

State of New Mexico  
Oil Conservation Division

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?	<50 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ 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.

Form C-141

State of New Mexico

Oil Conservation Division

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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.

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

Signature:  Date: 2/27/22

email: natalie@energystaffingllc.com Telephone: 575-390-6397

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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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.*

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ 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 Title: Director of Environmental and RegulatorySignature:  Date: 2/27/22email: natalie@energystaffingllc.com Telephone: 575-390-6397**OCD Only**Received by: Chad Hensley Date: 03/24/2022

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: 03/24/2022Printed Name: Chad Hensley Title: Environmental Specialist Advanced



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**JACKSON UNIT SWD #006  
CLOSURE REQUEST**

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**API NO. 30-025-46126 (CLOSEST WELL HYPERION STATE #141H)  
LEGALS: U/L A, SECTION 21, TOWNSHIP 24S, RANGE 33E  
LEA COUNTY, NEW MEXICO**

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**DATE OF RELEASE: 9/1/2021  
INCIDENT NO. NAPP2124834029**

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**February 27, 2022**

**Prepared by:**



**2724 NW COUNTY ROAD**



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 6 SWD**

**API NO. 30-025-46126 (Closest well to release – Hyperion State #141H)**

**Incident No. NAPP2124834029**

**Unit Letter A, Section 19, 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 6 SWD (hereafter referred to as the “Jackson”) for the produced water release that occurred on September 1, 2021. ESS provided the immediate notification of the release to the New Mexico Oil Conservation Division (NMOCD), District I Office, via email on September 2<sup>nd</sup>, 2021 at 7:52 p.m. (Notification Email 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 September 2<sup>nd</sup>, 2021. The NMOCD accepted the initial C141 as record on September 5<sup>th</sup>, 2021. NMOCD incident for this release is NAPP2124834029.

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 September 1<sup>st</sup>, 2021 it was found that a 4" poly water transfer line coming from the Jackson Unit 6 SWD busted near the NGL Blue Quill Disposal. Once the leak was located, the wells were shut in and vacuum trucks were dispatched to recover the standing fluid.

ESS was notified immediately of the discovery of the release, to conduct a full site assessment of the impacted area. Upon arrival, the release area was mapped out and initial site 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 566.10bbls of produced water was released and 350bbls of produced water was recovered. The impact area was measured at 9,630 sq. ft. Please see the impact map attached herein.

## Site Characterization

The release at the Jackson occurred on state land and is located at 32.208369 latitude and -103.603699 longitude, approximately 25.1 miles northwest of Jal, New Mexico. The legal description for the site is Unit Letter A, Section 19, Township 24 South and Range 33 East. This site is in Lea County, New Mexico. Please see the site map attached.

The Jackson consists of oil and gas production equipment, the release area was found in the pasture behind the NGL Blue Quill SWD. The elevation of the release is 3,535 ft. This area is historically or has been primarily dominated by black grama, other perennial forbs and sand dropseed and other grasses. (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% Ratliff0Wink fine sandy loams. (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 C03565 POD3, which is located 2455' from the site and shows drilled in 2012. This well is listed to have water located at 1,533'bgs. No other data is provided and ground water in this area is not that deep below ground surface. Therefore, this well was not used. The next well is C01932, drilled in 1980 and is 4,076' from the site and shows no groundwater data available. An extended groundwater search was conducted using the *OSE POD Location Mapping System* and it has been determined that, no well exists within a ½ mile radius of the Jackson release. Please find the NMOSE, OSE POD and 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 September 1<sup>st</sup> of 2021, ESS staff was dispatched out to the Jackson, to complete a full site assessment of the release in question. Initial site photos were obtained and the following information was found:

- The release from the buried 4" poly water line had been leaking for some time and finally surfaced.
- The release was located directly behind NGL's "Blue Quill SWD".
- The release was mapped out and measured at 9,630 sq. ft. of surface impact.
- Vacuum trucks were on site recovering volumes and recovery volumes were observed and verified by ESS staff.
- All fluid was released to the pasture area only, in and around other lines from other operators going into the NGL SWD.
- No fluid entered any road area or surface water plays, lakes or other watercourses.
- NGL and Tap Rock Crews were on site to repair the line that caused the release.

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

On September 3rd, of 2021 ESS arrived on site to begin obtaining surface samples and to begin the delineation process. A hydro-vac was dispatched out to spot the numerous surface and buried flowlines and electrical lines in the area of impact. This process took several days. 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 19 sample points and 18 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:

#### **SURFACE SAMPLE LAB ANALYSIS**

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
SP1	SURFACE	1680	TPH	ND	ND	69.7	63	132.7	1830
SP2	SURFACE	7800	TPH	ND	ND	1610	815	2425	7590
SP3	SURFACE	7000	TPH	ND	ND	63.1	53.7	116.8	6670
SP4	SURFACE	16000	ND	ND	ND	ND	ND	ND	16900
SP5	SURFACE	7840	TPH	ND	ND	50.1	57.6	107.7	7990
SP6	SURFACE	400	ND	ND	ND	ND	ND	ND	180
SP7	SURFACE	200	TPH	ND	ND	490	278	768	199
SP8	SURFACE	>4000	TPH	ND	ND	26.3	ND	26.3	10600
SP9	SURFACE	>4000	TPH	ND	ND	163	112	275	6050
SP10	SURFACE	11640	ND	ND	ND	ND	ND	ND	12100
SP11	SURFACE	8240	TPH	ND	ND	248	165	413	8310
SP12	SURFACE	4460	TPH	ND	ND	118	96	214	4580
SP13	SURFACE	9240	TPH	ND	ND	54.5	ND	54.5	9370
SP14	SURFACE	8920	TPH	ND	ND	191	134	325	9100
SP15	SURFACE	16220	ND	ND	ND	ND	ND	ND	16300
SP16	SURFACE	8280	TPH	ND	ND	ND	69.2	69.2	8450
SP17	SURFACE	9840	ND	ND	ND	ND	ND	ND	10000
SP18	SURFACE	80	ND	ND	ND	ND	ND	ND	77
SP19	SURFACE	2320	ND	ND	ND	ND	ND	ND	2320

ESS crews began to fully delineate the site both vertically and horizontally, by use of hand-auger and track-hoe. Samples were obtained and field tested. Once the bottom hole samples were clear of contaminants, samples were jarred and submitted to the lab for analysis. On, November 19<sup>th</sup> an email was sent to the OCD requesting an extension due to infrastructure additions being done by NGL and it restricted our access and created safety hazards. The extension was granted on December 2, 2021 by Chad Hensley of the NMOCD and extended to January 4<sup>th</sup>, 2022. On December 9<sup>th</sup>, another request for extension was requested as further delineation and excavation was needed at this site. The extension request was granted on December 9<sup>th</sup>, 2021 by Chad Hensley and extended to February 28<sup>th</sup>, 2022. Please find the extension requests attached to this report. Also, attached to this report you will locate the complete sample data log along with the confirmed lab analysis. Below you will find the vertical delineation field final depth data and the lab analysis:



**DELINEATION VERTICAL SAMPLE DATA**

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
SP1	6'	200	ND	ND	ND	ND	ND	ND	173
SP2	8'	200	ND	ND	ND	ND	ND	ND	161
SP3	11'	380	ND	ND	ND	ND	ND	ND	298
SP4	9'	200	ND	ND	ND	ND	ND	ND	158
SP5	8'	220	ND	ND	ND	ND	ND	ND	159
SP6	10'	400	ND	ND	ND	ND	ND	ND	280
SP7	4'	100	ND	ND	ND	ND	ND	ND	79.4
SP8	12'	300	ND	ND	ND	ND	ND	ND	295
SP9	12'	100	ND	ND	ND	ND	ND	ND	62.5
SP10	12'	320	ND	ND	ND	ND	ND	ND	313
SP11	10'	100	ND	ND	ND	ND	ND	ND	71.3
SP12	8'	340	ND	ND	ND	ND	ND	ND	278
SP13	10'	100	ND	ND	ND	ND	ND	ND	81.5
SP14	6'	180	ND	ND	ND	ND	ND	ND	173
SP15	6'	560	ND	ND	ND	ND	ND	ND	566
SP16	14'	100	ND	ND	ND	ND	ND	ND	79.2
SP17	6'	480	ND	ND	ND	ND	ND	ND	428
SP18	6'	440	ND	ND	ND	ND	ND	ND	447
SP19	4'	200	ND	ND	ND	ND	ND	ND	111

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

**DELINEATION HORIZONTAL SAMPLE DATA**

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
SW1	SURFACE	200	ND	ND	ND	ND	ND	ND	214
SW1	2'	200	ND	ND	ND	ND	ND	ND	239
SW2	SURFACE	600	TPH	ND	ND	55.9	53.6	109.5	446
SW2	5'	100	ND	ND	ND	ND	ND	ND	80.9
SW3	SURFACE	3600	TPH	ND	ND	54.8	57.3	112.1	3510
SW3	10'	400	ND	ND	ND	ND	ND	ND	305
SW4	SURFACE	>4000	TPH	ND	ND	315	289	604	9450
SW4	8'	20	ND	ND	ND	ND	ND	ND	ND
SW5	SURFACE	>4000	ND	ND	ND	ND	ND	ND	16200
SW5	5'	120	ND	ND	ND	ND	ND	ND	394
SW6	SURFACE	400	TPH	ND	ND	59.1	88.6	147.7	372
SW6	3'	400	ND	ND	ND	ND	ND	ND	394
SW7	SURFACE	1000	TPH	ND	ND	132	246	378	816
SW7	3'	40	ND	ND	ND	ND	ND	ND	48



SW8	SURFACE	1240	TPH	ND	ND	44.8	76.7	121.5	1150
SW8	5'	40	ND	ND	ND	ND	ND	ND	ND
SW9	SURFACE	1600	ND	ND	ND	ND	ND	ND	1150
SW9	4'	30	ND	ND	ND	ND	ND	ND	ND
SW10	SURFACE	120	ND	ND	ND	ND	ND	ND	101
SW10	2'	200	ND	ND	ND	ND	ND	ND	193
SW11	SURFACE	100	ND	ND	ND	ND	ND	ND	85.5
SW11	2'	240	ND	ND	ND	ND	ND	ND	225
SW12	SURFACE	200	TPH	ND	ND	37.3	ND	37.3	149
SW12	3'	20	ND	ND	ND	ND	ND	ND	ND
SW13	SURFACE	200	TPH	ND	ND	64.8	32.8	147.6	163
SW13	2'	140	ND	ND	ND	32.7	ND	32.7	124
SW14	SURFACE	1600	ND	ND	ND	35.3	ND	35.3	1460
SW14	4'	460	ND	ND	ND	ND	ND	ND	411
SW15	SURFACE	4200	TPH	ND	ND	87.4	86.9	174.3	4010
SW15	11'	280	TPH	ND	ND	ND	50	50	274
SW16	SURFACE	>4000	TPH	ND	ND	131	108	239	12000
SW16	7'	500	ND	ND	ND	ND	ND	ND	466
SW17	SURFACE	600	TPH	ND	ND	73.8	92.7	166.5	560
SW17	4'	100	ND	ND	ND	ND	ND	ND	69.8
SW18	SURFACE	1400	TPH	ND	ND	197	162	359	1220
SW18	7'	100	ND	ND	ND	ND	ND	ND	68.8

Please find the delineation sample map attached to this report.

Excavation of the site began both by hydro-vac (around and under lines) as well as by track-hoe. The impacted area was excavated to 4'bgs to 16'bgs.

A total of 5,225 cubic yards of contaminated material was excavated from the impacted area, stockpiled on plastic and hauled to Owl Disposal. On November 24<sup>th</sup>, 2021 an email was drafted and submitted to the NMOCD for the 48-hour request for composite sampling, but then the scope of work changed to delineate the site further and the extension was granted. On January 5<sup>th</sup>, 2022 another email was drafted and submitted to the NMOCD for the 48-hour request for composite sampling. ESS began to obtain five-point composites, field tested, jarred and submitted to Envirotech Laboratories for confirmation. The final area of impact was 12,400 sq. ft. Therefore, (62) composites were obtained with (20) sidewall composite samples.

**COMPOSITE SAMPLE DATA AND LAB ANALYSIS**

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
C1	3'	400	ND	ND	ND	ND	ND	ND	205
C2	10'	400	ND	ND	ND	ND	ND	ND	227
C3	10'	320	ND	ND	ND	ND	ND	ND	149
C4	10'	320	ND	ND	ND	ND	ND	ND	139
C5	10'	400	ND	ND	ND	ND	ND	ND	257
C6	12'	400	ND	ND	ND	ND	ND	ND	241
C7	12'	240	ND	ND	ND	ND	ND	ND	69.8
C8	12'	320	ND	ND	ND	ND	ND	ND	263
C9	12'	320	ND	ND	ND	ND	ND	ND	210
C10	12'	400	ND	ND	ND	ND	ND	ND	193
C11	12'	320	ND	ND	ND	ND	ND	ND	163
C12	10'	400	ND	ND	ND	ND	ND	ND	410
C13	6'	240	ND	ND	ND	ND	ND	ND	65.8
C14	4'	320	ND	ND	ND	ND	ND	ND	160
C15	6'	240	ND	ND	ND	ND	ND	ND	64.7
C16	4'	320	ND	ND	ND	ND	ND	ND	187
C17	6'	240	ND	ND	ND	ND	ND	ND	221
C18	6'	400	ND	ND	ND	ND	ND	ND	265
C19	4'	400	ND	ND	ND	ND	ND	ND	373
C20	6'	400	ND	ND	ND	ND	ND	ND	331
C21	4'	400	ND	ND	ND	ND	ND	ND	354
C22A	6'	480	ND	ND	ND	31.1	55.5	86.6	602
C22A	6'	200	ND	ND	ND	ND	ND	ND	132
C23	4'	240	ND	ND	ND	ND	ND	ND	151
C24	14'	400	ND	ND	ND	ND	ND	ND	308
C25	4'	320	ND	ND	ND	ND	ND	ND	152
C26	14'	500	ND	ND	ND	ND	84.1	84.1	479
C26A	16'	200	ND	ND	ND	ND	ND	ND	136
C27	10'	320	ND	ND	ND	ND	64.8	64.8	289
C27A	12'	200	ND	ND	ND	ND	ND	ND	139
C28	6	320	ND	ND	ND	ND	ND	ND	ND
C29	10'	240	ND	ND	ND	ND	ND	ND	98.4
C30	6'	200	ND	ND	ND	ND	57.7	57.7	182
C30A	8'	200	ND	ND	ND	ND	ND	ND	195
C31	6'	400	ND	ND	ND	ND	56.8	56.8	321
C31A	8'	80	ND	ND	ND	ND	ND	ND	56.9
C32	9'	320	ND	ND	ND	ND	64.4	64.4	174
C32A	10'	200	ND	ND	ND	ND	ND	ND	194
C33	9'	320	ND	ND	ND	ND	ND	ND	267
C34	9'	320	ND	ND	ND	ND	ND	ND	176
C35	8'	240	ND	ND	ND	ND	ND	ND	385
C36	8'	400	ND	ND	ND	ND	ND	ND	272
C37	8'	400	ND	ND	ND	ND	ND	ND	532

