5:01:24PM

### Comp 28A E111130-06

		E111150 00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2148010
Benzene	ND	0.0250	1	11/22/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/22/21	11/23/21	
oluene	ND	0.0250	1	11/22/21	11/23/21	
-Xylene	ND	0.0250	1	11/22/21	11/23/21	
,m-Xylene	ND	0.0500	1	11/22/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/22/21	11/23/21	
urrogate: 4-Bromochlorobenzene-PID		96.0 %	70-130	11/22/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2148010
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/22/21	11/23/21	
urrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	11/22/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2148008
Diesel Range Organics (C10-C28)	ND	25.0	1	11/22/21	11/22/21	
Dil Range Organics (C28-C36)	ND	50.0	1	11/22/21	11/22/21	
Surrogate: n-Nonane		115 %	50-200	11/22/21	11/22/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2148011
Chloride	20.3	20.0	1	11/22/21	11/23/21	



Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/23/2021 5:01:24PM

### SW1

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2148010
Benzene	ND	0.0250	1	11/22/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/22/21	11/23/21	
Toluene	ND	0.0250	1	11/22/21	11/23/21	
o-Xylene	ND	0.0250	1	11/22/21	11/23/21	
p,m-Xylene	ND	0.0500	1	11/22/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/22/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		96.7 %	70-130	11/22/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2148010
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/22/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	11/22/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2148008
Diesel Range Organics (C10-C28)	ND	25.0	1	11/22/21	11/22/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/22/21	11/22/21	
Surrogate: n-Nonane		117 %	50-200	11/22/21	11/22/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2148011
	120	20.0		11/22/21	11/23/21	



Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/23/2021 5:01:24PM

### SW2

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2148010
Benzene	ND	0.0250	1	11/22/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/22/21	11/23/21	
Toluene	ND	0.0250	1	11/22/21	11/23/21	
o-Xylene	ND	0.0250	1	11/22/21	11/23/21	
p,m-Xylene	ND	0.0500	1	11/22/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/22/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		95.9 %	70-130	11/22/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2148010
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/22/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	11/22/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: JL		Batch: 2148008
Diesel Range Organics (C10-C28)	ND	25.0	1	11/22/21	11/22/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/22/21	11/22/21	
Surrogate: n-Nonane		115 %	50-200	11/22/21	11/22/21	
A L EDA 200 0/005/ A	mg/kg	mg/kg	Analy	yst: IY		Batch: 2148011
Anions by EPA 300.0/9056A	<u> </u>					



Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/23/2021 5:01:24PM

### SW3

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2148010
Benzene	ND	0.0250	1	11/22/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/22/21	11/23/21	
Toluene	ND	0.0250	1	11/22/21	11/23/21	
o-Xylene	ND	0.0250	1	11/22/21	11/23/21	
p,m-Xylene	ND	0.0500	1	11/22/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/22/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		92.1 %	70-130	11/22/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2148010
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/22/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.7 %	70-130	11/22/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2148008
Diesel Range Organics (C10-C28)	ND	25.0	1	11/22/21	11/22/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/22/21	11/22/21	
Surrogate: n-Nonane		116 %	50-200	11/22/21	11/22/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2148011
Chloride	26.2	20.0	1	11/22/21	11/23/21	•



Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/23/2021 5:01:24PM

### SW4

	Panartina				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: RKS		Batch: 2148010
ND	0.0250	1	11/22/21	11/23/21	
ND	0.0250	1	11/22/21	11/23/21	
ND	0.0250	1	11/22/21	11/23/21	
ND	0.0250	1	11/22/21	11/23/21	
ND	0.0500	1	11/22/21	11/23/21	
ND	0.0250	1	11/22/21	11/23/21	
	90.7 %	70-130	11/22/21	11/23/21	
mg/kg	mg/kg	Analy	yst: RKS		Batch: 2148010
ND	20.0	1	11/22/21	11/23/21	
	91.1 %	70-130	11/22/21	11/23/21	
mg/kg	mg/kg	Analy	yst: JL		Batch: 2148008
ND	25.0	1	11/22/21	11/22/21	
ND	50.0	1	11/22/21	11/22/21	
	116 %	50-200	11/22/21	11/22/21	
/1		Anals	yst: IY		Batch: 2148011
mg/kg	mg/kg	Allary	731.11		Daten. 2140011
	mg/kg  ND	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           mg/kg         mg/kg           MD         20.0           91.1 %         mg/kg           ND         25.0           ND         50.0	Result         Limit         Dilution           mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         0.0250         1           90.7%         70-130           mg/kg         mg/kg         Analy           ND         20.0         1           mg/kg         mg/kg         Analy           ND         25.0         1           ND         50.0         1	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         11/22/21           ND         0.0250         1         11/22/21           ND         0.0250         1         11/22/21           ND         0.0250         1         11/22/21           ND         0.0500         1         11/22/21           ND         0.0250         1         11/22/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         11/22/21           mg/kg         mg/kg         Analyst: JL           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         11/22/21           ND         50.0         1         11/22/21	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         11/22/21         11/23/21           ND         0.0250         1         11/22/21         11/23/21           ND         0.0250         1         11/22/21         11/23/21           ND         0.0500         1         11/22/21         11/23/21           ND         0.0250         1         11/22/21         11/23/21           MD         0.0250         1         11/22/21         11/23/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         11/22/21         11/23/21           mg/kg         mg/kg         Analyst: JL         11/23/21         11/23/21           ND         25.0         1         11/22/21         11/22/21         11/22/21           ND         50.0         1         11/22/21         11/22/21         11/22/21



o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

LCS Dup (2148010-BSD1)

### **QC Summary Data**

				•					
Tap Rock		Project Name:		ckson Unit #29	)				Reported:
7 W. Compress Road		Project Number:	20	046-0001					
Artesia NM, 88210		Project Manager:	Na	atalie Gladden					11/23/2021 5:01:24PN
		Volatile O	rganics b	y EPA 8021	B				Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2148010-BLK1)							Prepared: 1	1/22/21	Analyzed: 11/23/21
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.53		8.00		94.1	70-130			
LCS (2148010-BS1)							Prepared: 1	1/22/21	Analyzed: 11/23/21
Benzene	4.71	0.0250	5.00		94.2	70-130			
Ethylbenzene	4.82	0.0250	5.00		96.5	70-130			
Toluene	5.02	0.0250	5.00		100	70-130			

Benzene	4.67	0.0250	5.00	93.5	70-130	0.816	20	
Ethylbenzene	4.80	0.0250	5.00	95.9	70-130	0.586	20	
Toluene	4.97	0.0250	5.00	99.4	70-130	1.05	20	
o-Xylene	4.76	0.0250	5.00	95.2	70-130	0.175	20	
p,m-Xylene	9.69	0.0500	10.0	96.9	70-130	0.530	20	
Total Xylenes	14.5	0.0250	15.0	96.4	70-130	0.413	20	
Surrogate: 4-Bromochlorobenzene-PID	7.67		8.00	95.9	70-130			

5.00

15.0

8.00

0.0250

0.0500

0.0250

4.77

9.74

14.5

7.59

95.4

97.4

96.8

94.8

70-130

70-130

70-130

70-130

Prepared: 11/22/21 Analyzed: 11/23/21

Surrogate: 1-Chloro-4-fluorobenzene-FID

8.24

### **QC Summary Data**

Tap Rock	Project Name:	Jackson Unit #29	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/23/2021 5:01:24PM

Artesia NM, 88210		Project Manager		italie Gladden					11/23/2021 5:01:24PM	
	Nonhalogenated Organics by EPA 8015D - GRO							Analyst: RKS		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2148010-BLK1)							Prepared: 1	1/22/21 A	nalyzed: 11/23/21	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.13		8.00		102	70-130				
LCS (2148010-BS2)							Prepared: 1	1/22/21 A	nalyzed: 11/23/21	
Gasoline Range Organics (C6-C10)	47.0	20.0	50.0		94.0	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.32		8.00		104	70-130				
LCS Dup (2148010-BSD2)							Prepared: 1	1/22/21 A	nalyzed: 11/23/21	
Gasoline Range Organics (C6-C10)	46.9	20.0	50.0		93.8	70-130	0.159	20		

70-130



### **QC Summary Data**

Tap Rock	Project Name:	Jackson Unit #29	Reported:
7 W. Compress Road	Project Number:	20046-0001	-
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/23/2021 5:01:24PM

Artesia NM, 88210		Project Manager	r: Na	ntalie Gladder	ı				11/23/2021 5:01:24PM	
	Nonhalogenated Organics by EPA 8015D - DRO/ORO							Analyst: JL		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2148008-BLK1)							Prepared: 1	11/22/21	Analyzed: 11/22/21	
Diesel Range Organics (C10-C28)	ND	25.0								
Oil Range Organics (C28-C36)	ND	50.0								
Surrogate: n-Nonane	60.4		50.0		121	50-200				
LCS (2148008-BS1)							Prepared:	11/22/21	Analyzed: 11/22/21	
Diesel Range Organics (C10-C28)	541	25.0	500		108	38-132				
Surrogate: n-Nonane	59.3		50.0		119	50-200				
Matrix Spike (2148008-MS1)				Source:	E111130-0	7	Prepared:	11/22/21	Analyzed: 11/22/21	
Diesel Range Organics (C10-C28)	585	25.0	500	ND	117	38-132				
Surrogate: n-Nonane	60.7		50.0		121	50-200				
Matrix Spike Dup (2148008-MSD1)				Source:	E111130-0	7	Prepared:	11/22/21	Analyzed: 11/22/21	
Diesel Range Organics (C10-C28)	583	25.0	500	ND	117	38-132	0.425	20		
Surrogate: n-Nonane	62.5		50.0		125	50-200				