C38	6'	480	ND	ND	ND	ND	ND	ND	441
C39	8'	400	ND	ND	ND	ND	ND	ND	387
C40	8'	480	ND	ND	ND	ND	ND	ND	425
C41	6'	400	ND	ND	ND	ND	ND	ND	387
C42	6'	480	ND	ND	ND	ND	ND	ND	555
C43	11'	400	ND	ND	ND	ND	ND	ND	337
C44	8'	400	ND	ND	ND	ND	ND	ND	229
C45	6'	320	ND	ND	ND	ND	ND	ND	244
C46	4'	320	ND	ND	ND	ND	ND	ND	229
C47	11'	320	ND	ND	ND	ND	ND	ND	212
C48	4'	320	ND	ND	ND	ND	ND	ND	185
C49	4'	320	ND	ND	ND	ND	ND	ND	221
C50	11'	240	ND	ND	ND	ND	ND	ND	331
C51	11'	400	ND	ND	ND	ND	ND	ND	281
C52	4'	320	ND	ND	ND	ND	ND	ND	195
C53	4'	320	ND	ND	ND	ND	ND	ND	122
C54	4'	320	ND	ND	ND	ND	ND	ND	327
C55	4'	400	ND	ND	ND	ND	ND	ND	269
C56	4'	200	ND	ND	ND	ND	ND	ND	228
C57	4'	300	ND	ND	ND	ND	ND	ND	250
C58	4'	300	ND	ND	ND	ND	ND	ND	269
C59	4'	300	ND	ND	ND	ND	ND	ND	276
C60	4'	480	ND	ND	ND	ND	ND	ND	418
C61	4'	480	ND	ND	ND	ND	ND	ND	408
C62	4'	400	ND	ND	ND	ND	ND	ND	401
SW1		120	ND	ND	ND	ND	ND	ND	104
SW2		140	ND	ND	ND	ND	ND	ND	133
SW3		100	ND	ND	ND	ND	ND	ND	109
SW4		240	ND	ND	ND	ND	ND	ND	239
SW5		300	ND	ND	ND	ND	ND	ND	234
SW6		300	ND	ND	ND	ND	ND	ND	239
SW7		260	ND	ND	ND	ND	ND	ND	245
SW8		300	ND	ND	ND	ND	ND	ND	260
SW9		300	ND	ND	ND	ND	ND	ND	245
SW10		500	ND	ND	ND	ND	ND	ND	489
SW11		300	ND	ND	ND	ND	ND	ND	236
SW12		300	ND	ND	ND	ND	ND	ND	229
SW13		500	ND	ND	ND	ND	ND	ND	476
SW14		500	ND	ND	ND	ND	ND	ND	484
SW15		400	ND	ND	ND	ND	ND	ND	429
SW16		400	ND	ND	ND	ND	ND	ND	411
SW17		460	ND	ND	ND	ND	ND	ND	427
SW18		400	ND	ND	ND	ND	ND	ND	408
SW19		400	ND	ND	ND	ND	ND	ND	411
SW20		240	ND	ND	ND	ND	ND	ND	234

Once ESS received the confirmed lab analysis of the excavation area that the full extent of the contamination was removed, backfilling commenced. A total of 3,908 cubic yards of clean caliche was brought in from Owl and Owl was unable to keep up with the demands on backfill for this site, therefore the remainder of the backfill came from a NGL pit near the Jackson site. The lines in the area of the excavation were wrapped with line-detector tape and topsoil was excavated and hauled to the site from the NGL pit to pad the lines as well as for surface coverage. A total of 1,388 cubic yards of topsoil was obtained and delivered to the site.

### Closure Request

On behalf of Tap Rock, ESS requests that this incident (NAPP2124834029), be closed for the release that occurred in the pasture from 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 6 SWD.

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](mailto: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](mailto:natalie@energystaffingllc.com)**



**Attachments:**

Notification Email  
Initial C141  
Spill Calculator Sheet  
Initial C141 Approval Email  
Impact Area Map  
Site Map  
Rangeland and Vegetation Classification  
Soil Map  
FEMA Flood Map  
Karst Map  
Surface Water Map  
Groundwater Data and Map  
OSE Groundwater Map  
Initial Site Photos  
Extension Requests and Approval Emails  
Delineation Sample Map  
Delineation Sample Data and Sample GPS  
OCD – Composite Notification  
Composite Sample Map  
Composite Sample Data and Sample GPS  
Lab Analysis  
Remediation and Final Photos  
Final C141



**Natalie Gladden**

---

**From:** natalie@energystaffingllc.com  
**Sent:** Thursday, September 2, 2021 7:52 PM  
**To:** OCDOnline@state.nm.us; Bratcher, Mike, EMNRD; 'Hensley, Chad, EMNRD'; robert.hamlet@state.nm.us  
**Cc:** 'Christian Combs'; 'Randy Gladden'  
**Subject:** Spill Notification - Jackson Unit SWD #006 Water Transfer Line DOR 9/1/2021  
  
**Importance:** High

All,

On behalf of Tap Rock Operating, a release was found in the pasture due to a 4" poly line rupture. A total of 370bbls of produced water was released with recovering approximately 350bbls of produced water. The leak has been stopped and the area has been secured. All of the fluid was released in the pasture area. The initial C141, spill calculator and portal upload will be turned in tomorrow. If you have any questions or concerns, please do not hesitate to contact the undersigned.

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](mailto: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	NAPP2124834029
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party <b>TAP ROCK OPERATING, LLC</b>	OGRID <b>372043</b>
Contact Name <b>CHRISTIAN COMBS</b>	Contact Telephone <b>(720) 360-4028</b>
Contact email <a href="mailto:ccombs@taprk.com">ccombs@taprk.com</a>	Incident # (assigned by OCD)
Contact mailing address <b>523 PARK POINT DR #200</b>	<b>GOLDEN CO, 80401</b>

### Location of Release Source

Latitude **32.208369** Longitude **-103.603699**  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name <b>JACKSON UNIT SWD #006 WTR TRANSFER LINE (CLOSEST WELL HYPERION ST 141H)</b>	Site Type <b>SWD</b>
Date Release Discovered <b>9/1/2021</b>	API# (if applicable) <b>30-025-46126 (HYPERION)</b>

Unit Letter	Section	Township	Range	County
<b>A</b>	<b>19</b>	<b>24S</b>	<b>33E</b>	<b>LEA</b>

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) <b>566.10BBLS</b>	Volume Recovered (bbls) <b>350BBLS</b>
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

#### Cause of Release

**The 4" poly water transfer line coming from the Jackson Unit SWD #006 busted causing the release. Once the leak was located, the wells were shut in and vacuum trucks were dispatched out to recover the standing fluid.**

Form C-141

State of New Mexico

Page 2

Oil Conservation Division

Incident ID	NAPP2124834029
District RP	
Facility ID	
Application ID	

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

☒ Yes ☐ No

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

**VOLUME OF RELEASE**

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

**NMOCD WAS EMAILED 9/2/21 AT 7:52PM ONCE ALL INFORMATION WAS GATHERED.**

## Initial Response

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

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

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

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

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

Printed Name: Natalie Gladden

Title: Director of Environmental and Regulatory

Signature: Natalie Gladden

Date: 9/1/21

email: natalie@energystaffingllc.com

Telephone: 575-390-6397

### OCD Only

Received by: Ramona Marcus

Date: 9/13/2021

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 47861

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 47861
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
marcus	None	9/13/2021

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	243.36	87	0.6	12703.392	566.10	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	10	10	0.083	8.3	0.30	Medium Gravel
Coarse Gravel	0.18	10	10	0.083	8.3	0.27	Coarse Gravel
Sandstone	0.25	10	10	0.083	8.3	0.37	Sandstone
Siltstone	0.18	10	10	0.083	8.3	0.27	Siltstone
Shale	0.05	10	10	0.083	8.3	0.07	Shale
Limestone	0.13	10	10	0.083	8.3	0.19	Limestone
Basalt	0.19	10	10	0.083	8.3	0.28	Basalt
Volcanic Tuff	0.20	10	10	0.083	8.3	0.30	Volcanic Tuff
Standing Liquids	X	10	10	0.083	8.3	1.48	Standing Liquids

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

**NOTE:** This is an **estimate** tool designed for quick field estimates or 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)

## Natalie Gladden

---

**From:** OCDOnline@state.nm.us  
**Sent:** Sunday, September 5, 2021 9:27 AM  
**To:** natalie@energystaffingllc.com  
**Subject:** The Oil Conservation Division (OCD) has accepted the application, Application ID: 46487

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#) nAPP2124834029, 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 nAPP2124834029, 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



# TAP ROCK OPERATING

JACKSON UNIT SWD #6 WTR TRANSFER LINE  
IMPACT MAP

## Legend

-  JACKSON #6 WTR TRANSFER LINE 9630 SQ. FT.
-  JACKSON UNIT SWD #006 WTR TRANSFER LINE POR






# TAP ROCK

JACKSON UNIT 8 SWD  
SITE MAP

## Legend

 JACKSON 8 SWD RELEASE POINT

JACKSON 6 SWD RELEASE POINT



100 ft



## Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition

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

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

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

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

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

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

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

Reference:

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

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



**Natural Resources  
Conservation Service**

Web Soil Survey  
National Cooperative Soil Survey

2/27/2022  
Page 3 of 5

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

JACKSON UNIT 6 SWD RELEASE

Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition—Lea County, New Mexico								
Map unit symbol and soil name	Ecological Site, Plant Association, or Habitat Type	Total dry-weight production			Characteristic rangeland or forest understory vegetation	Composition		
		Favorable year	Normal year	Unfavorable year			Rangeland	Forest understory
		Lb/ac	Lb/ac	Lb/ac		Pct dry wt	Pct dry wt	
MN—Ratliff-Wink fine sandy loams								
Ratliff	Loamy (R042XC007NM)	1,200	900	600	black grama	30		
					other perennial forbs	10		
					sand dropseed	10		
					Arizona cottontop	5		
					blue grama	5		
					bush muhly	5		
					hooded windmill grass	5		
					mesa dropseed	5		
					other shrubs	5		
					other perennial grasses	5		
					plains bristlegrass	5		
					sideoats grama	5		
					spike dropseed	5		
Wink	Sandy (R042XC004NM)	650	550	450	black grama	25		
					bush muhly	20		
					other shrubs	10		
					other perennial forbs	10		
					other perennial grasses	10		
					Arizona cottontop	5		
					mesa dropseed	5		
					plains bristlegrass	5		
					sand dropseed	5		
					spike dropseed	5		



Natural Resources  
Conservation Service

Web Soil Survey  
National Cooperative Soil Survey

2/27/2022  
Page 4 of 5

## Data Source Information

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



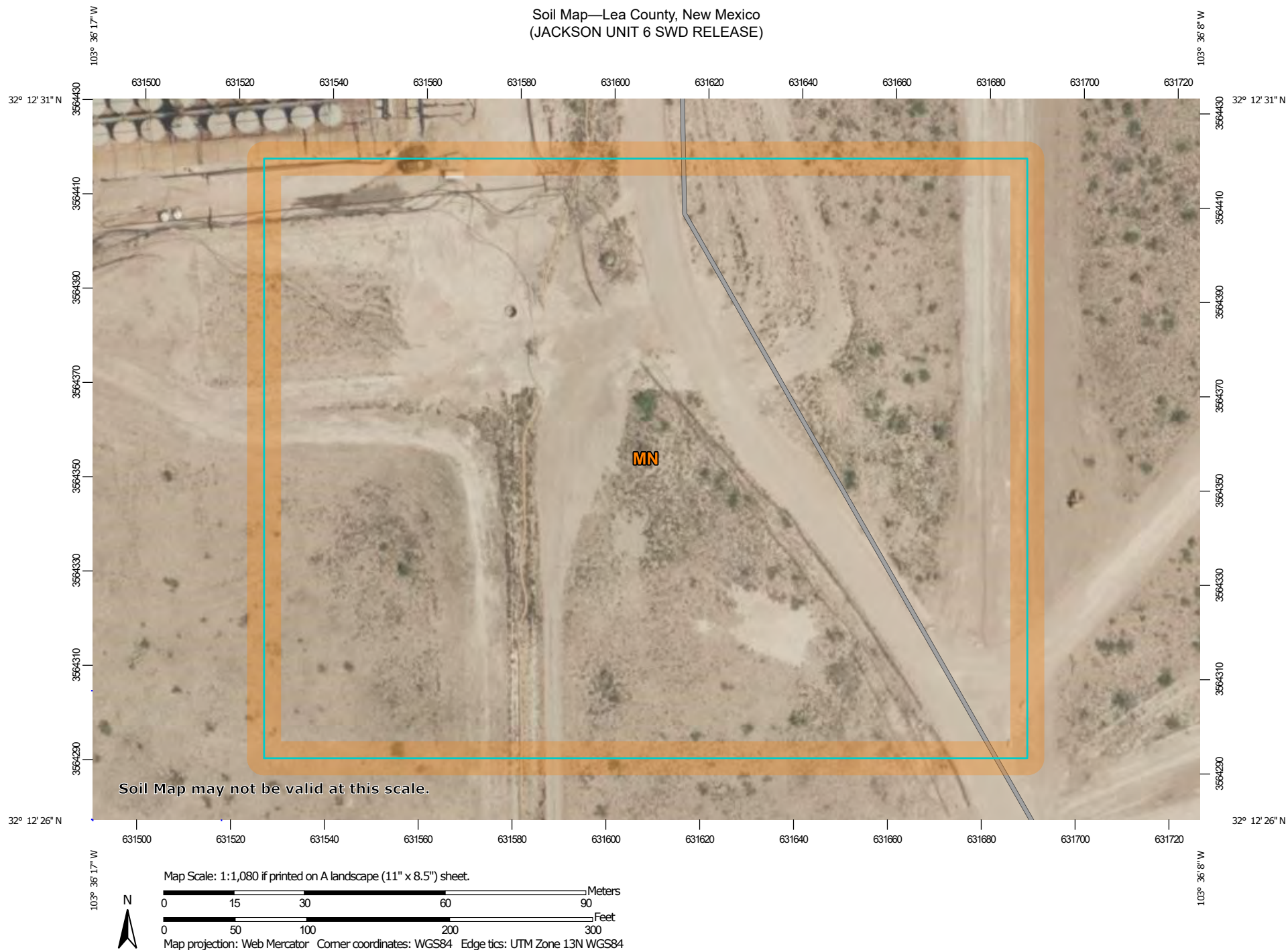
**Natural Resources  
Conservation Service**

Web Soil Survey  
National Cooperative Soil Survey

2/27/2022  
Page 5 of 5



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



Natural Resources  
Conservation Service

Web Soil Survey  
National Cooperative Soil Survey

2/27/2022  
Page 1 of 3

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

## MAP LEGEND

### Area of Interest (AOI)

 Area of Interest (AOI)

### Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

### Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

### Water Features



Streams and Canals

### Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

### Background



Aerial Photography

## MAP INFORMATION

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

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

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

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

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 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.

Soil Map—Lea County, New Mexico

JACKSON UNIT 6 SWD RELEASE

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
MN	Ratliff-Wink fine sandy loams	5.1	100.0%
<b>Totals for Area of Interest</b>		<b>5.1</b>	<b>100.0%</b>

# National Flood Hazard Layer FIRMette



103°36'32"W 32°12'45"N



## Legend

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

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



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/27/2022 at 3:55 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.

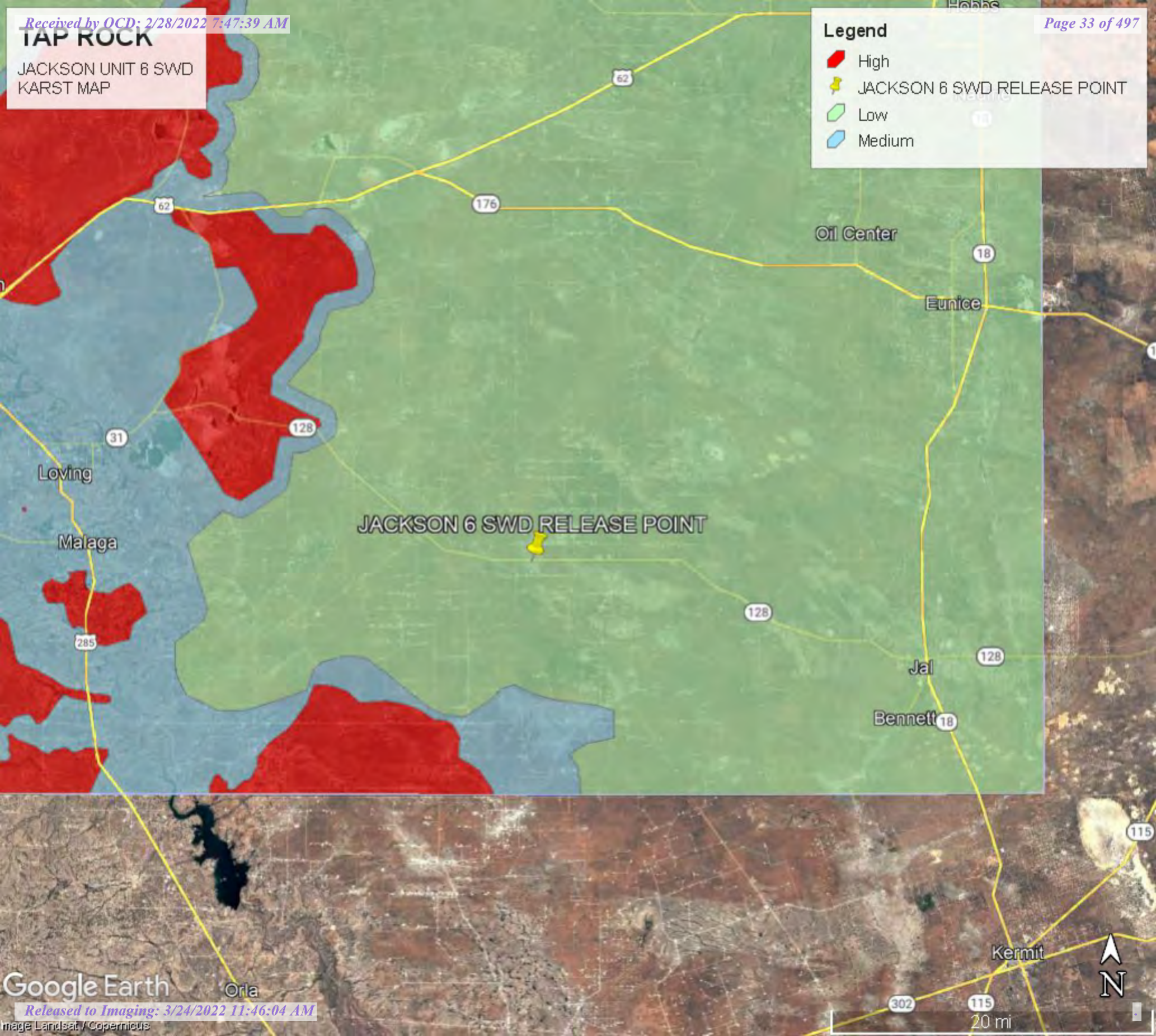


# TAP ROCK

JACKSON UNIT 6 SWD  
KARST MAP

## Legend

- High
- JACKSON 6 SWD RELEASE POINT
- Low
- Medium





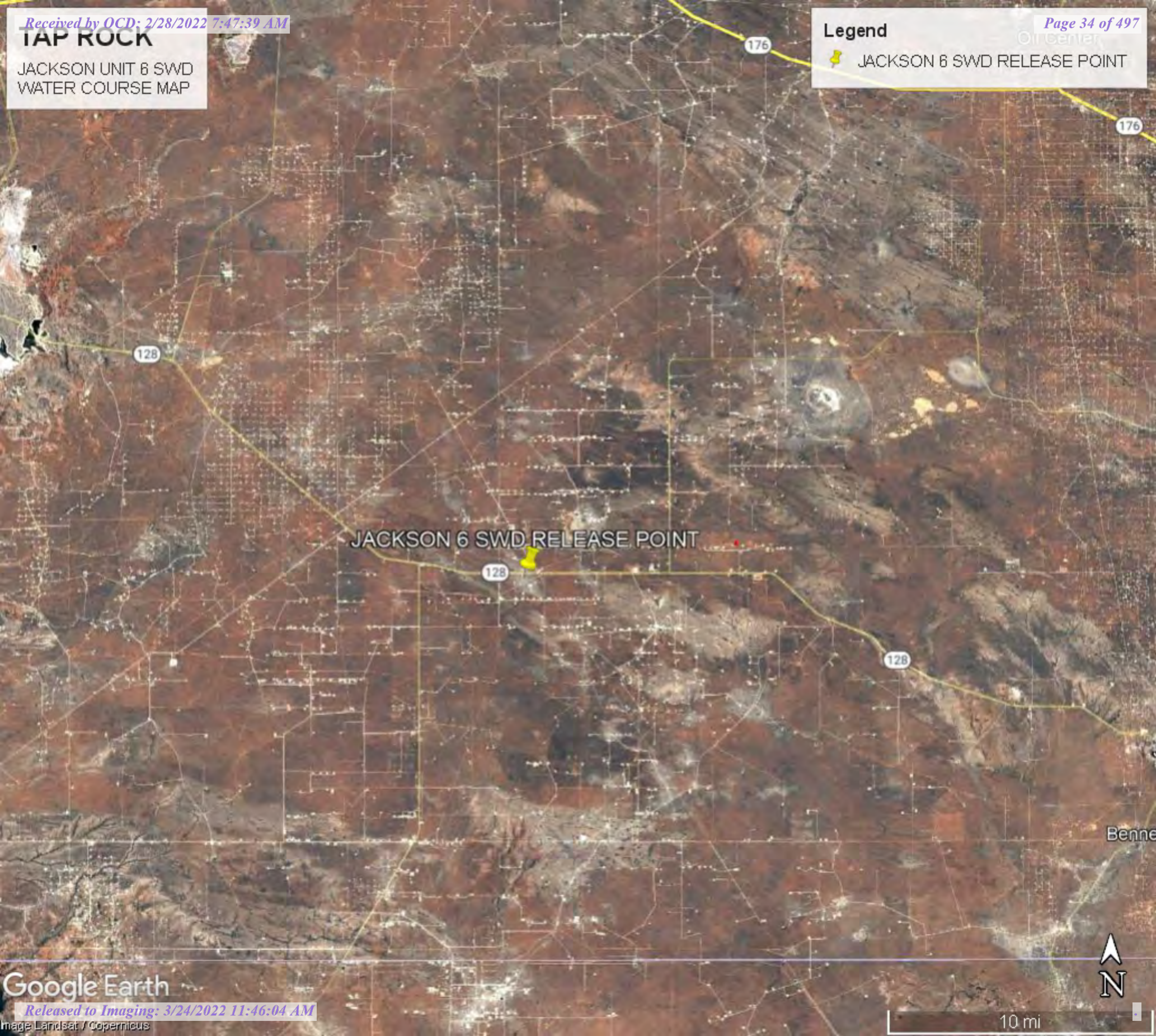
# TAP ROCK

JACKSON UNIT 6 SWD  
WATER COURSE MAP

## Legend



JACKSON 6 SWD RELEASE POINT



JACKSON 6 SWD RELEASE POINT

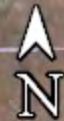
128

128

176

176

Benne







## New Mexico Office of the State Engineer

# Wells with Well Log Information

No wells found.

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

**Easting (X):** 631594.62

**Northing (Y):** 3564386.97

**Radius:** 1000

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

9/5/21 9:40 AM

WELLS WITH WELL LOG INFORMATION



# New Mexico Office of the State Engineer

## Wells with Well Log Information

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(in feet)

POD Number	Code	POD Subbasin	County	Source	q 6416	q 4	q Sec	q Tws	q Rng	X	Y	Distance	Start Date	Finish Date	Log File Date	Depth Well	Depth Water	Driller	License Number	
<a href="#">C 03565 POD3</a>		CUB	LE		3	4	08	24S	33E	632763	3566546	<input type="checkbox"/>	2455	09/27/2012	10/21/2012	12/11/2012	1533	STEWART, PHILLIP D. (LD)	331	
<a href="#">C 01932</a>		C	ED	Shallow	3	1	12	24S	32E	628633	3567188*	<input type="checkbox"/>	4076	10/13/1980	10/27/1980	12/15/1980	492	GLENN, CLARK A."CORKY" (LD)	421	
<a href="#">C 03565 POD8</a>		CUB	LE		4	1	15	24S	33E	635485	3565610	<input type="checkbox"/>	4077			04/02/2013				
<a href="#">C 03591 POD1</a>		CUB	LE	Artesian	2	1	4	05	24S	33E	632731	3568518	<input type="checkbox"/>	4284	12/08/2012	01/10/2013	01/25/2013		PHILLIP STEWART	331
<a href="#">C 03565 POD9</a>		CUB	LE		4	4	15	24S	33E	636430	3565005	<input type="checkbox"/>	4874			04/02/2013				
<a href="#">C 04339 POD7</a>		CUB	LE		4	4	2	23	24S	33E	636473	3564011	<input type="checkbox"/>	4893	07/31/2019	07/31/2019	08/22/2019	43	CURRIE, SHANEG..TY"ENER	1575
<a href="#">C 04339 POD8</a>		CUB	LE		1	1	3	23	24S	33E	636519	3563681	<input type="checkbox"/>	4974	07/31/2019	07/31/2019	08/22/2019	30	CURRIE, SHANEG..TY"ENER	1575

**Record Count:** 7

### UTMNAD83 Radius Search (in meters):

**Easting (X):** 631594.62

**Northing (Y):** 3564386.97

**Radius:** 5000

\*UTM location was derived from PLSS - see Help

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

9/5/21 9:41 AM

WELLS WITH WELL LOG INFORMATION





# 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
C	01932	3	1	12	24S	32E	628633	3567188*	

<b>Driller License:</b>	421	<b>Driller Company:</b>	GLENN'S WATER WELL SERVICE	
<b>Driller Name:</b>	GLENN, CLARK A."CORKY" (LD)			
<b>Drill Start Date:</b>	10/13/1980	<b>Drill Finish Date:</b>	10/27/1980	<b>Plug Date:</b>
<b>Log File Date:</b>	12/15/1980	<b>PCW Rcv Date:</b>		<b>Source:</b> Shallow
<b>Pump Type:</b>		<b>Pipe Discharge Size:</b>		<b>Estimated Yield:</b>
<b>Casing Size:</b>	6.63	<b>Depth Well:</b>	492 feet	<b>Depth Water:</b>

Casing Perforations:	Top	Bottom
	80	98
	235	250
	382	405
	428	440

\*UTM location was derived from PLSS - see Help

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

9/5/21 9:44 AM

Page 1 of 1

POD SUMMARY - C 01932




# 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)

<b>Well Tag</b>	<b>POD Number</b>	<b>Q64 Q16 Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
C	03565 POD3	3	4	08	24S 33E	632763	3566546 

<b>Driller License:</b> 331	<b>Driller Company:</b> SBQ2, LLC DBA STEWART BROTHERS DRILLING CO.
<b>Driller Name:</b> STEWART, PHILLIP D. (LD)	