Tap Rock		Project Name:		ickson Unit #29	1				Re	ported:
7 W. Compress Road Artesia NM, 88210		Project Number: Project Manager:		0046-0001 atalie Gladden					11/23/202	1 5:01:24PM
		Anions 1	by EPA 3	300.0/9056A					Analy	st: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPE Limi		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%		Notes
Blank (2148011-BLK1)							Prepared:	11/22/21	Analyzed:	11/23/21
Chloride	ND	20.0								
LCS (2148011-BS1)							Prepared:	11/22/21	Analyzed:	11/23/21
Chloride	247	20.0	250		98.7	90-110				
Matrix Spike (2148011-MS1)				Source: E	2111127-21	l	Prepared:	11/22/21	Analyzed:	11/23/21
Chloride	248	20.0	250	ND	99.4	80-120				
Matrix Spike Dup (2148011-MSD1)				Source: E	2111127-21	l	Prepared:	11/22/21	Analyzed:	11/23/21
Chloride	248	20.0	250	ND	99.1	80-120	0.286	20		

#### QC Summary Report Comment:

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



## **Definitions and Notes**

Tap Rock	Project Name:	Jackson Unit #29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/23/21 17:01

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 Lab Use Only TAT Client: Attention: E.S. 1D | 2D | 3D | Standard Lab WO# E 11130 Job Number Project Manager: C. Combs 2004-000 City, State, Zip Hobbs Inim Analysis and Method Address: City, State, Zip Email: matate a energy. Stalping IIC-com Phone: **DRO/ORO by 8015** NM CO UT AZ TX Email: Σ VOC by 8260 Metals 6010 Report due by: BGDOC Lab Time Date No of Sample ID Matrix Sampled Sampled Number 501 d 3 Additional Instructions: Samples requiring thermal preservation must be received on ice the day they are sampled or received , (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, packed in ice at an avg temp above 0 but less than 6 °C on subsequent days date or time of collection is considered fraud and may be grounds for legal action Received by: (Signature) Lab Use Only Relinquished by: (Signature) Received on ice: Relinquished by: (Signature) Received by: (Signature) T3 Date Time Received by: (Signature) Relinquished by: (Signature) AVG Temp °C Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA 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. 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.



Printed: 11/22/2021 1:08:34PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Tap Rock	Date Received:	11/22/21 1	3:01		Work Order ID:	E111130
Phone:	(575) 390-6397	Date Logged In:	11/22/21 1	3:01		Logged In By:	Jessica Liesse
Email:		Due Date:	11/23/21 1	7:00 (1 day TAT)			
Chain of	Custody (COC)						
	he sample ID match the COC?		Yes				
	he number of samples per sampling site location match	h the COC	Yes				
	samples dropped off by client or carrier?		Yes	Carrier: <u>L</u>	ab Carrrier		
	ne COC complete, i.e., signatures, dates/times, requeste	ed analyses?	No				
5. Were a	all samples received within holding time?  Note: Analysis, such as pH which should be conducted in t i.e, 15 minute hold time, are not included in this disucssion		Yes			Commen	s/Resolution
	Turn Around Time (TAT) e COC indicate standard TAT, or Expedited TAT?		Yes		Samples 1	recieved withou	out COC.
Sample	Cooler						
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
	s, were custody/security seals intact?		NA				
12. Was th	he sample received on ice? If yes, the recorded temp is 4°C, i.  Note: Thermal preservation is not required, if samples are minutes of sampling	received w/i 15	Yes				
	visible ice, record the temperature. Actual sample to	emperature: 4°C	<u>≥</u>				
_	Container		N				
	iqueous VOC samples present?		No NA				
	VOC samples collected in VOA Vials?		NA NA				
	e head space less than 6-8 mm (pea sized or less)?						
	a trip blank (TB) included for VOC analyses?		NA Voc				
	non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe	re collected?	Yes Yes				
Field La		is conceicu:	168				
	field sample labels filled out with the minimum inform	mation:					
	Sample ID?	nation.	Yes				
	Date/Time Collected?		Yes	L			
(	Collectors name?		No				
_	Preservation	10					
	the COC or field labels indicate the samples were pre-	served?	No				
	sample(s) correctly preserved?	4-1-9	NA				
	o filteration required and/or requested for dissolved me	tais?	No				
_	ase Sample Matrix						
	the sample have more than one phase, i.e., multiphase		No				
27. If yes	s, does the COC specify which phase(s) is to be analyz	ed?	NA				
Subcont	ract Laboratory						
	amples required to get sent to a subcontract laboratory		No				
29. Was	a subcontract laboratory specified by the client and if s	so who?	NA	Subcontract Lab	o: NA		
Client I	<u>nstruction</u>						
						·	

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

Report to:

Natalie Gladden







5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

## **Analytical Report**

Tap Rock

Project Name: Jackson 029

Work Order: E112030

Job Number: 20046-0001

Received: 12/7/2021

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/8/21

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.

Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 12/8/21

Natalie Gladden 7 W. Compress Road Artesia, NM 88210

Project Name: Jackson 029 Workorder: E112030

Date Received: 12/7/2021 4:36:00PM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/7/2021 4:36:00PM, under the Project Name: Jackson 029.

The analytical test results summarized in this report with the Project Name: Jackson 029 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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## Sample Summary

Tap Rock	Project Name:	Jackson 029	Donastadi
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/08/21 17:41

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW 5	E112030-01A	Soil	12/02/21	12/07/21	Glass Jar, 4 oz.
SW 6	E112030-02A	Soil	12/02/21	12/07/21	Glass Jar, 4 oz.
SW 7	E112030-03A	Soil	12/02/21	12/07/21	Glass Jar, 4 oz.
SW 8	E112030-04A	Soil	12/02/21	12/07/21	Glass Jar, 4 oz.
SW 9	E112030-05A	Soil	12/02/21	12/07/21	Glass Jar, 4 oz.
SW 10	E112030-06A	Soil	12/02/21	12/07/21	Glass Jar, 4 oz.
SW 11	E112030-07A	Soil	12/02/21	12/07/21	Glass Jar, 4 oz.
SW 12	E112030-08A	Soil	12/02/21	12/07/21	Glass Jar, 4 oz.
COMP 8	E112030-09A	Soil	12/02/21	12/07/21	Glass Jar, 4 oz.
COMP 29	E112030-10A	Soil	12/02/21	12/07/21	Glass Jar, 4 oz.
Comp 37 4'	E112030-11A	Solid	12/02/21	12/07/21	Glass Jar, 4 oz.



Tap Rock	Project Name:	Jackson 029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/8/2021 5:41:23PM

#### SW 5

		E112050 01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2150017
Benzene	ND	0.0250	1	12/07/21	12/08/21	
Ethylbenzene	ND	0.0250	1	12/07/21	12/08/21	
Toluene	ND	0.0250	1	12/07/21	12/08/21	
o-Xylene	ND	0.0250	1	12/07/21	12/08/21	
p,m-Xylene	ND	0.0500	1	12/07/21	12/08/21	
Total Xylenes	ND	0.0250	1	12/07/21	12/08/21	
Surrogate: 4-Bromochlorobenzene-PID		92.5 %	70-130	12/07/21	12/08/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2150017
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/07/21	12/08/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	12/07/21	12/08/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2150019
Diesel Range Organics (C10-C28)	200	25.0	1	12/08/21	12/08/21	
Oil Range Organics (C28-C36)	214	50.0	1	12/08/21	12/08/21	
Surrogate: n-Nonane		133 %	50-200	12/08/21	12/08/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2150018
Chloride	887	20.0	1	12/08/21	12/08/21	

Tap Rock	Project Name:	Jackson 029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/8/2021 5:41:23PM

#### **SW 6**

		Domontino				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2150017
Benzene	ND	0.0250	1	12/07/21	12/08/21	
Ethylbenzene	ND	0.0250	1	12/07/21	12/08/21	
Toluene	ND	0.0250	1	12/07/21	12/08/21	
o-Xylene	ND	0.0250	1	12/07/21	12/08/21	
p,m-Xylene	ND	0.0500	1	12/07/21	12/08/21	
Total Xylenes	ND	0.0250	1	12/07/21	12/08/21	
Surrogate: 4-Bromochlorobenzene-PID		94.0 %	70-130	12/07/21	12/08/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2150017
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/07/21	12/08/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	12/07/21	12/08/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2150019
Diesel Range Organics (C10-C28)	27.2	25.0	1	12/08/21	12/08/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/08/21	12/08/21	
Surrogate: n-Nonane		131 %	50-200	12/08/21	12/08/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2150018
Chloride	331	20.0	1	12/08/21	12/08/21	