<b>Drill Start Date:</b> 09/27/2012	<b>Drill Finish Date:</b> 10/21/2012	<b>Plug Date:</b>
<b>Log File Date:</b> 12/11/2012	<b>PCW Rcv Date:</b>	<b>Source:</b>
<b>Pump Type:</b>	<b>Pipe Discharge Size:</b>	<b>Estimated Yield:</b>
<b>Casing Size:</b> 8.90	<b>Depth Well:</b>	<b>Depth Water:</b> 1533 feet

Water Bearing Stratifications:	Top	Bottom	Description
	0	20	Other/Unknown
	20	55	Sandstone/Gravel/Conglomerate
	55	1227	Shale/Mudstone/Siltstone
	1227	1262	Other/Unknown
	1262	1295	Other/Unknown
	1295	1310	Other/Unknown
	1310	1330	Other/Unknown
	1330	1375	Other/Unknown
	1479	1489	Other/Unknown
	1489	1533	Other/Unknown

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

9/5/21 9:43 AM




Page 1 of 1


POD SUMMARY - C 03565 POD3


# TAP ROCK


JACKSON UNIT 6 SWD  
GROUNDWATER MAP

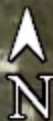
## Legend

-  C01932 - 4076' FR SITE NO GW
-  C03565 POD 3 - 2455' SITE -1533' DGW
-  JACKSON 6 SWD RELEASE POINT

C01932 - 4076' FR SITE NO GW 

 C03565 POD 3 - 2455' SITE -1533' DGW

JACKSON 6 SWD RELEASE POINT 



2 mi

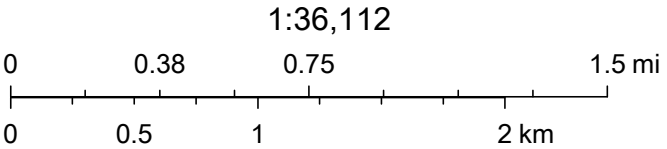


# OSE POD Locations Map



2/27/2022, 2:07:49 PM

- OSE District Boundary
- New Mexico State Trust Lands
- SiteBoundaries
- Water Right Regulations
- Subsurface Estate
- Closure Area
- Both Estates



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





JACKSON UNIT 6 SWD  
INITIAL SITE PHOTOS













## Natalie Gladden

---

**From:** natalie@energystaffingllc.com  
**Sent:** Friday, November 19, 2021 2:26 PM  
**To:** 'ocdonline, emnrd, EMNRD'; Bratcher, Mike, EMNRD; 'Hensley, Chad, EMNRD'  
**Cc:** 'Christian Combs'  
**Subject:** Taprock - Jackson Unit SWD #006 - Extension Request  
  
**Importance:** High

All,

On behalf of Tap Rock Operating, ESS would like to request a 30 day extension for the above mentioned release. The site has been delineated and due to infrastructure additions we are now able to remediate the release that occurred on 9/1/21. The incident number assigned to this release is nAPP2124834029. Please let me know if you have any questions or concerns.

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](mailto:natalie@energystaffingllc.com)**



**Natalie Gladden**

---

**From:** Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>  
**Sent:** Thursday, December 2, 2021 2:41 PM  
**To:** natalie@energystaffingllc.com  
**Cc:** Bratcher, Mike, EMNRD; ccombs@taprk.com  
**Subject:** RE: [EXTERNAL] Taprock - Jackson Unit SWD #006 - Extension Request

Natalie,

Tap Rocks request for an extension request for nAPP2124834029 is approved. Remediation\closure report due 01/04/2022.

**Chad Hensley • Environmental Science & Specialist**

Environmental Bureau  
EMNRD - Oil Conservation Division  
811 First St. | Artesia, NM 88210  
Office: 575.748.1283 | Cell: 575-703-1723  
[chad.hensley@state.nm.us](mailto:chad.hensley@state.nm.us)  
<http://www.emnrd.state.nm.us/OCD/>



**From:** natalie@energystaffingllc.com <natalie@energystaffingllc.com>  
**Sent:** Friday, November 19, 2021 2:26 PM  
**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>  
**Cc:** 'Christian Combs' <ccombs@taprk.com>  
**Subject:** [EXTERNAL] Taprock - Jackson Unit SWD #006 - Extension Request  
**Importance:** High

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

All,

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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](mailto:natalie@energystaffingllc.com)**



**Natalie Gladden**

---

**From:** Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>  
**Sent:** Thursday, December 9, 2021 9:47 AM  
**To:** natalie@energystaffingllc.com  
**Cc:** Bratcher, Mike, EMNRD; ccombs@taprk.com; 'Bill Ramsey'; dakoatah@energystaffingllc.com; Hamlet, Robert, EMNRD; ocdonline, emnrd, EMNRD  
**Subject:** RE: [EXTERNAL] RE: Tap Rock - Jackson Unit SWD #006 - 2nd Extension Request

Natalie,

Tap Rocks request for an extension request for nAPP2124834029 is approved. Closure report due 02/28/2022.

Cheers,

**Chad Hensley** • Environmental Science & Specialist

Environmental Bureau

EMNRD - Oil Conservation Division

811 First St. | Artesia, NM 88210

Office: 575.748.1283 | Cell: 575-703-1723

[chad.hensley@state.nm.us](mailto:chad.hensley@state.nm.us)

<http://www.emnrd.state.nm.us/OCD/>



**From:** natalie@energystaffingllc.com <natalie@energystaffingllc.com>  
**Sent:** Thursday, December 9, 2021 8:37 AM  
**To:** Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>  
**Cc:** Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; ccombs@taprk.com; 'Bill Ramsey' <Bramsey@taprk.com>; dakoatah@energystaffingllc.com; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; ocdonline, emnrd, EMNRD <EMNRD.OCDOnline@state.nm.us>  
**Subject:** [EXTERNAL] RE: Tap Rock - Jackson Unit SWD #006 - 2nd Extension Request  
**Importance:** High

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

All,

After further review of the ground water data available for this site, which shows the following:

C 03565 POD3 – drilled in 2012, shows the well depth to be 1533' bgs, this well is 2455' from the spill site.

C01932 – drilled in 1980 with a well depth of 492' bgs with no water levels reported and this well is also out of the date range allowed.



Lea County does not have any water wells with this depth. With no other water well data available near this site, Tap Rock and ESS agree that this site needs to be delineated and remediated further using the <50'dgw requirement. This release is also directly behind the NGL – Blue Quill SWD, which has a numerous amount of buried lines that feed the SWD. Currently we have two hydro-vac's excavating 3' on each side of the NGL lines, as we know this is time consuming. Our extension was approved on December 2, 2021, with a final deadline of 1/04/22.

At this time on behalf of Tap Rock, we would like to request a second extension to allow for further delineation of the site. The incident ID for this release is nAPP2124834029. If you would like to discuss this further, please do not hesitate to contact me at any time. Thank you in advance for your time in this matter.

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](mailto:natalie@energystaffingllc.com)**



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**Sent:** Thursday, December 2, 2021 2:41 PM

**To:** [natalie@energystaffingllc.com](mailto:natalie@energystaffingllc.com)

**Cc:** Bratcher, Mike, EMNRD <[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)>; [ccombs@taprk.com](mailto:ccombs@taprk.com)

**Subject:** RE: [EXTERNAL] Taprock - Jackson Unit SWD #006 - Extension Request

Natalie,

Tap Rocks request for an extension request for nAPP2124834029 is approved. Remediation\closure report due 01/04/2022.

**Chad Hensley • Environmental Science & Specialist**

Environmental Bureau

EMNRD - Oil Conservation Division

811 First St. | Artesia, NM 88210

Office: 575.748.1283 | Cell: 575-703-1723

[chad.hensley@state.nm.us](mailto:chad.hensley@state.nm.us)

<http://www.emnrd.state.nm.us/OCD/>



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**Sent:** Friday, November 19, 2021 2:26 PM  
**To:** ocdonline, emnrd, EMNRD <[EMNRD.OCDOnline@state.nm.us](mailto:EMNRD.OCDOnline@state.nm.us)>; Bratcher, Mike, EMNRD <[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)>; Hensley, Chad, EMNRD <[Chad.Hensley@state.nm.us](mailto:Chad.Hensley@state.nm.us)>  
**Cc:** 'Christian Combs' <[ccombs@taprk.com](mailto:ccombs@taprk.com)>  
**Subject:** [EXTERNAL] Taprock - Jackson Unit SWD #006 - Extension Request  
**Importance:** High

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Sincerely,

*Natalie Gladden*

**Director of Environmental and Regulatory Services**

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**Hobbs, NM 88240**

**Cell: 575-390-6397**

**Email: [natalie@energystaffingllc.com](mailto:natalie@energystaffingllc.com)**





# TAP ROCK

JACKSON UNIT 6 SWD  
DELINEATION MAP

JACKSON 6 SWD RELEASE POINT



100 ft



Company Name: Taprock I Location Name: Jackson 6 SWD Release Date: 9/1/2021

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Soil	Notes
SP1	Surface	1680		ND	ND	69.7	63	132.7	1830		
	2'	780									
	4'	560									
	6'	200		ND	ND	ND	ND	ND	173		
SP2	Surface	7800		ND	ND	1610	815	2425	7590		
	2'	3600									
	4'	2200									
	6'	1780		ND	ND	ND	ND	ND	1810		
	7'	400									
	8'	200		ND	ND	ND	ND	ND	165		
SP3	Surface	7000		ND	ND	63.1	53.7	116.8	6670		
	2'	4500									
	4'	3200									
	6'	1100		ND	ND	ND	ND	ND	1050		
	7'	1280									
	8'	960									
	9'	640									
	10'	480									
	11'	380		ND	ND	ND	ND	ND	298		
SP4	Surface	16000		ND	ND	ND	ND	ND	16900		
	2'	8000									
	4'	4200									
	6'	2540		ND	ND	ND	ND	ND	2610		
	7'	600									
	8'	560									
	9'	200		ND	ND	ND	ND	ND	158		
SP5	Surface	7840		ND	ND	50.1	57.6	107.7	7990		

	2'	6540									
	4'	4400									
	6'	1120		ND	ND	ND	ND	ND	1230		
	7'	460									
	8'	220		ND	ND	ND	ND	ND	159		

SP6	Surface	200		ND	ND	ND	ND	ND	180		
	1'	2000									
	2'	5760									
	3'	720									
	4'	3800									
	5'	1200									
	6'	1120									
	7'	960									
	8'	880									
	9'	400									
	10'	400		ND	ND	ND	ND	ND	280		

SP7	Surface	220		ND	ND	490	278	768	199		
	1'	2480									
	2'	660									
	3'	480									
	4'	100		ND	ND	ND	ND	ND	79.4		

SP8	Surface	>4000		ND	ND	26.3	ND	26.3	10600		
	1'	4400									
	2'	720									
	3'	800									
	4'	800									
	6'	1840									
	8'	1040									
	10'	640									
	11'	400									
	12'	300		ND	ND	ND	ND	ND	295		

SP9	Surface	>4000		ND	ND	163	112	275	6050		
	1'	3840									
	2'	2420									
	3'	2160									
	4'	2800									
	6'	4480									
	8'	2320									
	10'	680									
	11'	400									
	12'	100		ND	ND	ND	ND	ND	62.5		

SP10	Surface	11640		ND	ND	ND	ND	ND	12100		
	2'	8220									
	4'	4800									
	6'	4200									
	8'	960									
	10'	880									
	12'	320		ND	ND	ND	ND	ND	313		

SP11	Surface	8240		ND	ND	248	165	413	8310		
	2'	6640									
	4'	2140									
	6'	1920		ND	ND	ND	ND	ND	1880		
	8'	400									
	10'	100		ND	ND	ND	ND	ND	71.3		

SP12	Surface	4460		ND	ND	118	96	214	4580		
	2'	2880									
	4'	2200									
	6'	680									
	8'	340		ND	ND	ND	ND	ND	278		

SP13	Surface	9240		ND	ND	54.5	ND	54.5	9370		
------	---------	------	--	----	----	------	----	------	------	--	--



	2'	8260									
	4'	5520									
	6'	4220		ND	ND	ND	ND	ND	4160		
	8'	320									
	10'	100		ND	ND	ND	ND	ND	81.5		

SP14	Surface	8920		ND	ND	191	134	325	9100		
	2'	5660									
	4'	3220									
	6'	180		ND	ND	ND	ND	ND	173		

SP15	Surface	16220		ND	ND	ND	ND	ND	16300		
	2'	8660									
	4'	4360									
	6'	560		ND	ND	ND	NDN	ND	566		

SP16	Surface	8280		ND	ND	ND	69.2	69.2	8450		
	2'	6360									
	4'	5240									
	6'	2880									
	8'	1200									
	10'	720		ND	ND	ND	ND	ND	726		
	12'	400									
	14'	100		ND	ND	ND	ND	ND	79.2		

SP17	Surface	9840		ND	ND	ND	ND	ND	10000		
	2'	8800									
	4'	4250									
	6'	480		ND	ND	ND	ND	ND	428		

SP18	Surface	80		ND	ND	ND	ND	ND	77		
	2'	800									
	4'	440									
	6'	440		ND	ND	ND	ND	ND	447		

SP19	Surface	2320		ND	ND	ND	ND	ND	2320		
	1'	2480									
	2'	1600									
	3'	560									
	4'	200		ND	ND	ND	ND	ND	111		
SW1	Surface	200		ND	ND	ND	ND	ND	214		
	1'	260									
	2'	200		ND	ND	ND	ND	ND	239		
SW2	Surface	600		ND	ND	55.9	53.6	109.5	446		
	1'	720									
	2'	720									
	3'	1200									
	4'	480									
	5'	100		ND	ND	ND	ND	ND	80.9		
SW3	Surface	3600		ND	ND	54.8	57.3	112.1	3510		
	1'	>4000									
	2'	>4000									
	3'	>4000									
	4'	>4000									
	5'	>4000									
	6'	2260									
	7'	1160									
	8'	980									
	9'	400									
	10'	400		ND	ND	ND	ND	ND	305		
SW4	Surface	>4000		ND	ND	315	289	604	9450		
	1'	>4000									
	2'	>4000									
	3'	580									

	4'	400									
	6'	120		ND	ND	26.8	65.9	92.7	110		
	7'	100									
	8'	20		ND	ND	ND	ND	ND	ND		
SW5	Surface	>4000		ND	ND	ND	ND	ND	16200		
	1'	>4000									
	2'	>4000									
	3'	400									
	4'	220		ND	ND	ND	56.9	56.9	147		
	5'	120		ND	ND	ND	ND	ND	112		
SW6	Surface	400		ND	ND	59.1	88.6	147.7	372		
	1'	400									
	2'	200		ND	ND	42.3	65.1	107.4	185		
	3'	400		ND	ND	ND	ND	ND	394		
SW7	Surface	1000		ND	ND	132	246	378	816		
	1'	400									
	2'	200		ND	ND	26.3	55.2	81.5	141		
	3'	40		ND	ND	ND	ND	ND	48		
SW8	Surface	1240		ND	ND	44.8	76.7	121.5	1150		
	1'	480									
	2'	720									
	3'	600									
	4'	200		ND	ND	35.7	81.8	117.5	146		
	5'	40		ND	ND	ND	ND	ND	ND		
SW9	Surface	1600		ND	ND	ND	ND	ND	1410		
	1'	>4000									
	2'	1680									
	3'	400									
	4'	30		ND	ND	ND	ND	ND	ND		



SW10	Surface	120		ND	ND	ND	ND	ND	101		
	1'	400									
	2'	200		ND	ND	26.7	ND	26.7	193		
SW11	Surface	100		ND	ND	ND	ND	ND	85.5		
	1'	240									
	2'	240		ND	ND	ND	ND	ND	225		
SW12	Surface	200		ND	ND	37.3	ND	37.3	149		
	1'	600	TPH								
	2'	400	TPH	ND	ND	113	101	214	307		
	3'	20		ND	ND	ND	ND	ND	ND		
SW13	Surface	200		ND	ND	64.8	82.8	147.6	163		
	1'	200									
	2'	140		ND	ND	32.7	ND	32.7	124		
SW14	Surface	1600		ND	ND	35.3	ND	35.3	1460		
	1'	2480									
	2'	800									
	3'	560									
	4'	460		ND	ND	ND	ND	ND	411		
SW15	Surface	4200		ND	ND	87.4	86.9	174.3	4010		
	1'	2720									
	2'	>4000									
	3'	960									
	4'	640									
	5'	800									
	6'	1600									
	7'	>4000									
	8'	720									
	9'	600									

	10'	400									
	11'	280		ND	ND	ND	50	50	274		
SW16	Surface	>4000		ND	ND	131	108	239	12000		
	1	>4000									
	2'	2080									
	3'	>4000									
	4'	>4000									
	5'	1040									
	6'	560									
	7'	500		ND	ND	ND	ND	ND	466		
SW17	Surface	600		ND	ND	73.8	92.7	166.5	560		
	1'	720									
	2'	560									
	3'	460		ND	ND	43.6	62.2	105.8	430		
	4'	100		ND	ND	ND	ND	ND	69.8		
SW18	Surface	1400		ND	ND	197	162	359	1220		
	1'	1600									
	2'	1840									
	3'	1760									
	4'	720									
	5'	400									
	6'	200		ND	ND	38.7	60.8	99.5	179		
	7'	100		ND	ND	ND	ND	ND	68.8		

TAPROCK JACKSON 6 SWD  
DELINEATION GPS

SP ID	LATITUDE	LONGITUDE
SP1	32.20833	-103.603634
SP2	32.208253	-103.603726
SP3	32.208355	-103.603734
SP4	32.208245	-103.603844
SP5	32.208172	-103.603778
SP6	32.208108	-103.603804
SP7	32.208033	-103.603814
SP8	32.20796	-103.603817
SP9	32.207891	-103.603827
SP10	32.207812	-103.60382
SP11	32.207754	-103.603817
SP12	32.20773	-103.603791
SP13	32.207777	-103.603787
SP14	32.207847	-103.603785
SP15	32.207903	-103.603776
SP16	32.207975	-103.603741
SP17	32.208079	-103.603719
SP18	32.20814	-103.603688
SP19	32.208489	-103.603724
SW1	32.208383	-103.603663
SW2	32.208336	-103.603596
SW3	32.20825	-103.60363
SW4	32.20815	-103.603626
SW5	32.208016	-103.603697
SW6	32.207868	-103.603766
SW7	32.20779	-103.603776
SW8	32.207717	-103.603802
SW9	32.207778	-103.603833
SW10	32.207849	-103.603831
SW11	32.207933	-103.603845
SW12	32.208023	-103.603848
SW13	32.208116	-103.603836
SW14	32.208182	-103.603819
SW15	32.208551	-103.603737
SW16	32.20822	-103.603856
SW17	32.208269	-103.603896
SW18	32.208367	-103.603776



## Natalie Gladden

---

**From:** natalie@energystaffingllc.com  
**Sent:** Wednesday, November 24, 2021 1:44 PM  
**To:** 'ocdonline, emnrd, EMNRD'; Bratcher, Mike, EMNRD; 'Hensley, Chad, EMNRD'; robert.hamlet@state.nm.us  
**Cc:** 'Christian Combs'; dakoatah@energystaffingllc.com  
**Subject:** Tap Rock - Jackson Unit SWD #6 - remediation and composite sample notification  
**Importance:** High

All,

ESS has begun to hydro-vac out the release due to numerous lines in the area of impact. We will begin composite sampling next Monday. This release occurred on 9/1/21 with an incident no. of nAPP2124834029. If you have any questions, please do not hesitate to contact me.

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](mailto:natalie@energystaffingllc.com)**



## Natalie Gladden

---

**From:** natalie@energystaffingllc.com  
**Sent:** Wednesday, January 5, 2022 9:17 AM  
**To:** 'ocdonline, emnrd, EMNRD'; Bratcher, Mike, EMNRD; 'Hensley, Chad, EMNRD'; robert.hamlet@state.nm.us  
**Cc:** 'Christian Combs'; 'Bill Ramsey'; dakoatah@energystaffingllc.com  
**Subject:** Tap Rock - Jackson Unit 6 SWD - Composite Sampling Notification  
  
**Importance:** High

All,

Please find this email as the 48 hour notification of composite sampling that will be conducted at the Jackson 6 SWD. Release information is below:

Site Name – Jackson Unit SWD #006 Water Transfer Line  
Closest well to release: Hyperion State 141H  
API No. 30-025-46126 (Hyperion)  
U/L A, S19, T24S, R33E  
Lea County, New Mexico  
Date of Release: 9/1/2021  
Extension on Remediation: 2/28/2022

Please contact the undersigned, if you have any questions or concerns.

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](mailto:natalie@energystaffingllc.com)**



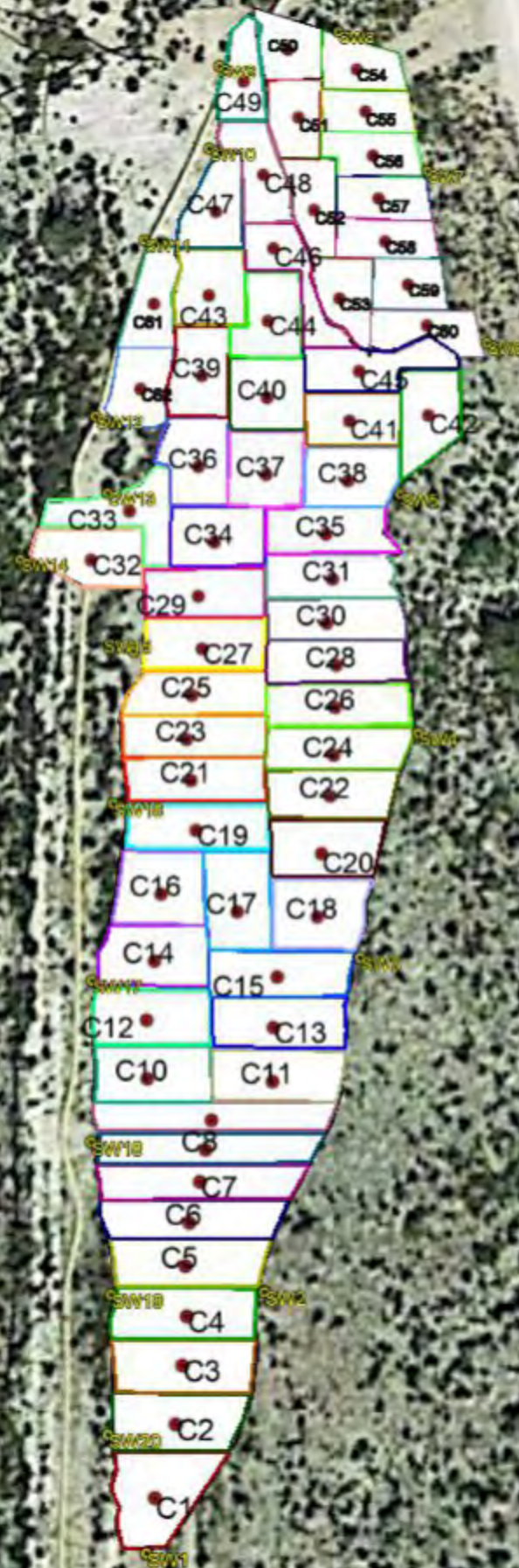


# TAP ROCK

JACKSON UNIT 8 SWD  
COMPOSITE MAP

## Legend

- COMPOSITE SAMPLE POINTS
- COMPOSITE SIDEWALL SAMPLES
- EXCAVATION AREA 12,400 SQ.FT.



100 ft



Company Name: TAPROCK Location Name: JACKSON 6 SWD Release Date: 9/1/2021

SP ID	Depth	Tit	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Soil	Notes
COMP 1	1	400									
	2	240									
	3	320									
	4	480									
	5	240									
	COMP	400		ND	ND	ND	ND	ND	205		
COMP 2	1	320									
	2	240									
	3	400									
	4	480									
	5	160									
	COMP	400		ND	ND	ND	ND	ND	227		
COMP 3	1	160									
	2	160									
	3	480									
	4	480									
	5	160									
	COMP	320		ND	ND	ND	ND	ND	149		
COMP 4	1	160									
	2	320									
	3	320									
	4	240									
	5	160									
	COMP	320		ND	ND	ND	ND	ND	139		
COMP 5	1	160									
	2	160									
	3	400									

	4	240									
	5	120									
	COMP	400		ND	ND	ND	ND	ND	257		
COMP 6	1	40									
	2	100									
	3	200									
	4	20									
	5	20									
	COMP	400		ND	ND	ND	ND	ND	241		
COMP 7	1	20									
	2	40									
	3	80									
	4	40									
	5	40									
	COMP	240		ND	ND	ND	ND	ND	69.8		
COMP 8	1	100									
	2	100									
	3	80									
	4	60									
	5	20									
	COMP	320		ND	ND	ND	ND	ND	263		
COMP 9	1	100									
	2	20									
	3	140									
	4	20									
	5	20									
	COMP	320		ND	ND	ND	ND	ND	210		
COMP 10	1	200									
	2	100									

	3	20									
	4	40									
	5	ND									
	COMP	400		ND	ND	ND	ND	ND	193		
COMP 11	1	200									
	2	ND									
	3	100									
	4	40									
	5	20									
	COMP	320		ND	ND	ND	ND	ND	163		
COMP 12	1	200									
	2	ND									
	3	ND									
	4	400									
	5	20									
	COMP	400		ND	ND	ND	ND	ND	410		
COMP 13	1	ND									
	2	ND									
	3	200									
	4	ND									
	5	140									
	COMP	240		ND	ND	ND	ND	ND	65.8		
COMP 14	1	100									
	2	ND									
	3	ND									
	4	ND									
	5	200									
	COMP	320		ND	ND	ND	ND	ND	160		
COMP 15	1	20									

	2	20									
	3	40									
	4	100									
	5	40									
	COMP	240		ND	ND	ND	ND	ND	64.7		
COMP 16	1	100									
	2	ND									
	3	200									
	4	20									
	5	20									
	COMP	320		ND	ND	ND	ND	ND	187		
COMP 17	1	ND									
	2	ND									
	3	100									
	4	120									
	5	ND									
	COMP	240		ND	ND	ND	ND	ND	221		
COMP 18	1	ND									
	2	400									
	3	200									
	4	ND									
	5	ND									
	COMP	400		ND	ND	ND	ND	ND	265		
COMP 19	1										
	2										
	3										
	4										
	5										
	COMP	400		ND	ND	ND	ND	ND	373		



COMP 20	1	100									
	2	200									
	3	80									
	4	ND									
	5	20									
	COMP	400		ND	ND	ND	ND	ND	331		
COMP 21	1	100									
	2	100									
	3	80									
	4	40									
	5	ND									
	COMP	400		ND	ND	ND	ND	ND	354		
COMP 22	1	200									
	2	200									
	3	80									
	4	ND									
	5	20									
	COMP	480		ND	ND	31.1	55.5	86.6	602		TPH/CL
	COMP	200		ND	ND	ND	ND	ND	132		
COMP 23	1	100									
	2	40									
	3	ND									
	4	ND									
	5	80									
	COMP	240		ND	ND	ND	ND	ND	151		
COMP24	1	100									
	2	120									
	3	80									
	4	20									
	5	40									

	COMP	400		ND	ND	ND	ND	ND	308		
COMP 25	1	100									
	2	ND									
	3	ND									
	4	100									
	5	100									
	COMP	320		ND	ND	ND	ND	ND	152		
COMP 26	1	ND									
	2	200									
	3	240									
	4	20									
	5	20									
	COMP	500		ND	ND	ND	84.1	84.1	479		TPH
	COMP	200		ND	ND	ND	ND	ND	136		
COMP 27	1	200									
	2	400									
	3	ND									
	4	ND									
	5	ND									
	COMP	320		ND	ND	ND	64.8	64.8	286		TPH
	COMP	200		ND	ND	ND	ND	ND	139		
COMP 28	1	40									
	2	40									
	3	100									
	4	40									
	5	20									
	COMP	320		ND	ND	ND	ND	ND	ND		
COMP 29	1	20									
	2	40									