Tap Rock	Project Name:	Jackson 029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/8/2021 5:41:23PM

#### SW 7

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2150017
Benzene	ND	0.0250	1	12/07/21	12/08/21	
Ethylbenzene	ND	0.0250	1	12/07/21	12/08/21	
Toluene	ND	0.0250	1	12/07/21	12/08/21	
o-Xylene	ND	0.0250	1	12/07/21	12/08/21	
p,m-Xylene	ND	0.0500	1	12/07/21	12/08/21	
Total Xylenes	ND	0.0250	1	12/07/21	12/08/21	
Surrogate: 4-Bromochlorobenzene-PID		95.9 %	70-130	12/07/21	12/08/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2150017
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/07/21	12/08/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.8 %	70-130	12/07/21	12/08/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: JL		Batch: 2150019
Diesel Range Organics (C10-C28)	ND	25.0	1	12/08/21	12/08/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/08/21	12/08/21	
Surrogate: n-Nonane		97.6 %	50-200	12/08/21	12/08/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: IY		Batch: 2150018
	·	<u> </u>	<u> </u>		12/08/21	



Tap Rock	Project Name:	Jackson 029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/8/2021 5:41:23PM

#### **SW 8**

Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: RKS		Batch: 2150017
ND	0.0250	1	12/07/21	12/08/21	
ND	0.0250	1	12/07/21	12/08/21	
ND	0.0250	1	12/07/21	12/08/21	
ND	0.0250	1	12/07/21	12/08/21	
ND	0.0500	1	12/07/21	12/08/21	
ND	0.0250	1	12/07/21	12/08/21	
	95.9 %	70-130	12/07/21	12/08/21	
mg/kg	mg/kg	Analyst: RKS		Batch: 2150017	
ND	20.0	1	12/07/21	12/08/21	
	95.4 %	70-130	12/07/21	12/08/21	
mg/kg	mg/kg	Analy	st: JL		Batch: 2150019
74.2	25.0	1	12/08/21	12/08/21	
72.7	50.0	1	12/08/21	12/08/21	
	106 %	50-200	12/08/21	12/08/21	
		A 1	at. IV		Batch: 2150018
mg/kg	mg/kg	Analy	St. 11		Batch: 2130018
	mg/kg ND The state of the stat	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         0.0250           MD         20.0250           MB/kg         mg/kg           MB/kg         mg/kg           MB/kg         mg/kg           74.2         25.0           72.7         50.0	Result         Limit         Dilution           mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           95.9 %         70-130           mg/kg         mg/kg         Analy           ND         20.0         1           95.4 %         70-130           mg/kg         mg/kg         Analy           74.2         25.0         1           72.7         50.0         1	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         12/07/21           ND         0.0250         1         12/07/21           ND         0.0250         1         12/07/21           ND         0.0250         1         12/07/21           ND         0.0500         1         12/07/21           ND         0.0250         1         12/07/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         12/07/21           mg/kg         mg/kg         Analyst: JL           mg/kg         mg/kg         Analyst: JL           74.2         25.0         1         12/08/21           72.7         50.0         1         12/08/21	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         12/07/21         12/08/21           ND         0.0250         1         12/07/21         12/08/21           ND         0.0250         1         12/07/21         12/08/21           ND         0.0500         1         12/07/21         12/08/21           ND         0.0250         1         12/07/21         12/08/21           ND         0.0250         1         12/07/21         12/08/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         12/07/21         12/08/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         12/07/21         12/08/21           mg/kg         mg/kg         Analyst: JL           mg/kg         mg/kg         Analyst: JL           74.2         25.0         1         12/08/21         12/08/21           72.7         50.0         1         12/08/21         12/08/21



Tap Rock	Project Name:	Jackson 029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/8/2021 5:41:23PM

#### SW 9

	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: RKS		Batch: 2150017
ND	0.0250	1	12/07/21	12/08/21	
ND	0.0250	1	12/07/21	12/08/21	
ND	0.0250	1	12/07/21	12/08/21	
ND	0.0250	1	12/07/21	12/08/21	
ND	0.0500	1	12/07/21	12/08/21	
ND	0.0250	1	12/07/21	12/08/21	
	97.3 %	70-130	12/07/21	12/08/21	
mg/kg	mg/kg	Analy	Analyst: RKS		Batch: 2150017
ND	20.0	1	12/07/21	12/08/21	
	94.7 %	70-130	12/07/21	12/08/21	
mg/kg	mg/kg	Analy	st: JL		Batch: 2150019
66.6	25.0	1	12/08/21	12/08/21	
56.5	50.0	1	12/08/21	12/08/21	
	105.0/	50-200	12/08/21	12/08/21	
	105 %	30-200	12/00/21	12/00/21	
mg/kg	103 % mg/kg	Analy		12/00/21	Batch: 2150018
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         97.3 %           mg/kg         mg/kg           ND         20.0           94.7 %         mg/kg           mg/kg         mg/kg           66.6         25.0	Result         Limit         Dilution           mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         20.0250         1           Mg/kg         mg/kg         Analy           MD         20.0         1           mg/kg         mg/kg         Analy           mg/kg         mg/kg         Analy           66.6         25.0         1	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         12/07/21           ND         0.0250         1         12/07/21           ND         0.0250         1         12/07/21           ND         0.0250         1         12/07/21           ND         0.0500         1         12/07/21           ND         0.0250         1         12/07/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         12/07/21           mg/kg         mg/kg         Analyst: JL           mg/kg         mg/kg         Analyst: JL	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         12/07/21         12/08/21           ND         0.0250         1         12/07/21         12/08/21           ND         0.0250         1         12/07/21         12/08/21           ND         0.0500         1         12/07/21         12/08/21           ND         0.0250         1         12/07/21         12/08/21           ND         0.0250         1         12/07/21         12/08/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         12/07/21         12/08/21           mg/kg         mg/kg         Analyst: RKS           mg/kg         mg/kg         Analyst: JL           66.6         25.0         1         12/08/21         12/08/21



Tap Rock	Project Name:	Jackson 029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/8/2021 5:41:23PM

#### SW 10

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: RKS		Batch: 2150017
Benzene	ND	0.0250	1	12/07/21	12/08/21	
Ethylbenzene	ND	0.0250	1	12/07/21	12/08/21	
Toluene	ND	0.0250	1	12/07/21	12/08/21	
o-Xylene	ND	0.0250	1	12/07/21	12/08/21	
p,m-Xylene	ND	0.0500	1	12/07/21	12/08/21	
Total Xylenes	ND	0.0250	1	12/07/21	12/08/21	
Surrogate: 4-Bromochlorobenzene-PID		97.5 %	70-130	12/07/21	12/08/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	Analyst: RKS		Batch: 2150017
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/07/21	12/08/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.8 %	70-130	12/07/21	12/08/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: JL		Batch: 2150019
Diesel Range Organics (C10-C28)	ND	25.0	1	12/08/21	12/08/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/08/21	12/08/21	
Surrogate: n-Nonane		108 %	50-200	12/08/21	12/08/21	
	mg/kg	mg/kg	Analy	rst: IY		Batch: 2150018
Anions by EPA 300.0/9056A	mg/kg	mg kg				



Tap Rock	Project Name:	Jackson 029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/8/2021 5:41:23PM

#### SW 11

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: RKS		Batch: 2150017
Benzene	ND	0.0250	1	12/07/21	12/08/21	
Ethylbenzene	ND	0.0250	1	12/07/21	12/08/21	
Toluene	ND	0.0250	1	12/07/21	12/08/21	
o-Xylene	ND	0.0250	1	12/07/21	12/08/21	
p,m-Xylene	ND	0.0500	1	12/07/21	12/08/21	
Total Xylenes	ND	0.0250	1	12/07/21	12/08/21	
Surrogate: 4-Bromochlorobenzene-PID		97.1 %	70-130	12/07/21	12/08/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: RKS		Batch: 2150017
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/07/21	12/08/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.4 %	70-130	12/07/21	12/08/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2150019
Diesel Range Organics (C10-C28)	ND	25.0	1	12/08/21	12/08/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/08/21	12/08/21	
Surrogate: n-Nonane		109 %	50-200	12/08/21	12/08/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2150018
<del></del>	140	20.0		12/08/21	12/08/21	



Tap Rock	Project Name:	Jackson 029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/8/2021 5:41:23PM

#### SW 12

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: RKS		Batch: 2150017
Benzene	ND	0.0250	1	12/07/21	12/08/21	
Ethylbenzene	ND	0.0250	1	12/07/21	12/08/21	
Toluene	ND	0.0250	1	12/07/21	12/08/21	
o-Xylene	ND	0.0250	1	12/07/21	12/08/21	
p,m-Xylene	ND	0.0500	1	12/07/21	12/08/21	
Total Xylenes	ND	0.0250	1	12/07/21	12/08/21	
Surrogate: 4-Bromochlorobenzene-PID		93.7 %	70-130	12/07/21	12/08/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: RKS		Batch: 2150017
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/07/21	12/08/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.8 %	70-130	12/07/21	12/08/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2150019
Diesel Range Organics (C10-C28)	43.5	25.0	1	12/08/21	12/08/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/08/21	12/08/21	
Surrogate: n-Nonane		105 %	50-200	12/08/21	12/08/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2150018
· · · · · · · · · · · · · · · · · · ·	432	20.0		12/08/21	12/08/21	