	3	ND									
	4	100									
	5	100									
	COMP	240		ND	ND	ND	ND	ND	98.4		
COMP 30	1	200									
	2	80									
	3	100									
	4	ND									
	5	20									
	COMP	200		ND	ND	ND	57.7	57.7	182		TPH
	COMP	200		ND	ND	ND	ND	ND	195		
COMP 31	1	300									
	2	20									
	3	40									
	4	ND									
	5	100									
	COMP	400		ND	ND	ND	56.8	56.8	321		TPH
	COMP	80		ND	ND	ND	ND	ND	56.9		
COMP 32	1	100									
	2	ND									
	3	100									
	4	ND									
	5	200									
	COMP	320		ND	ND	ND	64.4	64.4	174		
	COMP	200		ND	ND	ND	ND	ND	194		
COMP 33	1	ND									
	2	ND									
	3	300									
	4	ND									
	5	40									

	COMP	320		ND	ND	ND	ND	ND	267		
COMP 34	1	20									
	2	40									
	3	100									
	4	40									
	5	40									
	COMP	320		ND	ND	ND	ND	ND	176		
COMP 35	1	40									
	2	40									
	3	40									
	4	60									
	5	40									
	COMP	240		ND	ND	ND	ND	ND	385		
COMP 36	1	200									
	2	180									
	3	220									
	4	ND									
	5	ND									
	COMP	400		ND	ND	ND	ND	ND	272		
COMP 37	1	ND									
	2	400									
	3	ND									
	4	100									
	5	ND									
	COMP	400		ND	ND	ND	ND	ND	532		
COMP 38	1	ND									
	2	ND									
	3	480									
	4	200									



	5	ND									
	COMP	480		ND	ND	ND	ND	ND	441		
COMP 39	1	ND									
	2	400									
	3	ND									
	4	ND									
	5	80									
	COMP	400		ND	ND	26.4	ND	ND	387		
COMP 40	1	500									
	2	ND									
	3	20									
	4	ND									
	5	ND									
	COMP	480		ND	ND	ND	ND	ND	425		
COMP 41	1	100									
	2	140									
	3	200									
	4	ND									
	5	ND									
	COMP	400		ND	ND	ND	ND	ND	387		
COMP 42	1	ND									
	2	ND									
	3	500									
	4	ND									
	5	20									
	COMP	480		ND	ND	ND	ND	ND	555		
COMP 43	1	20									
	2	ND									
	3	ND									

	4	400									
	5	ND									
	COMP	400		ND	ND	ND	ND	ND	337		
COMP 44	1	400									
	2	ND									
	3	ND									
	4	20									
	5	ND									
	COMP	400		ND	ND	ND	ND	ND	229		
COMP 45	1	ND									
	2	20									
	3	300									
	4	40									
	5	40									
	COMP	320		ND	ND	ND	ND	ND	244		
COMP 46	1	ND									
	2	20									
	3	400									
	4	ND									
	5	ND									
	COMP	320		ND	ND	ND	ND	ND	229		
COMP 47	1	ND									
	2	ND									
	3	ND									
	4	400									
	5	40									
	COMP	320		ND	ND	ND	ND	ND	212		
COMP 48	1	400									
	2	ND									

	3	ND									
	4	ND									
	5	ND									
	COMP	320		ND	ND	ND	ND	ND	185		
COMP 49	1	ND									
	2	320									
	3	100									
	4	80									
	5	20									
	COMP	320		ND	ND	ND	ND	ND	221		
COMP 50	1	20									
	2	200									
	3	200									
	4	100									
	5	ND									
	COMP	240		ND	ND	ND	ND	ND	331		
COMP 51	1	ND									
	2	ND									
	3	500									
	4	ND									
	5	ND									
	COMP	400		ND	ND	ND	ND	ND	281		
COMP 52	1	ND									
	2	ND									
	3	ND									
	4	400									
	5	ND									
	COMP	320		ND	ND	ND	ND	ND	195		
COMP 53	1	200									

	2	ND									
	3	100									
	4	ND									
	5	ND									
	COMP	320		ND	ND	ND	ND	ND	122		
COMP 54	1	ND									
	2	ND									
	3	ND									
	4	ND									
	5	360									
	COMP	320		ND	ND	ND	ND	ND	327		
COMP 55	1	400									
	2	100									
	3	ND									
	4	ND									
	5	ND									
	COMP	400		ND	ND	ND	ND	ND	269		
COMP 56	1	ND									
	2	480									
	3	ND									
	4	ND									
	5	ND									
	COMP	200		ND	ND	ND	ND	ND	228		
COMP 57	1	100									
	2	20									
	3	20									
	4	20									
	5	20									
	COMP	300		ND	ND	ND	ND	ND	250		



COMP 58	1	20									
	2	20									
	3	280									
	4	ND									
	5	ND									
	COMP	300		ND	ND	ND	ND	ND	269		
COMP 59	1	ND									
	2	ND									
	3	ND									
	4	80									
	5	100									
	COMP	300		ND	ND	ND	ND	ND	276		
COMP 60	1	400									
	2	120									
	3	20									
	4	20									
	5	20									
	COMP	480		ND	ND	ND	ND	ND	418		
COMP 61	1	200									
	2	280									
	3	ND									
	4	20									
	5	40									
	COMP	480		ND	ND	ND	ND	ND	408		
COMP 62	1	40									
	2	80									
	3	120									
	4	160									
	5	20									
	COMP	400		ND	ND	ND	ND	ND	401		

SW COMP 1	1	20									
	2	40									
	3	100									
	4	ND									
	5	ND									
	COMP	120		ND	ND	ND	ND	ND	104		
SW COMP 2	1	20									
	2	20									
	3	40									
	4	80									
	5	20									
	COMP	140		ND	ND	ND	ND	ND	133		
SW COMP 3	1	20									
	2	20									
	3	ND									
	4	20									
	5	20									
	COMP	100		ND	ND	ND	ND	ND	109		
SW COMP 4	1	20									
	2	100									
	3	80									
	4	ND									
	5	ND									
	COMP	240		ND	ND	ND	ND	ND	239		
SW COMP 5	1	20									
	2	40									
	3	20									
	4	200									
	5	20									

	COMP	300		ND	ND	ND	ND	ND	234		
SW COMP 6	1	400									
	2	20									
	3	20									
	4	20									
	5	20									
	COMP	300		ND	ND	ND	ND	ND	239		
SW COMP 7	1	100									
	2	20									
	3	20									
	4	20									
	5	20									
	COMP	260		ND	ND	ND	ND	ND	245		
SW COMP 8	1	20									
	2	20									
	3	400									
	4	20									
	5	20									
	COMP	300		ND	ND	ND	ND	ND	260		
SW COMP 9	1	100									
	2	100									
	3	20									
	4	20									
	5	20									
	COMP	300		ND	ND	ND	ND	ND	245		
SW COMP 10	1	400									
	2	20									
	3	100									
	4	20									

	5	ND									
	COMP	500		ND	ND	ND	ND	ND	489		
SW COMP 11	1	200									
	2	100									
	3	ND									
	4	ND									
	5	ND									
	COMP	300		ND	ND	ND	ND	ND	236		
SW COMP 12	1	100									
	2	100									
	3	100									
	4	ND									
	5	ND									
	COMP	300		ND	ND	ND	ND	ND	229		
SW COMP 13	1	20									
	2	400									
	3	100									
	4	ND									
	5	ND									
	COMP	500		ND	ND	ND	ND	ND	476		
SW COMP 14	1	100									
	2	200									
	3	40									
	4	100									
	5	10									
	COMP	500		ND	ND	ND	ND	ND	484		
SW COMP 15	1	200									
	2	100									
	3	80									



	4	40									
	5	20									
	COMP	400		ND	ND	ND	ND	ND	429		
SW COMP 16	1	200									
	2	200									
	3	20									
	4	20									
	5	40									
	COMP	400		ND	ND	ND	ND	ND	411		
SW COMP 17	1	200									
	2	100									
	3	20									
	4	20									
	5	100									
	COMP	460		ND	ND	ND	ND	ND	427		
SW COMP 18	1	200									
	2	100									
	3	20									
	4	20									
	5	ND									
	COMP	400		ND	ND	ND	ND	ND	408		
SW COMP 19	1	ND									
	2	20									
	3	40									
	4	400									
	5	40									
	COMP	400		ND	ND	ND	ND	ND	411		
SW COMP 20	1	100									
	2	100									

	3	ND									
	4	100									
	5	20									
	COMP	240		ND	ND	ND	ND	ND	234		

Company Name: TAPROCK Location Name: JACKSON 6 SWD Release Date: 9/1/2021

**COMPOSITE SAMPLE DATA AND LAB ANALYSIS**

SP ID	Depth	Tit	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Soil	Notes
C1	3'	400	ND	ND	ND	ND	ND	ND	205		
C2	10'	400	ND	ND	ND	ND	ND	ND	227		
C3	10'	320	ND	ND	ND	ND	ND	ND	149		
C4	10'	320	ND	ND	ND	ND	ND	ND	139		
C5	10'	400	ND	ND	ND	ND	ND	ND	257		
C6	12'	400	ND	ND	ND	ND	ND	ND	241		
C7	12'	240	ND	ND	ND	ND	ND	ND	69.8		
C8	12'	320	ND	ND	ND	ND	ND	ND	263		
C9	12'	320	ND	ND	ND	ND	ND	ND	210		
C10	12'	400	ND	ND	ND	ND	ND	ND	193		
C11	12'	320	ND	ND	ND	ND	ND	ND	163		
C12	10'	400	ND	ND	ND	ND	ND	ND	410		
C13	6'	240	ND	ND	ND	ND	ND	ND	65.8		
C14	4'	320	ND	ND	ND	ND	ND	ND	160		
C15	6'	240	ND	ND	ND	ND	ND	ND	64.7		
C16	4'	320	ND	ND	ND	ND	ND	ND	187		
C17	6'	240	ND	ND	ND	ND	ND	ND	221		
C18	6'	400	ND	ND	ND	ND	ND	ND	265		
C19	4'	400	ND	ND	ND	ND	ND	ND	373		
C20	6'	400	ND	ND	ND	ND	ND	ND	331		
C21	4'	400	ND	ND	ND	ND	ND	ND	354		
C22A	6'	480	ND	ND	ND	31.1	55.5	86.6	602		
C22A	6'	200	ND	ND	ND	ND	ND	ND	132		
C23	4'	240	ND	ND	ND	ND	ND	ND	151		
C24	14'	400	ND	ND	ND	ND	ND	ND	308		
C25	4'	320	ND	ND	ND	ND	ND	ND	152		
C26	14'	500	ND	ND	ND	ND	84.1	84.1	479		
C26A	16'	200	ND	ND	ND	ND	ND	ND	136		
C27	10'	320	ND	ND	ND	ND	64.8	64.8	289		
C27A	12'	200	ND	ND	ND	ND	ND	ND	139		
C28	6	320	ND	ND	ND	ND	ND	ND	ND		

C29	10'	240	ND	ND	ND	ND	ND	ND	98.4		
C30	6'	200	ND	ND	ND	ND	57.7	57.7	182		
C30A	8'	200	ND	ND	ND	ND	ND	ND	195		
C31	6'	400	ND	ND	ND	ND	56.8	56.8	321		
C31A	8'	80	ND	ND	ND	ND	ND	ND	56.9		
C32	9'	320	ND	ND	ND	ND	64.4	64.4	174		
C32A	10'	200	ND	ND	ND	ND	ND	ND	194		
C33	9'	320	ND	ND	ND	ND	ND	ND	267		
C34	9'	320	ND	ND	ND	ND	ND	ND	176		
C35	8'	240	ND	ND	ND	ND	ND	ND	385		
C36	8'	400	ND	ND	ND	ND	ND	ND	272		
C37	8'	400	ND	ND	ND	ND	ND	ND	532		
C38	6'	480	ND	ND	ND	ND	ND	ND	441		
C39	8'	400	ND	ND	ND	ND	ND	ND	387		
C40	8'	480	ND	ND	ND	ND	ND	ND	425		
C41	6'	400	ND	ND	ND	ND	ND	ND	387		
C42	6'	480	ND	ND	ND	ND	ND	ND	555		
C43	11'	400	ND	ND	ND	ND	ND	ND	337		
C44	8'	400	ND	ND	ND	ND	ND	ND	229		
C45	6'	320	ND	ND	ND	ND	ND	ND	244		
C46	4'	320	ND	ND	ND	ND	ND	ND	229		
C47	11'	320	ND	ND	ND	ND	ND	ND	212		
C48	4'	320	ND	ND	ND	ND	ND	ND	185		
C49	4'	320	ND	ND	ND	ND	ND	ND	221		
C50	11'	240	ND	ND	ND	ND	ND	ND	331		
C51	11'	400	ND	ND	ND	ND	ND	ND	281		
C52	4'	320	ND	ND	ND	ND	ND	ND	195		
C53	4'	320	ND	ND	ND	ND	ND	ND	122		
C54	4'	320	ND	ND	ND	ND	ND	ND	327		
C55	4'	400	ND	ND	ND	ND	ND	ND	269		
C56	4'	200	ND	ND	ND	ND	ND	ND	228		
C57	4'	300	ND	ND	ND	ND	ND	ND	250		
C58	4'	300	ND	ND	ND	ND	ND	ND	269		
C59	4'	300	ND	ND	ND	ND	ND	ND	276		



C60	4'	480	ND	ND	ND	ND	ND	ND	418		
C61	4'	480	ND	ND	ND	ND	ND	ND	408		
C62	4'	400	ND	ND	ND	ND	ND	ND	401		
SW1		120	ND	ND	ND	ND	ND	ND	104		
SW2		140	ND	ND	ND	ND	ND	ND	133		
SW3		100	ND	ND	ND	ND	ND	ND	109		
SW4		240	ND	ND	ND	ND	ND	ND	239		
SW5		300	ND	ND	ND	ND	ND	ND	234		
SW6		300	ND	ND	ND	ND	ND	ND	239		
SW7		260	ND	ND	ND	ND	ND	ND	245		
SW8		300	ND	ND	ND	ND	ND	ND	260		
SW9		300	ND	ND	ND	ND	ND	ND	245		
SW10		500	ND	ND	ND	ND	ND	ND	489		
SW11		300	ND	ND	ND	ND	ND	ND	236		
SW12		300	ND	ND	ND	ND	ND	ND	229		
SW13		500	ND	ND	ND	ND	ND	ND	476		
SW14		500	ND	ND	ND	ND	ND	ND	484		
SW15		400	ND	ND	ND	ND	ND	ND	429		
SW16		400	ND	ND	ND	ND	ND	ND	411		
SW17		460	ND	ND	ND	ND	ND	ND	427		
SW18		400	ND	ND	ND	ND	ND	ND	408		
SW19		400	ND	ND	ND	ND	ND	ND	411		
SW20		240	ND	ND	ND	ND	ND	ND	234		