Tap Rock	Project Name:	Jackson 029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/8/2021 5:41:23PM

#### COMP 8

		E112030-09				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2150017
Benzene	ND	0.0250	1	12/07/21	12/08/21	
Ethylbenzene	ND	0.0250	1	12/07/21	12/08/21	
Toluene	ND	0.0250	1	12/07/21	12/08/21	
o-Xylene	ND	0.0250	1	12/07/21	12/08/21	
p,m-Xylene	ND	0.0500	1	12/07/21	12/08/21	
Total Xylenes	ND	0.0250	1	12/07/21	12/08/21	
Surrogate: 4-Bromochlorobenzene-PID		94.7 %	70-130	12/07/21	12/08/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2150017
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/07/21	12/08/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.4 %	70-130	12/07/21	12/08/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2150019
Diesel Range Organics (C10-C28)	42.0	25.0	1	12/08/21	12/08/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/08/21	12/08/21	
Surrogate: n-Nonane		105 %	50-200	12/08/21	12/08/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2150018
Chloride	185	20.0	1	12/08/21	12/08/21	



Tap Rock	Project Name:	Jackson 029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/8/2021 5:41:23PM

#### COMP 29

		E112030-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2150017
Benzene	ND	0.0250	1	12/07/21	12/08/21	
Ethylbenzene	ND	0.0250	1	12/07/21	12/08/21	
Toluene	ND	0.0250	1	12/07/21	12/08/21	
o-Xylene	ND	0.0250	1	12/07/21	12/08/21	
p,m-Xylene	ND	0.0500	1	12/07/21	12/08/21	
Total Xylenes	ND	0.0250	1	12/07/21	12/08/21	
Surrogate: 4-Bromochlorobenzene-PID		95.7 %	70-130	12/07/21	12/08/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150017
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/07/21	12/08/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.8 %	70-130	12/07/21	12/08/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2150019
Diesel Range Organics (C10-C28)	ND	25.0	1	12/08/21	12/08/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/08/21	12/08/21	
Surrogate: n-Nonane		108 %	50-200	12/08/21	12/08/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2150018
Chloride	67.3	20.0	1	12/08/21	12/08/21	



Tap Rock	Project Name:	Jackson 029	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/8/2021 5:41:23PM

#### Comp 37 4' E112030-11

		E112030-11				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Maryo	Result	Liiiit	Dilution	Trepared	Maryzea	rotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2150017
Benzene	ND	0.0250	1	12/07/21	12/08/21	
Ethylbenzene	ND	0.0250	1	12/07/21	12/08/21	
Toluene	ND	0.0250	1	12/07/21	12/08/21	
o-Xylene	ND	0.0250	1	12/07/21	12/08/21	
p,m-Xylene	ND	0.0500	1	12/07/21	12/08/21	
Total Xylenes	ND	0.0250	1	12/07/21	12/08/21	
Surrogate: 4-Bromochlorobenzene-PID		97.4 %	70-130	12/07/21	12/08/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2150017
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/07/21	12/08/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.2 %	70-130	12/07/21	12/08/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2150019
Diesel Range Organics (C10-C28)	33.6	25.0	1	12/08/21	12/08/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/08/21	12/08/21	
Surrogate: n-Nonane		113 %	50-200	12/08/21	12/08/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2150018
Chloride	104	20.0	1	12/08/21	12/08/21	



Jackson 029 Tap Rock Project Name: Reported: 7 W. Compress Road Project Number: 20046-0001 Artesia NM, 88210 Project Manager: Natalie Gladden 12/8/2021 5:41:23PM **Volatile Organics by EPA 8021B** Analyst: RKS Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2150017-BLK1) Prepared: 12/07/21 Analyzed: 12/08/21 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.64 8.00 95.5 70-130 LCS (2150017-BS1) Prepared: 12/07/21 Analyzed: 12/08/21 4.82 96.4 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.88 0.0250 5.00 97.6 70-130 5.09 0.0250 5.00 102 70-130 Toluene o-Xylene 4.84 0.0250 5.00 96.8 70-130 9.86 10.0 98.6 70-130 0.0500 p.m-Xvlene 98.0 70-130 14.7 15.0 Total Xylenes 0.0250 8.00 97.0 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.76 Matrix Spike (2150017-MS1) Source: E112030-01 Prepared: 12/07/21 Analyzed: 12/08/21 4.80 0.0250 5.00 ND 96.0 54-133 Benzene ND 97.1 61-133 Ethylbenzene 4.85 0.0250 5.00 Toluene 5.07 0.0250 5.00 ND 101 61-130 4.79 ND 95.9 63-131 5.00 0.0250 o-Xylene p,m-Xylene 9.81 0.0500 10.0 ND 98.1 63-131 14.6 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.47 8.00 Matrix Spike Dup (2150017-MSD1) Source: E112030-01 Prepared: 12/07/21 Analyzed: 12/08/21 4.85 0.0250 5.00 ND 54-133 1.00 61-133 4.91 0.0250 5.00 ND 98.1 1.05 20 Ethylbenzene 61-130 Toluene 5.12 0.0250 5.00 ND 102 0.911 20 4.85 5.00 ND 97.0 63-131 1.13 20 o-Xylene 0.0250 99.2 9.92 10.0 ND 63-131 1.09 20 p,m-Xylene 0.0500 Total Xylenes 14.8 0.0250 15.0 ND 98.4 63-131 1.11 20

8.00

95.0

70-130



Surrogate: 4-Bromochlorobenzene-PID

7.60

Tap Rock	Project Name:	Jackson 029	Reported:
7 W. Compress Road	Project Number:	20046-0001	·
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/8/2021 5:41:23PM

Artesia NM, 88210		Project Manage	r: Na	talie Gladder	1				12/8/2021 5:41:23PM
	Non		Analyst: RKS						
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	t
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2150017-BLK1)							Prepared:	12/07/21	Analyzed: 12/08/21
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.22		8.00		103	70-130			
LCS (2150017-BS2)							Prepared:	12/07/21	Analyzed: 12/08/21
Gasoline Range Organics (C6-C10)	46.1	20.0	50.0		92.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.18		8.00		102	70-130			
Matrix Spike (2150017-MS2)				Source:	E112030-0	)1	Prepared:	12/07/21	Analyzed: 12/08/21
Gasoline Range Organics (C6-C10)	48.4	20.0	50.0	ND	96.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.27		8.00		103	70-130			
Matrix Spike Dup (2150017-MSD2)				Source:	E112030-0	)1	Prepared:	12/07/21	Analyzed: 12/08/21
Gasoline Range Organics (C6-C10)	47.7	20.0	50.0	ND	95.3	70-130	1.56	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.28		8.00		104	70-130			

Tap Rock	Project Name:	Jackson 029	Reported:
7 W. Compress Road	Project Number:	20046-0001	•
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/8/2021 5:41:23PM

Artesia NM, 88210		Project Manage	r: N	atalie Gladden					12/8/2021 5:41:23PM
	Nonha	logenated Or	ganics by	EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2150019-BLK1)							Prepared:	12/08/21	Analyzed: 12/08/21
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 (2150019-BS1)							Prepared:	12/08/21	Analyzed: 12/08/21
Diesel Range Organics (C10-C28)	484	25.0	500		96.9	38-132			
Surrogate: n-Nonane	63.9		50.0		128	50-200			
Matrix Spike (2150019-MS1)				Source: 1	E112030-0	)3	Prepared:	12/08/21	Analyzed: 12/08/21
Diesel Range Organics (C10-C28)	484	25.0	500	ND	96.7	38-132			
Surrogate: n-Nonane	63.1		50.0		126	50-200			
Matrix Spike Dup (2150019-MSD1)				Source: 1	E112030-0	)3	Prepared:	12/08/21	Analyzed: 12/08/21
Diesel Range Organics (C10-C28)	478	25.0	500	ND	95.5	38-132	1.26	20	
Surrogate: n-Nonane	63.1		50.0		126	50-200			



Tap Rock		Project Name:		ickson 029		·			Re	ported:
7 W. Compress Road		Project Number:		0046-0001					12/8/202	1 5:41:23PM
Artesia NM, 88210		Project Manager:	N	atalie Gladden					12/8/202	1 5:41:23PM
		Anions	by EPA	300.0/9056A					Analy	yst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%		Notes
Blank (2150018-BLK1)							Prepared:	12/08/21	Analyzed:	12/08/21
Chloride	ND	20.0								
LCS (2150018-BS1)							Prepared:	12/08/21	Analyzed:	12/08/21
Chloride	247	20.0	250		98.7	90-110				
Matrix Spike (2150018-MS1)				Source: F	E112030-0	)1	Prepared:	12/08/21	Analyzed:	12/08/21
Chloride	909	20.0	250	887	8.86	80-120				M2
Matrix Spike Dup (2150018-MSD1)				Source: F	E112030-0	)1	Prepared:	12/08/21	Analyzed:	12/08/21
Chloride	1060	20.0	250	887	70.4	80-120	15.6	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 029	
-	7 W. Compress Road	Project Number:	20046-0001	Reported:
	Artesia NM, 88210	Project Manager:	Natalie Gladden	12/08/21 17:41

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

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.



Client:	raprock				2		7/41/2	Bill To				La	ab Us	se Or	nly					TA	T		EPA F	rogram
	Jackson					Atter	ntion: ESS			Lab	WO#	†		Job	Num	ber		1D	2D	3D	Sta	ndard	CWA	SDWA
Project N						Addr	ess:			EI	120	30			046				×					
Address:								10665, NM						Anal	ysis a	nd M	ethoc	1						RCRA
City, Stat	e, Zip					Phon																		
Phone:						Emai	1: Natalie			8015	8015						(500						State	
Email:										by 8	by 8	170	09	0.	0.00	20	EQ 1(				Į	NM CO	UT AZ	TX
Report d	ue by:	_				N.				88	SRO RO	)y 8C	/ 82	601	Je 3(	)d9	ı (TC					$\times$		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID					Lab Number	DRO/ORO by	GRO/DRO by	BTEX by 8023	VOC by 8260	Metals 6010	Chloride 300.0	NM - BGDOC	ТХ - ТРН (ТСЕQ 1005)						Remarks	
	12/2/21	S	1	SW	5				1							X								
	(		(	SW 6	)				2							5								ľ
				SWT	7				3							~								
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		}	1	Comp	29	}			10							1								
Addition	al Instructio	ns:							,															
	oler), attest to the						pering with or inter	ntionally mislabelling the	e sample locat	ion,				10,70								ce the day the obsequent day		or received
Relingutsh	ed by: (Signatur	re)	Date 12	-2-21	Time 3:40		Received by: (Sign	-16	12.6.		Time /	205	5	Rece	eived	on i	e:	La (y	b Us	e Onl	У			
7	ed by: (Signatu	1-	Date /Z	.7.21	Time 153	0	Received by: (Sign	Nistray	Date 12/7/6	21	Time 15	: 35	5	T1				Ū				ГЗ		
Relinquish	ed by: (Signatur	re)	Date		Time	F	Received by (Sign	nature)	Date	•	Time			AVG	Tem	p°C								
Sample Mat	rix: <b>S</b> - Soil, <b>Sd</b> - S	olid, <b>Sg</b> - Sluc	ige, <b>A</b> - Aque	ous, <b>O</b> - Other					Container	Type	: g - g	lass,			CHARLES TO STATE OF THE PARTY O			r glas	s, v -	VOA				
	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. Hazardo			made. Hazardous sa													ort fo	r the analy	sis of the	above				
								ty of the laboratory i																



Project Information	Chain of Cust	ody												Pa	ge <u>2</u>	_of_ <u>2</u>
Client: Taprock  Project: Jackbon Uni+ #29  Project Manager:	Bill To Attention: Mataly e Address:		ab WC			Job N	umb			1D	2D.	TAT	<b>T</b> Standa	rd	EPA P	rogram SDWA
Address: City, State, Zip Phone:	City, State, Zip Holls, Nan 88 240 Phone: Email: Notel			T		Analys		d Met	thod		/\				State	RCRA
Email: Report due by:			DRU/URU BY SULS GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM - BGDOC	ТХ - ТРН (ТСЕQ 1005)				NM X	CO (	JT AZ	TX
Time Sampled Date Sampled Matrix No. of Containers Sample ID	Nu	mber	GRO/I	BTEX	VOCb	Metal	Chlori	N N	TX - TP					F	Remarks	
17/2/71 S 1 Comp	37 4'	1	-		×.		- 1	X								
			-				-	+			+	+	-			
							+	+			+	+				
							+									
	April 2															
								_								
Additional Instructions:																
, (field sampler), attest to the validity and authenticity of this sample. I a		le location,	8										ed on ice the 'C on subsequ	S 55	re sampled	or received
date or time of collection is considered fraud and may be grounds for legal Relinquished by (Signature)  Date  Time  17 - 7 - 7   17 - 7 - 7   18   17 - 7 - 7   18   18   18   18   18   18   18	Received by: Signature / Date	2.6.2	Tim	e 120		THOU ST	System			La	b Use	Only		ent days.		
Refinquished by: (Signature)  Relinquished by: (Signature)  Date  Tim  12 7 7 7    Relinquished by: (Signature)  Date	1530 Cartin Chiting 12	17/21	Tim	5:35		<u>T1</u>				T2			<u>T3</u>			
						AVG 1			4					a constant		
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Note: Samples are discarded 30 days after results are reported i		tainer Ty														



envirotech Inc.

Printed: 12/8/2021 2:38:44PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

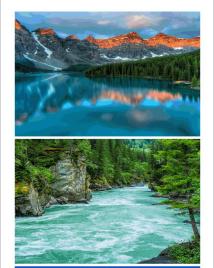
Client:	Tap Rock	Date Received:	12/07/21	16:36		Work Order ID:	E112030
Phone:	(575) 390-6397	Date Logged In:	12/07/21	16:36		Logged In By:	Jessica Liesse
Email:	natalie@energystaffingllc.com	Due Date:		17:00 (1 day TAT)		88	
Chain of	Custody (COC)						
1. Does th	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location mat	tch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: 1	Lab Carrier		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were al	Il samples received within holding time?	•	Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.					Comment	s/Resolution
Sample T	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>Cooler</u>						
7. Was a s	sample cooler received?		Yes				
8. If yes, v	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
	were custody/security seals intact?		NA				
•	e sample received on ice? If yes, the recorded temp is 4°C,	ia 6°±2°C					
12. was un	Note: Thermal preservation is not required, if samples are minutes of sampling		Yes				
13. If no v	risible ice, record the temperature.  Actual sample	temperature: 4°0	<u>C</u>				
Sample C	<u>Container</u>						
14. Are ac	queous VOC samples present?		No				
15. Are V	OC samples collected in VOA Vials?		NA				
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	trip blank (TB) included for VOC analyses?		NA				
18. Are no	on-VOC samples collected in the correct containers'	?	Yes				
19. Is the a	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lab	<u>oel</u>						
20. Were	field sample labels filled out with the minimum info	ormation:					
Sa	ample ID?		Yes				
	ate/Time Collected?		Yes				
	ollectors name?		No				
	reservation	10					
	the COC or field labels indicate the samples were pr	reserved?	No				
	ample(s) correctly preserved?	. 1.0	NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
	se Sample Matrix						
26. Does t	the sample have more than one phase, i.e., multipha	se?	No				
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
	imples required to get sent to a subcontract laborator	ry?	No				
	subcontract laboratory specified by the client and it	•	NA	Subcontract La	b:		
	struction						
CHERTIN	isti uction						

Date

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

Report to:

Natalie Gladden







5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

## **Analytical Report**

Tap Rock

Project Name: Jackson 29

Work Order: E112097

Job Number: 20046-0001

Received: 12/29/2021

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 12/29/21

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. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 12/29/21

Natalie Gladden 7 W. Compress Road Artesia, NM 88210

Project Name: Jackson 29 Workorder: E112097

Date Received: 12/29/2021 8:35:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/29/2021 8:35:00AM, under the Project Name: Jackson 29.

The analytical test results summarized in this report with the Project Name: Jackson 29 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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## **Sample Summary**

Tap Rock	Project Name:	Jackson 29	Reported:
7 W. Compress Road	Project Number:	20046-0001	Reporteu:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/29/21 18:15

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW 5 East	E112097-01A	Soil	12/23/21	12/29/21	Glass Jar, 4 oz.
SW 5	E112097-02A	Soil	12/23/21	12/29/21	Glass Jar, 4 oz.
SW 5 North East Corner	E112097-03A	Soil	12/23/21	12/29/21	Glass Jar, 4 oz.
SW 8 North	E112097-04A	Soil	12/23/21	12/29/21	Glass Jar, 4 oz.
SW 8 West	E112097-05A	Soil	12/23/21	12/29/21	Glass Jar, 4 oz.
SW 8 South	E112097-06A	Soil	12/23/21	12/29/21	Glass Jar, 4 oz.
SW 9 North	E112097-07A	Soil	12/23/21	12/29/21	Glass Jar, 4 oz.
SW 9 West	E112097-08A	Soil	12/23/21	12/29/21	Glass Jar, 4 oz.
SW 9 South	E112097-09A	Soil	12/23/21	12/29/21	Glass Jar, 4 oz.