TAPROCK JACKSON 6 SWD

CLOSURE SAMPLE GPS

SP ID	LATITUDE	LONGITUDE
C1	32.207751	-103.603795
C2	32.207787	-103.603782
C3	32.207816	-103.603779
C4	32.20784	-103.603777
C5	32.207865	-103.603778
C6	32.207887	-103.603776
C7	32.207908	-103.60377
C8	32.207925	-103.603767
C9	32.20794	-103.603763
C10	32.207962	-103.603804
C11	32.20796	-103.603725
C12	32.207992	-103.603805
C13	32.207989	-103.603725
C14	32.208024	-103.603801
C15	32.208015	-103.603723
C16	32.20806	-103.603798
C17	32.208051	-103.603749
C18	32.208048	-103.603697
C19	32.208095	-103.603776
C20	32.208082	-103.603695
C21	32.20812	-103.60378
C22	32.208114	-103.603689
C23	32.208146	-103.603783
C24	32.208137	-103.603687
C25	32.208171	-103.60378
C26	32.208164	-103.603686
C27	32.208197	-103.603774
C28	32.207187	-103.603685
C29	32.207228	-103.603777
C30	32.207212	-103.603692
C31	32.208238	-103.603688
C32	32.208248	-103.609849
C33	32.208277	-103.603824
C34	32.208259	-103.603767
C35	32.208264	-103.603692
C36	32.208304	-103.603778
C37	32.208299	-103.603733
C38	32.208296	-103.603678
C39	32.208358	-103.603777
C40	32.208345	-103.603732
C41	32.208332	-103.603677
C42	32.208335	-103.603623
C43	32.208407	-103.603773

C44	32.208392	-103.603732
C45	32.208362	-103.60367
C46	32.208437	-103.603729
C47	32.20846	-103.603769
C48	32.208483	-103.602736
C49	32.208543	-103.603751
C50	32.208564	-103.60372
C51	32.20852	-103.603712
C52	32.208461	-103.603701
C53	32.208406	-103.603683
C54	32.208552	-103.603671
C55	32.208525	-103.603665
C56	32.208497	-103.60366
C57	32.208469	-103.603656
C58	32.208442	-103.603652
C59	32.208416	-103.603636
C60	32.20839	-103.603623
C61	32.208402	-103.60381
C62	32.20835	-103.603818
SW1	32.207719	-103.6038
SW2	32.20785	-103.603726
SW3	32.208024	-103.603667
SW4	32.208148	-103.603629
SW5	32.208286	-103.603642
SW6	32.20838	-103.603583
SW7	32.208487	-103.603618
SW8	32.208576	-103.603684
SW9	32.208553	-103.603768
SW10	32.2085	-103.603744
SW11	32.208442	-103.603818
SW12	32.208334	-103.603848
SW13	32.208288	-103.603839
SW14	32.208249	-103.603896
SW15	32.208196	-103.603819
SW16	32.20811	-103.60383
SW17	32.208013	-103.603841
SW18	32.207929	-103.603839
SW19	32.207851	-103.603824
SW20	32.207782	-103.603824

Report to:  
Natalie Gladden



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Tap Rock

Project Name: Blue Quill

Work Order: E109017

Job Number: 20046-0001

Received: 9/8/2021

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/9/21

5796 U.S. Hwy 64  
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
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Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.  
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)



Date Reported: 9/9/21



Natalie Gladden  
7 W. Compress Road  
Artesia, NM 88210

Project Name: Blue Quill  
Workorder: E109017  
Date Received: 9/8/2021 7:00:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/8/2021 7:00:00AM, under the Project Name: Blue Quill.

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

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

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

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

Respectfully,

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## Sample Summary

Tap Rock	Project Name:	Blue Quill	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	09/09/21 16:25

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP1	E109017-01A	Soil	09/03/21	09/08/21	Glass Jar, 4 oz.
SP2	E109017-02A	Soil	09/03/21	09/08/21	Glass Jar, 4 oz.
SP3	E109017-03A	Soil	09/03/21	09/08/21	Glass Jar, 4 oz.
SP4	E109017-04A	Soil	09/03/21	09/08/21	Glass Jar, 4 oz.
SP5	E109017-05A	Soil	09/03/21	09/08/21	Glass Jar, 4 oz.
SP6	E109017-06A	Soil	09/03/21	09/08/21	Glass Jar, 4 oz.
SP7	E109017-07A	Soil	09/03/21	09/08/21	Glass Jar, 4 oz.
SP8	E109017-08A	Soil	09/03/21	09/08/21	Glass Jar, 4 oz.
SP9	E109017-09A	Soil	09/03/21	09/08/21	Glass Jar, 4 oz.
SP10	E109017-10A	Soil	09/03/21	09/08/21	Glass Jar, 4 oz.
SP11	E109017-11A	Soil	09/03/21	09/08/21	Glass Jar, 4 oz.
SP12	E109017-12A	Soil	09/03/21	09/08/21	Glass Jar, 4 oz.
SP13	E109017-13A	Soil	09/03/21	09/08/21	Glass Jar, 4 oz.
SP14	E109017-14A	Soil	09/03/21	09/08/21	Glass Jar, 4 oz.
SP15	E109017-15A	Soil	09/03/21	09/08/21	Glass Jar, 4 oz.
SP16	E109017-16A	Soil	09/03/21	09/08/21	Glass Jar, 4 oz.
SP17	E109017-17A	Soil	09/03/21	09/08/21	Glass Jar, 4 oz.
SP18	E109017-18A	Soil	09/03/21	09/08/21	Glass Jar, 4 oz.





## Sample Data

Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Blue Quill Project Number: 20046-0001 Project Manager: Natalie Gladden	Reported: 9/9/2021 4:25:24PM
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## SP1

## E109017-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2137008
Benzene	ND	0.0250	1	09/08/21	09/08/21	
Ethylbenzene	ND	0.0250	1	09/08/21	09/08/21	
Toluene	ND	0.0250	1	09/08/21	09/08/21	
o-Xylene	ND	0.0250	1	09/08/21	09/08/21	
p,m-Xylene	ND	0.0500	1	09/08/21	09/08/21	
Total Xylenes	ND	0.0250	1	09/08/21	09/08/21	
Surrogate: Bromofluorobenzene	99.2 %	70-130		09/08/21	09/08/21	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		09/08/21	09/08/21	
Surrogate: Toluene-d8	105 %	70-130		09/08/21	09/08/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2137008
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/21	09/08/21	
Surrogate: Bromofluorobenzene	99.2 %	70-130		09/08/21	09/08/21	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		09/08/21	09/08/21	
Surrogate: Toluene-d8	105 %	70-130		09/08/21	09/08/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2137012
Diesel Range Organics (C10-C28)	69.7	25.0	1	09/08/21	09/08/21	
Oil Range Organics (C28-C36)	63.0	50.0	1	09/08/21	09/08/21	
Surrogate: n-Nonane	83.3 %	50-200		09/08/21	09/08/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2137010
Chloride	1830	20.0	1	09/08/21	09/08/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Blue Quill  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
9/9/2021 4:25:24PM

## SP2

## E109017-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2137008
Benzene	ND	0.0250	1	09/08/21	09/09/21	
Ethylbenzene	ND	0.0250	1	09/08/21	09/09/21	
Toluene	ND	0.0250	1	09/08/21	09/09/21	
o-Xylene	ND	0.0250	1	09/08/21	09/09/21	
p,m-Xylene	ND	0.0500	1	09/08/21	09/09/21	
Total Xylenes	ND	0.0250	1	09/08/21	09/09/21	
Surrogate: Bromofluorobenzene		102 %	70-130	09/08/21	09/09/21	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	09/08/21	09/09/21	
Surrogate: Toluene-d8		107 %	70-130	09/08/21	09/09/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2137008
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/21	09/09/21	
Surrogate: Bromofluorobenzene		102 %	70-130	09/08/21	09/09/21	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	09/08/21	09/09/21	
Surrogate: Toluene-d8		107 %	70-130	09/08/21	09/09/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2137012
Diesel Range Organics (C10-C28)	1610	25.0	1	09/09/21	09/09/21	
Oil Range Organics (C28-C36)	815	50.0	1	09/09/21	09/09/21	
Surrogate: n-Nonane		87.2 %	50-200	09/09/21	09/09/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2137010
Chloride	7590	200	10	09/08/21	09/09/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Blue Quill  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
9/9/2021 4:25:24PM

## SP3

## E109017-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2137008	
Benzene	ND	0.0250	1	09/08/21	09/08/21	
Ethylbenzene	ND	0.0250	1	09/08/21	09/08/21	
Toluene	ND	0.0250	1	09/08/21	09/08/21	
o-Xylene	ND	0.0250	1	09/08/21	09/08/21	
p,m-Xylene	ND	0.0500	1	09/08/21	09/08/21	
Total Xylenes	ND	0.0250	1	09/08/21	09/08/21	
Surrogate: Bromofluorobenzene	95.3 %	70-130		09/08/21	09/08/21	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		09/08/21	09/08/21	
Surrogate: Toluene-d8	102 %	70-130		09/08/21	09/08/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2137008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/21	09/08/21	
Surrogate: Bromofluorobenzene	95.3 %	70-130		09/08/21	09/08/21	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		09/08/21	09/08/21	
Surrogate: Toluene-d8	102 %	70-130		09/08/21	09/08/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2137012	
Diesel Range Organics (C10-C28)	63.1	25.0	1	09/08/21	09/08/21	
Oil Range Organics (C28-C36)	53.7	50.0	1	09/08/21	09/08/21	
Surrogate: n-Nonane	96.4 %	50-200		09/08/21	09/08/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2137010	
Chloride	6670	100	5	09/08/21	09/08/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Blue Quill  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
9/9/2021 4:25:24PM

## SP4

## E109017-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2137008
Benzene	ND	0.0250	1	09/08/21	09/08/21	
Ethylbenzene	ND	0.0250	1	09/08/21	09/08/21	
Toluene	ND	0.0250	1	09/08/21	09/08/21	
o-Xylene	ND	0.0250	1	09/08/21	09/08/21	
p,m-Xylene	ND	0.0500	1	09/08/21	09/08/21	
Total Xylenes	ND	0.0250	1	09/08/21	09/08/21	
Surrogate: Bromofluorobenzene	97.3 %	70-130		09/08/21	09/08/21	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		09/08/21	09/08/21	
Surrogate: Toluene-d8	106 %	70-130		09/08/21	09/08/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2137008
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/21	09/08/21	
Surrogate: Bromofluorobenzene	97.3 %	70-130		09/08/21	09/08/21	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		09/08/21	09/08/21	
Surrogate: Toluene-d8	106 %	70-130		09/08/21	09/08/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2137012
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/21	09/08/21	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/21	09/08/21	
Surrogate: n-Nonane	84.1 %	50-200		09/08/21	09/08/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2137010
Chloride	16900	400	20	09/08/21	09/08/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Blue Quill  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
9/9/2021 4:25:24PM

## SP5

## E109017-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2137008	
Benzene	ND	0.0250	1	09/08/21	09/08/21	
Ethylbenzene	ND	0.0250	1	09/08/21	09/08/21	
Toluene	ND	0.0250	1	09/08/21	09/08/21	
o-Xylene	ND	0.0250	1	09/08/21	09/08/21	
p,m-Xylene	ND	0.0500	1	09/08/21	09/08/21	
Total Xylenes	ND	0.0250	1	09/08/21	09/08/21	
Surrogate: Bromofluorobenzene	97.6 %	70-130		09/08/21	09/08/21	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		09/08/21	09/08/21	
Surrogate: Toluene-d8	106 %	70-130		09/08/21	09/08/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2137008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/21	09/08/21	
Surrogate: Bromofluorobenzene	97.6 %	70-130		09/08/21	09/08/21	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		09/08/21	09/08/21	
Surrogate: Toluene-d8	106 %	70-130		09/08/21	09/08/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2137012	
Diesel Range Organics (C10-C28)	50.1	25.0	1	09/08/21	09/08/21	
Oil Range Organics (C28-C36)	57.6	50.0	1	09/08/21	09/08/21	
Surrogate: n-Nonane	95.1 %	50-200		09/08/21	09/08/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2137010	
Chloride	7990	200	10	09/08/21	09/08/21	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Blue Quill  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
9/9/2021 4:25:24PM

## SP6

## E109017-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2137008
Benzene	ND	0.0250	1	09/08/21	09/08/21	
Ethylbenzene	ND	0.0250	1	09/08/21	09/08/21	
Toluene	ND	0.0250	1	09/08/21	09/08/21	
o-Xylene	ND	0.0250	1	09/08/21	09/08/21	
p,m-Xylene	ND	0.0500	1	09/08/21	09/08/21	
Total Xylenes	ND	0.0250	1	09/08/21	09/08/21	
Surrogate: Bromofluorobenzene		101 %	70-130	09/08/21	09/08/21	
Surrogate: 1,2-Dichloroethane-d4		93.6 %	70-130	09/08/21	09/08/21	
Surrogate: Toluene-d8		107 %	70-130	09/08/21	09/08/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2137008
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/21	09/08/21	
Surrogate: Bromofluorobenzene		101 %	70-130	09/08/21	09/08/21	
Surrogate: 1,2-Dichloroethane-d4		93.6 %	70-130	09/08/21	09/08/21	
Surrogate: Toluene-d8		107 %	70-130	09/08/21	09/08/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2137012
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/21	09/08/21	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/21	09/08/21	
Surrogate: n-Nonane		100 %	50-200	09/08/21	09/08/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2137010
Chloride	180	20.0	1	09/08/21	09/08/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Blue Quill  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
9/9/2021 4:25:24PM