Tap Rock	Project Name:	Jackson 29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/29/2021 6:15:02PM

#### SW 5 East E112097-01

		E112097-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Tillalyce	Result	Liiiit	Dilution	Trepared	Maryzed	Tioles
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	/st: IY		Batch: 2153019
Benzene	ND	0.0250	1	12/29/21	12/29/21	
Ethylbenzene	ND	0.0250	1	12/29/21	12/29/21	
Toluene	ND	0.0250	1	12/29/21	12/29/21	
o-Xylene	ND	0.0250	1	12/29/21	12/29/21	
p,m-Xylene	ND	0.0500	1	12/29/21	12/29/21	
Total Xylenes	ND	0.0250	1	12/29/21	12/29/21	
Surrogate: 4-Bromochlorobenzene-PID		96.2 %	70-130	12/29/21	12/29/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: IY		Batch: 2153019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/21	12/29/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.5 %	70-130	12/29/21	12/29/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	/st: KL		Batch: 2153021
Diesel Range Organics (C10-C28)	ND	25.0	1	12/29/21	12/29/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/29/21	12/29/21	
Surrogate: n-Nonane		108 %	50-200	12/29/21	12/29/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: GB		Batch: 2153020
Chloride	50.5	20.0	1	12/29/21	12/29/21	



Tap Rock	Project Name:	Jackson 29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/29/2021 6:15:02PM

#### SW 5

#### E112097-02

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2153019
Benzene	ND	0.0250	1	12/29/21	12/29/21	
Ethylbenzene	ND	0.0250	1	12/29/21	12/29/21	
Toluene	ND	0.0250	1	12/29/21	12/29/21	
o-Xylene	ND	0.0250	1	12/29/21	12/29/21	
p,m-Xylene	ND	0.0500	1	12/29/21	12/29/21	
Total Xylenes	ND	0.0250	1	12/29/21	12/29/21	
Surrogate: 4-Bromochlorobenzene-PID		94.0 %	70-130	12/29/21	12/29/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2153019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/21	12/29/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.9 %	70-130	12/29/21	12/29/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KL		Batch: 2153021
Diesel Range Organics (C10-C28)	ND	25.0	1	12/29/21	12/29/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/29/21	12/29/21	
Surrogate: n-Nonane		99.5 %	50-200	12/29/21	12/29/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: GB		Batch: 2153020
Chloride	25.0	20.0	1	12/29/21	12/29/21	<u> </u>

Tap Rock	Project Name: Jackson 29	
7 W. Compress Road	Project Number: 20046-0001	Reported:
Artesia NM, 88210	Project Manager: Natalie Gladden	12/29/2021 6:15:02PM

#### **SW 5 North East Corner**

#### E112097-03

12/29/21 12/29/21 12/29/21 12/29/21 12/29/21 12/29/21 12/29/21	Notes  Batch: 2153019
12/29/21 12/29/21 12/29/21 12/29/21 12/29/21	
12/29/21 12/29/21 12/29/21 12/29/21	Batch: 2153019
12/29/21 12/29/21 12/29/21 12/29/21	
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12/29/21	
12/29/21	
	Batch: 2153019
12/29/21	
12/29/21	
	Batch: 2153021
12/29/21	
12/29/21	
12/29/21	
	Batch: 2153020
12/29/21	
<u> </u>	12/29/21 12/29/21 12/29/21 12/29/21



Tap Rock	Project Name:	Jackson 29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/29/2021 6:15:02PM

## SW 8 North

		E112097-04				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2153019
Benzene	ND	0.0250	1	12/29/21	12/29/21	
Ethylbenzene	ND	0.0250	1	12/29/21	12/29/21	
Toluene	ND	0.0250	1	12/29/21	12/29/21	
o-Xylene	ND	0.0250	1	12/29/21	12/29/21	
p,m-Xylene	ND	0.0500	1	12/29/21	12/29/21	
Total Xylenes	ND	0.0250	1	12/29/21	12/29/21	
Surrogate: 4-Bromochlorobenzene-PID		97.9 %	70-130	12/29/21	12/29/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2153019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/21	12/29/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.6 %	70-130	12/29/21	12/29/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: KL		Batch: 2153021
Diesel Range Organics (C10-C28)	ND	25.0	1	12/29/21	12/29/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/29/21	12/29/21	
Surrogate: n-Nonane		102 %	50-200	12/29/21	12/29/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: GB		Batch: 2153020
Chloride	23.3	20.0	1	12/29/21	12/29/21	



Tap Rock	Project Name:	Jackson 29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/29/2021 6:15:02PM

#### SW 8 West

		E112097-05				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2153019
Benzene	ND	0.0250	1	12/29/21	12/29/21	
Ethylbenzene	ND	0.0250	1	12/29/21	12/29/21	
Toluene	ND	0.0250	1	12/29/21	12/29/21	
o-Xylene	ND	0.0250	1	12/29/21	12/29/21	
p,m-Xylene	ND	0.0500	1	12/29/21	12/29/21	
Total Xylenes	ND	0.0250	1	12/29/21	12/29/21	
Surrogate: 4-Bromochlorobenzene-PID		97.0 %	70-130	12/29/21	12/29/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2153019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/21	12/29/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.8 %	70-130	12/29/21	12/29/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KL		Batch: 2153021
Diesel Range Organics (C10-C28)	ND	25.0	1	12/29/21	12/29/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/29/21	12/29/21	
Surrogate: n-Nonane		102 %	50-200	12/29/21	12/29/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: GB		Batch: 2153020
Chloride	20.7	20.0	1	12/29/21	12/29/21	



Tap Rock	Project Name:	Jackson 29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/29/2021 6:15:02PM

### SW 8 South

		E112097-06				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	nalyst: IY		Batch: 2153019
Benzene	ND	0.0250	1	12/29/21	12/29/21	
Ethylbenzene	ND	0.0250	1	12/29/21	12/29/21	
Toluene	ND	0.0250	1	12/29/21	12/29/21	
o-Xylene	ND	0.0250	1	12/29/21	12/29/21	
p,m-Xylene	ND	0.0500	1	12/29/21	12/29/21	
Total Xylenes	ND	0.0250	1	12/29/21	12/29/21	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	12/29/21	12/29/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	nalyst: IY		Batch: 2153019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/21	12/29/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.8 %	70-130	12/29/21	12/29/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	nalyst: KL		Batch: 2153021
Diesel Range Organics (C10-C28)	318	25.0	1	12/29/21	12/29/21	
Oil Range Organics (C28-C36)	154	50.0	1	12/29/21	12/29/21	
Surrogate: n-Nonane		98.0 %	50-200	12/29/21	12/29/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	nalyst: GB		Batch: 2153020
Chloride	83.7	20.0	1	12/29/21	12/29/21	



Tap Rock	Project Name:	Jackson 29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/29/2021 6:15:02PM

### SW 9 North

		E112097-07				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2153019
Benzene	ND	0.0250	1	12/29/21	12/29/21	
Ethylbenzene	ND	0.0250	1	12/29/21	12/29/21	
Toluene	ND	0.0250	1	12/29/21	12/29/21	
o-Xylene	ND	0.0250	1	12/29/21	12/29/21	
p,m-Xylene	ND	0.0500	1	12/29/21	12/29/21	
Total Xylenes	ND	0.0250	1	12/29/21	12/29/21	
Surrogate: 4-Bromochlorobenzene-PID		95.2 %	70-130	12/29/21	12/29/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2153019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/21	12/29/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	12/29/21	12/29/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KL		Batch: 2153021
Diesel Range Organics (C10-C28)	ND	25.0	1	12/29/21	12/29/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/29/21	12/29/21	
Surrogate: n-Nonane		97.7 %	50-200	12/29/21	12/29/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: GB		Batch: 2153020
Chloride	45.2	20.0	1	12/29/21	12/29/21	



Tap Rock	Project Name:	Jackson 29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/29/2021 6:15:02PM

#### SW 9 West

#### E112097-08

		D				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Result	Limit	Dilution	1 repared	Analyzeu	ivotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: IY		Batch: 2153019
Benzene	ND	0.0250	1	12/29/21	12/29/21	
Ethylbenzene	ND	0.0250	1	12/29/21	12/29/21	
Toluene	ND	0.0250	1	12/29/21	12/29/21	
o-Xylene	ND	0.0250	1	12/29/21	12/29/21	
p,m-Xylene	ND	0.0500	1	12/29/21	12/29/21	
Total Xylenes	ND	0.0250	1	12/29/21	12/29/21	
Surrogate: 4-Bromochlorobenzene-PID		96.5 %	70-130	12/29/21	12/29/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: IY		Batch: 2153019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/21	12/29/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	12/29/21	12/29/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KL		Batch: 2153021
Diesel Range Organics (C10-C28)	209	25.0	1	12/29/21	12/29/21	
Oil Range Organics (C28-C36)	106	50.0	1	12/29/21	12/29/21	
Surrogate: n-Nonane		104 %	50-200	12/29/21	12/29/21	
A EDA 200 0/005CA	mg/kg	mg/kg	Analy	yst: GB		Batch: 2153020
Anions by EPA 300.0/9056A	<u> </u>					



Tap Rock	Project Name:	Jackson 29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/29/2021 6:15:02PM

### SW 9 South

		E112097-09							
Reporting									
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes			
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2153019			
Benzene	ND	0.0250	1	12/29/21	12/29/21				
Ethylbenzene	ND	0.0250	1	12/29/21	12/29/21				
Toluene	ND	0.0250	1	12/29/21	12/29/21				
o-Xylene	ND	0.0250	1	12/29/21	12/29/21				
p,m-Xylene	ND	0.0500	1	12/29/21	12/29/21				
Total Xylenes	ND	0.0250	1	12/29/21	12/29/21				
Surrogate: 4-Bromochlorobenzene-PID		96.0 %	70-130	12/29/21	12/29/21				
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2153019			
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/21	12/29/21				
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	12/29/21	12/29/21				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: KL		Batch: 2153021			
Diesel Range Organics (C10-C28)	217	25.0	1	12/29/21	12/29/21				
Oil Range Organics (C28-C36)	115	50.0	1	12/29/21	12/29/21				
Surrogate: n-Nonane		103 %	50-200	12/29/21	12/29/21				
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: GB		Batch: 2153020			
Chloride	93.7	20.0	1	12/29/21	12/29/21				



		QC SI	umma	ry Dat	a				
Tap Rock 7 W. Compress Road		Project Name: Project Number:		ckson 29 046-0001					Reported:
Artesia NM, 88210		Project Manager:	Na	atalie Gladder	ı				12/29/2021 6:15:02PM
		Volatile O	rganics b	y EPA 802	21B				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2153019-BLK1)							Prepared: 12	2/29/21	Analyzed: 12/29/21
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	7.81		8.00		97.7	70-130			
LCS (2153019-BS1)							Prepared: 12	2/29/21	Analyzed: 12/29/21
Benzene	4.68	0.0250	5.00		93.5	70-130			
Ethylbenzene	4.81	0.0250	5.00		96.2	70-130			
Toluene	5.03	0.0250	5.00		101	70-130			
o-Xylene	4.75	0.0250	5.00		95.0	70-130			
o,m-Xylene	9.78	0.0500	10.0		97.8	70-130			
Total Xylenes	14.5	0.0250	15.0		96.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.83		8.00		97.9	70-130			
Matrix Spike (2153019-MS1)				Source:	E112095-0	)1	Prepared: 12	2/29/21	Analyzed: 12/29/21
Benzene	4.83	0.0250	5.00	ND	96.7	54-133			
Ethylbenzene	4.97	0.0250	5.00	ND	99.5	61-133			
Toluene	5.17	0.0250	5.00	ND	103	61-130			
o-Xylene	4.90	0.0250	5.00	ND	98.1	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.0	0.0250	15.0	ND	99.9	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.8	70-130			
Matrix Spike Dup (2153019-MSD1)				Source:	E112095-0	)1	Prepared: 12	2/29/21	Analyzed: 12/29/21
Benzene	4.83	0.0250	5.00	ND	96.6	54-133	0.0859	20	
Ethylbenzene	4.98	0.0250	5.00	ND	99.7	61-133	0.192	20	
Toluene	5.17	0.0250	5.00	ND	103	61-130	0.00774	20	
o-Xylene	4.91	0.0250	5.00	ND	98.2	63-131	0.164	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	0.0733	20	
Total Xylenes	15.0	0.0250	15.0	ND	100	63-131	0.103	20	



70-130

Surrogate: 4-Bromochlorobenzene-PID

Tap Rock	Project Name:	Jackson 29	Reported:
7 W. Compress Road	Project Number:	20046-0001	·
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/29/2021 6:15:02PM

Artesia NM, 88210		Project Manage	r: Na	talie Gladder	1			1	2/29/2021 6:15:02PN
	Non	halogenated	Organics l	by EPA 80	15D - GI	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2153019-BLK1)							Prepared: 12	2/29/21 Ar	nalyzed: 12/29/21
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.27		8.00		103	70-130			
LCS (2153019-BS2)							Prepared: 12	2/29/21 Ar	nalyzed: 12/29/21
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0		93.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.26		8.00		103	70-130			
Matrix Spike (2153019-MS2)				Source:	E112095-0	)1	Prepared: 12	2/29/21 Ar	nalyzed: 12/29/21
Gasoline Range Organics (C6-C10)	45.3	20.0	50.0	ND	90.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.33		8.00		104	70-130			
Matrix Spike Dup (2153019-MSD2)				Source:	E112095-0	)1	Prepared: 12	2/29/21 Ar	nalyzed: 12/29/21
Gasoline Range Organics (C6-C10)	45.5	20.0	50.0	ND	91.0	70-130	0.394	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.30		8.00		104	70-130			

Tap Rock	Project Name:	Jackson 29	Reported:
7 W. Compress Road	Project Number:	20046-0001	·
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/29/2021 6:15:02PM

Artesia NM, 88210		Project Manage	r: N	atalie Gladden					12/29/2021 6:15:02PM
	Nonha	logenated Or	ganics by	EPA 8015D	- DRO	/ORO			Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2153021-BLK1)							Prepared:	12/29/21	Analyzed: 12/29/21
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.7		50.0		107	50-200			
LCS (2153021-BS1)							Prepared:	12/29/21	Analyzed: 12/29/21
Diesel Range Organics (C10-C28)	523	25.0	500		105	38-132			
Surrogate: n-Nonane	53.9		50.0		108	50-200			
Matrix Spike (2153021-MS1)				Source: I	E112096-0	)4	Prepared:	12/29/21	Analyzed: 12/29/21
Diesel Range Organics (C10-C28)	445	25.0	500	ND	89.1	38-132			
Surrogate: n-Nonane	55.3		50.0		111	50-200			
Matrix Spike Dup (2153021-MSD1)				Source: I	E112096-0	)4	Prepared:	12/29/21	Analyzed: 12/29/21
Diesel Range Organics (C10-C28)	442	25.0	500	ND	88.4	38-132	0.705	20	
Surrogate: n-Nonane	54.2		50.0		108	50-200			



Tap Rock 7 W. Compress Road Artesia NM, 88210		Project Name: Project Number: Project Manager:	2	ackson 29 0046-0001 Jatalie Gladden					<b>Reported:</b> 12/29/2021 6:15:02PM
		Anions 1	by EPA	300.0/9056A					Analyst: GB
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limi %	
Blank (2153020-BLK1)							Prepared:	12/29/21	Analyzed: 12/29/21
Chloride	ND	20.0							
LCS (2153020-BS1)							Prepared:	12/29/21	Analyzed: 12/29/21
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2153020-MS1)				Source: E	2112095-0	1	Prepared:	12/29/21	Analyzed: 12/29/21
Chloride	507	20.0	250	273	93.6	80-120			
Matrix Spike Dup (2153020-MSD1)				Source: E	2112095-0	1	Prepared:	12/29/21	Analyzed: 12/29/21
Chloride	515	20.0	250	273	96.6	80-120	1.47	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 29	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/29/21 18:15

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.



Cliont: =	Ταριος	V			917.50	Bill To		E Barrio	ALC: N	la	hH	se Onl		<u>w-c</u>	Y	or C	TA	19/3919	FPΔ P	rogram
Project:	Jacks	00 29	}			Attention: FSS		Lab	WO#	37075		Job N	1	er	1D	2D	(715)	Standard		SDWA
Project N	lanager:					Address: 2427 W County	4 12 8	FI	121	190	7			5000		X				
Address:				(		City, State, Zip Hobos, NM	88240		100			Analys	sis and	d Metho	d				NY SYDAY	RCRA
City, Stat	e, Zip					Phone:	1100	FIT												
Phone:						Email: Natorie		8015	015					lide:					State	
Email:								by 8	by 8	021	09	01	0.00		Σ	×		NM CO	UT AZ	TX
Report d				_			1.4	ORO	DRO	by 8(	y 82	s 60.	de 3		1000000					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	DRO/	GRO/DRO	BTEX by 802.	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC			Remarks	
	12/23		1	SW	5	East									X					
U	5		(	SW	5		2								(					
				SW	5	North East Corner	3								11			-		
	5			SW	8	North	4						8							
	7			SW	8	West	5								1					
	)			SW "		south	6		H											
	5			SW		North	7								1				- W	F- 7
				SW	9	West	8								7					
. Ţ	3		7	SW	9	South	9								1					
	1.		)						-						1					
Addition	al Instruc	tions:																		
				ticity of this sam		aware that tampering with or intentionally mislab	pelling the sample	e locat	jon			Anna Carrier						ceived on ice the day 5 °C on subsequent d		ed or received
	ed by: (Sign	E-E-E-E-E-E-E-E-E-E-E-E-E-E-E-E-E-E-E-	Date		Time	Received by: (Signature)	Date 12/2	27	Time	50	0	Rece	eived	on ice:		ab U	se On	ly		
Relinquish	ed by: (Sign:	iture)	Date		rime 190	Received by: (Signature)	Date	1	Time			T1			T2			<u>T3</u>		
Relinquished by: (Signature)  Date  Time  Received by: (Signature)			Date																	
Sample Ma	trix: <b>S</b> - Soil. <b>S</b> e	d - Solid, Sg	- Sludge, A -	Aqueous, <b>0</b> - Otl	ner		Containe	er Typ	e: g -	glass,	<b>p</b> - p					iss, v	- VOA			
Note: San	ples are disc	arded 30 d	days after r	esults are repo	rted unle	ess other arrangements are made. Hazardo	us samples wil	l be re	turne	d to cl	ient o	r dispo	sed of	at the cli				report for the ar	alysis of the	above
						ory with this COC. The liability of the laborate														

for on the report.

Cenvirotechia

C

Printed: 12/29/2021 11:15:40AM

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Tap Rock	Date Received:	12/29/21 0	08:35	Work C	Order ID:	E112097
Phone:	(575) 390-6397	Date Logged In:	12/28/21 1	6:17	Logged	l In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	12/29/21 1	7:00 (0 day TAT)			
<ol> <li>Does the second of the second o</li></ol>	Custody (COC)  ne sample ID match the COC?  ne number of samples per sampling site location mat  namples dropped off by client or carrier?  e COC complete, i.e., signatures, dates/times, reques  Il samples received within holding time?	sted analyses?	Yes Yes Yes No Yes	Carrier: <u>C</u>	<u>'arrier</u>		
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.	•			<u>(</u>	Comment	s/Resolution
6. Did the	Furn Around Time (TAT)  • COC indicate standard TAT, or Expedited TAT?		Yes		-		ple Matrix was not
Sample C					provided on coc.	•	
	sample cooler received?		Yes				
•	was cooler received in good condition?		Yes				
	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
11. If yes	, were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes C				
	Container	_					
	queous VOC samples present?		No				
15. Are V	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	trip blank (TB) included for VOC analyses?		NA				
18. Are n	on-VOC samples collected in the correct containers'	?	Yes				
19. Is the	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lal	<u>bel</u>						
	field sample labels filled out with the minimum info ample ID?	rmation:	Yes				
	pate/Time Collected?		Yes				
C	ollectors name?		No				
Sample P	<u>Preservation</u>						
21. Does	the COC or field labels indicate the samples were pr	eserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
<u>Multipha</u>	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	se?	No				
27. If yes	, does the COC specify which phase(s) is to be analy	zed?	NA				
28. Are sa	ract Laboratory amples required to get sent to a subcontract laborato	•	No				
29. Was a	subcontract laboratory specified by the client and it	so who?	NA	Subcontract Lab	: na		
Client Ir	<u>nstruction</u>						
Signat	ure of client authorizing changes to the COC or sample dis	position.			Date		envirotech Ir

#### **Natalie Gladden**

From: Hamlet, Robert, EMNRD < Robert. Hamlet@state.nm.us>

Sent: Wednesday, January 12, 2022 10:15 AM

**To:** natalie@energystaffingllc.com; ocdonline, emnrd, EMNRD

**Cc:** 'Christian Combs'; 'Bill Ramsey'; dakoatah@energystaffingllc.com; Bratcher, Mike, EMNRD; Hensley,

Chad, EMNRD; Velez, Nelson, EMNRD; Nobui, Jennifer, EMNRD

**Subject:** (Extension Approval) Tap Rock - Jackson Unit #029H

RE: Incident #NAPP2129151549

#### Natalie,

Your request for an extension to February 15th, 2022 is approved.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau
EMNRD - Oil Conservation Division
811 S. First Street | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/



From: natalie@energystaffingllc.com < natalie@energystaffingllc.com >

Sent: Monday, January 10, 2022 9:33 AM

To: ocdonline, emnrd, EMNRD <EMNRD.OCDOnline@state.nm.us>; Bratcher, Mike, EMNRD

<mike.bratcher@state.nm.us>; Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Hamlet, Robert, EMNRD

<Robert.Hamlet@state.nm.us>

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

Subject: [EXTERNAL] Tap Rock - Jackson Unit #029H - Extension Request

Importance: High

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

All,

The site has been delineated and remediated. We have obtained final closure composite samples and have they have passed the site characterization for this site. Due to unforeseen issues with backfill, we will need to request an extension for the below remediation:

Jackson Unit #029H DOR: 10/15/21

90 Day Deadline: 1/15/21 API No. 30-025-41767

OCD Incident No. nAPP2129151549

Extension Request Date: 2/15/2021

If you have any questions or concerns, please feel free to contact the undersigned. Your patience in this matter is greatly appreciated.

Sincerely,

### Natalie Gladden

Director of Environmental and Regulatory Services Energy Staffing Services, LLC.

2724 NW County Road Hobbs, NM 88240 Cell: 575-390-6397

Email: natalie@energystaffingllc.com





# REMEDIATON PHOTOS JACKSON UNIT #029H











































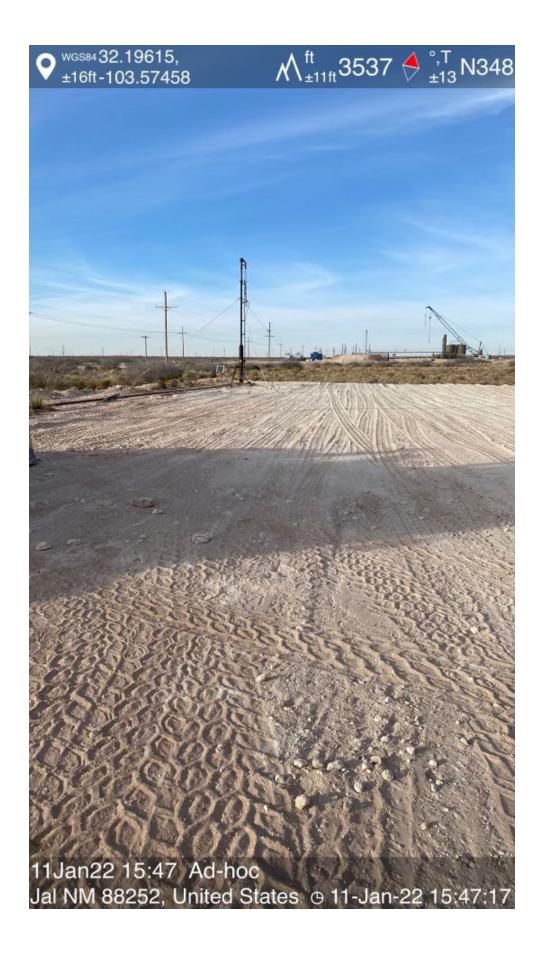


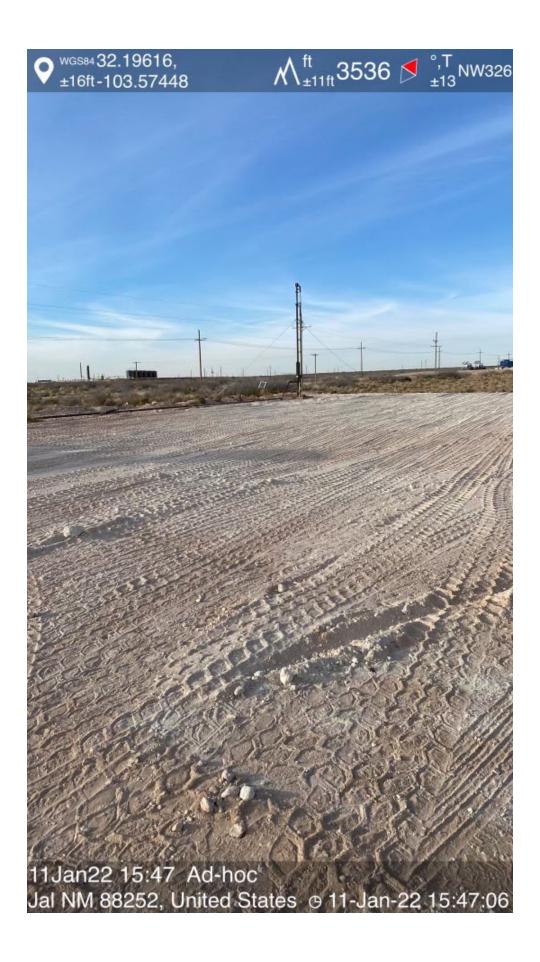




FINAL PHOTOS

JACKSON UNIT #029H









Received by OCD: 2/1/2022 8:26:26 AM

Form C-141

Page 3

### State of New Mexico Oil Conservation Division

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Incident ID	
District RP	
Facility ID	
Application ID	

# Site Assessment/Characterization

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?	<u>&lt;50</u> (ft bgs)					
Did this release impact groundwater or surface water?	☐ Yes ⊠ No					
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No					
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ⊠ No					
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No					
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No					
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No					
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No					
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No					
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No					
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No					
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No					
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	☐ Yes ⊠ No					
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.						
Characterization Report Checklist: Each of the following items must be included in the report.						

Characterization Report Checklist: Each of the following items must be included in the report.
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
<ul> <li>☐ Field data</li> <li>☐ Data table of soil contaminant concentration data</li> </ul>
Depth to water determination
Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
Boring or excavation logs
Photographs including date and GIS information
☐ Topographic/Aerial maps
☐ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Received by OCD: 2/1/2022 8:26:26 AM Form C-141 State of New Mexico Oil Conservation Division Page 4

Received by:

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Incident ID	
District RP	
Facility ID	
Application ID	

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. Title: DIRECTOR OF ENVIRONMENTAL AND REGULATORY Printed Name: Signature: email: natalie@energystaffingllc.com Telephone: 575-390-6397 **OCD Only** 

Date:

Received by OCD: 2/1/2022 8:26:26 AM
Form C-141 State of New Mexico
Page 6 Oil Conservation Division

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Incident ID
District RP
Facility ID
Application ID

### Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
☐ Description of remediation activities
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.  Printed Name: Natalie Gladden
OCD Only
Received by: Date:
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate an remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.
Closure Approved by: Date:
Printed Name: Title:

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 77146

#### **CONDITIONS**

Operator:	OGRID:
TAP ROCK OPERATING, LLC	372043
523 Park Point Drive	Action Number:
Golden, CO 80401	77146
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By	Condition	Condition Date
chensley	Closure approved.	2/22/2022