## SP7

## E109017-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2137008	
Benzene	ND	0.0250	1	09/08/21	09/08/21	
Ethylbenzene	ND	0.0250	1	09/08/21	09/08/21	
Toluene	ND	0.0250	1	09/08/21	09/08/21	
o-Xylene	ND	0.0250	1	09/08/21	09/08/21	
p,m-Xylene	ND	0.0500	1	09/08/21	09/08/21	
Total Xylenes	ND	0.0250	1	09/08/21	09/08/21	
Surrogate: Bromofluorobenzene		100 %	70-130	09/08/21	09/08/21	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	09/08/21	09/08/21	
Surrogate: Toluene-d8		107 %	70-130	09/08/21	09/08/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2137008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/21	09/08/21	
Surrogate: Bromofluorobenzene		100 %	70-130	09/08/21	09/08/21	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	09/08/21	09/08/21	
Surrogate: Toluene-d8		107 %	70-130	09/08/21	09/08/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2137012	
Diesel Range Organics (C10-C28)	490	25.0	1	09/08/21	09/08/21	
Oil Range Organics (C28-C36)	278	50.0	1	09/08/21	09/08/21	
Surrogate: n-Nonane		108 %	50-200	09/08/21	09/08/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2137010	
Chloride	199	20.0	1	09/08/21	09/08/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Blue Quill  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
9/9/2021 4:25:24PM

## SP8

## E109017-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2137008	
Benzene	ND	0.0250	1	09/08/21	09/08/21	
Ethylbenzene	ND	0.0250	1	09/08/21	09/08/21	
Toluene	ND	0.0250	1	09/08/21	09/08/21	
o-Xylene	ND	0.0250	1	09/08/21	09/08/21	
p,m-Xylene	ND	0.0500	1	09/08/21	09/08/21	
Total Xylenes	ND	0.0250	1	09/08/21	09/08/21	
Surrogate: Bromofluorobenzene	97.0 %	70-130		09/08/21	09/08/21	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		09/08/21	09/08/21	
Surrogate: Toluene-d8	105 %	70-130		09/08/21	09/08/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2137008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/21	09/08/21	
Surrogate: Bromofluorobenzene	97.0 %	70-130		09/08/21	09/08/21	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		09/08/21	09/08/21	
Surrogate: Toluene-d8	105 %	70-130		09/08/21	09/08/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2137012	
Diesel Range Organics (C10-C28)	26.3	25.0	1	09/08/21	09/08/21	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/21	09/08/21	
Surrogate: n-Nonane	99.9 %	50-200		09/08/21	09/08/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2137010	
Chloride	10600	400	20	09/08/21	09/08/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Blue Quill  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
9/9/2021 4:25:24PM

## SP9

## E109017-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2137008	
Benzene	ND	0.0250	1	09/08/21	09/08/21	
Ethylbenzene	ND	0.0250	1	09/08/21	09/08/21	
Toluene	ND	0.0250	1	09/08/21	09/08/21	
o-Xylene	ND	0.0250	1	09/08/21	09/08/21	
p,m-Xylene	ND	0.0500	1	09/08/21	09/08/21	
Total Xylenes	ND	0.0250	1	09/08/21	09/08/21	
Surrogate: Bromofluorobenzene		102 %	70-130	09/08/21	09/08/21	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	09/08/21	09/08/21	
Surrogate: Toluene-d8		107 %	70-130	09/08/21	09/08/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2137008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/21	09/08/21	
Surrogate: Bromofluorobenzene		102 %	70-130	09/08/21	09/08/21	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	09/08/21	09/08/21	
Surrogate: Toluene-d8		107 %	70-130	09/08/21	09/08/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2137012	
Diesel Range Organics (C10-C28)	163	25.0	1	09/08/21	09/08/21	
Oil Range Organics (C28-C36)	112	50.0	1	09/08/21	09/08/21	
Surrogate: n-Nonane		104 %	50-200	09/08/21	09/08/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2137010	
Chloride	6050	100	5	09/08/21	09/08/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Blue Quill  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
9/9/2021 4:25:24PM

## SP10

## E109017-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2137008	
Benzene	ND	0.0250	1	09/08/21	09/08/21	
Ethylbenzene	ND	0.0250	1	09/08/21	09/08/21	
Toluene	ND	0.0250	1	09/08/21	09/08/21	
o-Xylene	ND	0.0250	1	09/08/21	09/08/21	
p,m-Xylene	ND	0.0500	1	09/08/21	09/08/21	
Total Xylenes	ND	0.0250	1	09/08/21	09/08/21	
Surrogate: Bromofluorobenzene	99.1 %	70-130		09/08/21	09/08/21	
Surrogate: 1,2-Dichloroethane-d4	112 %	70-130		09/08/21	09/08/21	
Surrogate: Toluene-d8	107 %	70-130		09/08/21	09/08/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2137008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/21	09/08/21	
Surrogate: Bromofluorobenzene	99.1 %	70-130		09/08/21	09/08/21	
Surrogate: 1,2-Dichloroethane-d4	112 %	70-130		09/08/21	09/08/21	
Surrogate: Toluene-d8	107 %	70-130		09/08/21	09/08/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2137012	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/21	09/08/21	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/21	09/08/21	
Surrogate: n-Nonane	108 %	50-200		09/08/21	09/08/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2137010	
Chloride	12100	400	20	09/08/21	09/09/21	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Blue Quill  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
9/9/2021 4:25:24PM

## SP11

## E109017-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2137008
Benzene	ND	0.0250	1	09/08/21	09/08/21	
Ethylbenzene	ND	0.0250	1	09/08/21	09/08/21	
Toluene	ND	0.0250	1	09/08/21	09/08/21	
o-Xylene	ND	0.0250	1	09/08/21	09/08/21	
p,m-Xylene	ND	0.0500	1	09/08/21	09/08/21	
Total Xylenes	ND	0.0250	1	09/08/21	09/08/21	
Surrogate: Bromofluorobenzene		102 %	70-130	09/08/21	09/08/21	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	09/08/21	09/08/21	
Surrogate: Toluene-d8		108 %	70-130	09/08/21	09/08/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2137008
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/21	09/08/21	
Surrogate: Bromofluorobenzene		102 %	70-130	09/08/21	09/08/21	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	09/08/21	09/08/21	
Surrogate: Toluene-d8		108 %	70-130	09/08/21	09/08/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2137012
Diesel Range Organics (C10-C28)	248	25.0	1	09/08/21	09/09/21	
Oil Range Organics (C28-C36)	165	50.0	1	09/08/21	09/09/21	
Surrogate: n-Nonane		104 %	50-200	09/08/21	09/09/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2137010
Chloride	8310	200	10	09/08/21	09/09/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Blue Quill  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
9/9/2021 4:25:24PM

## SP12

## E109017-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2137008
Benzene	ND	0.0250	1	09/08/21	09/09/21	
Ethylbenzene	ND	0.0250	1	09/08/21	09/09/21	
Toluene	ND	0.0250	1	09/08/21	09/09/21	
o-Xylene	ND	0.0250	1	09/08/21	09/09/21	
p,m-Xylene	ND	0.0500	1	09/08/21	09/09/21	
Total Xylenes	ND	0.0250	1	09/08/21	09/09/21	
Surrogate: Bromofluorobenzene		101 %	70-130	09/08/21	09/09/21	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	09/08/21	09/09/21	
Surrogate: Toluene-d8		106 %	70-130	09/08/21	09/09/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2137008
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/21	09/09/21	
Surrogate: Bromofluorobenzene		101 %	70-130	09/08/21	09/09/21	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	09/08/21	09/09/21	
Surrogate: Toluene-d8		106 %	70-130	09/08/21	09/09/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2137012
Diesel Range Organics (C10-C28)	118	25.0	1	09/09/21	09/09/21	
Oil Range Organics (C28-C36)	96.0	50.0	1	09/09/21	09/09/21	
Surrogate: n-Nonane		100 %	50-200	09/09/21	09/09/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2137010
Chloride	4580	100	5	09/08/21	09/09/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Blue Quill  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
9/9/2021 4:25:24PM

## SP13

## E109017-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2137008	
Benzene	ND	0.0250	1	09/08/21	09/08/21	
Ethylbenzene	ND	0.0250	1	09/08/21	09/08/21	
Toluene	ND	0.0250	1	09/08/21	09/08/21	
o-Xylene	ND	0.0250	1	09/08/21	09/08/21	
p,m-Xylene	ND	0.0500	1	09/08/21	09/08/21	
Total Xylenes	ND	0.0250	1	09/08/21	09/08/21	
Surrogate: Bromofluorobenzene		101 %	70-130	09/08/21	09/08/21	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	09/08/21	09/08/21	
Surrogate: Toluene-d8		104 %	70-130	09/08/21	09/08/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2137008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/21	09/08/21	
Surrogate: Bromofluorobenzene		101 %	70-130	09/08/21	09/08/21	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	09/08/21	09/08/21	
Surrogate: Toluene-d8		104 %	70-130	09/08/21	09/08/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2137012	
Diesel Range Organics (C10-C28)	54.5	25.0	1	09/08/21	09/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/21	09/09/21	
Surrogate: n-Nonane		105 %	50-200	09/08/21	09/09/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2137010	
Chloride	9370	200	10	09/08/21	09/09/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Blue Quill  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
9/9/2021 4:25:24PM

## SP14

## E109017-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2137008	
Benzene	ND	0.0250	1	09/08/21	09/08/21	
Ethylbenzene	ND	0.0250	1	09/08/21	09/08/21	
Toluene	ND	0.0250	1	09/08/21	09/08/21	
o-Xylene	ND	0.0250	1	09/08/21	09/08/21	
p,m-Xylene	ND	0.0500	1	09/08/21	09/08/21	
Total Xylenes	ND	0.0250	1	09/08/21	09/08/21	
Surrogate: Bromofluorobenzene	99.0 %	70-130		09/08/21	09/08/21	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		09/08/21	09/08/21	
Surrogate: Toluene-d8	105 %	70-130		09/08/21	09/08/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2137008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/21	09/08/21	
Surrogate: Bromofluorobenzene	99.0 %	70-130		09/08/21	09/08/21	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		09/08/21	09/08/21	
Surrogate: Toluene-d8	105 %	70-130		09/08/21	09/08/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2137012	
Diesel Range Organics (C10-C28)	191	25.0	1	09/08/21	09/09/21	
Oil Range Organics (C28-C36)	134	50.0	1	09/08/21	09/09/21	
Surrogate: n-Nonane	103 %	50-200		09/08/21	09/09/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2137010	
Chloride	9100	200	10	09/08/21	09/09/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Blue Quill  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
9/9/2021 4:25:24PM

## SP15

## E109017-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2137008	
Benzene	ND	0.0250	1	09/08/21	09/08/21	
Ethylbenzene	ND	0.0250	1	09/08/21	09/08/21	
Toluene	ND	0.0250	1	09/08/21	09/08/21	
o-Xylene	ND	0.0250	1	09/08/21	09/08/21	
p,m-Xylene	ND	0.0500	1	09/08/21	09/08/21	
Total Xylenes	ND	0.0250	1	09/08/21	09/08/21	
Surrogate: Bromofluorobenzene		101 %	70-130	09/08/21	09/08/21	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	09/08/21	09/08/21	
Surrogate: Toluene-d8		105 %	70-130	09/08/21	09/08/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2137008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/21	09/08/21	
Surrogate: Bromofluorobenzene		101 %	70-130	09/08/21	09/08/21	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	09/08/21	09/08/21	
Surrogate: Toluene-d8		105 %	70-130	09/08/21	09/08/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2137012	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/21	09/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/21	09/09/21	
Surrogate: n-Nonane		104 %	50-200	09/08/21	09/09/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2137010	
Chloride	16300	400	20	09/08/21	09/09/21	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Blue Quill  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
9/9/2021 4:25:24PM

## SP16

## E109017-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2137008
Benzene	ND	0.0250	1	09/08/21	09/08/21	
Ethylbenzene	ND	0.0250	1	09/08/21	09/08/21	
Toluene	ND	0.0250	1	09/08/21	09/08/21	
o-Xylene	ND	0.0250	1	09/08/21	09/08/21	
p,m-Xylene	ND	0.0500	1	09/08/21	09/08/21	
Total Xylenes	ND	0.0250	1	09/08/21	09/08/21	
Surrogate: Bromofluorobenzene		100 %	70-130	09/08/21	09/08/21	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	09/08/21	09/08/21	
Surrogate: Toluene-d8		108 %	70-130	09/08/21	09/08/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2137008
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/21	09/08/21	
Surrogate: Bromofluorobenzene		100 %	70-130	09/08/21	09/08/21	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	09/08/21	09/08/21	
Surrogate: Toluene-d8		108 %	70-130	09/08/21	09/08/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2137012
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/21	09/09/21	
Oil Range Organics (C28-C36)	69.2	50.0	1	09/08/21	09/09/21	
Surrogate: n-Nonane		104 %	50-200	09/08/21	09/09/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2137010
Chloride	8450	200	10	09/08/21	09/09/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Blue Quill  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
9/9/2021 4:25:24PM

## SP17

## E109017-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2137008
Benzene	ND	0.0250	1	09/08/21	09/08/21	
Ethylbenzene	ND	0.0250	1	09/08/21	09/08/21	
Toluene	ND	0.0250	1	09/08/21	09/08/21	
o-Xylene	ND	0.0250	1	09/08/21	09/08/21	
p,m-Xylene	ND	0.0500	1	09/08/21	09/08/21	
Total Xylenes	ND	0.0250	1	09/08/21	09/08/21	
Surrogate: Bromofluorobenzene	97.0 %	70-130		09/08/21	09/08/21	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		09/08/21	09/08/21	
Surrogate: Toluene-d8	108 %	70-130		09/08/21	09/08/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2137008
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/21	09/08/21	
Surrogate: Bromofluorobenzene	97.0 %	70-130		09/08/21	09/08/21	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		09/08/21	09/08/21	
Surrogate: Toluene-d8	108 %	70-130		09/08/21	09/08/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2137012
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/21	09/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/21	09/09/21	
Surrogate: n-Nonane	95.4 %	50-200		09/08/21	09/09/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2137010
Chloride	10000	400	20	09/08/21	09/09/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Blue Quill  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
9/9/2021 4:25:24PM

## SP18

## E109017-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2137008
Benzene	ND	0.0250	1	09/08/21	09/08/21	
Ethylbenzene	ND	0.0250	1	09/08/21	09/08/21	
Toluene	ND	0.0250	1	09/08/21	09/08/21	
o-Xylene	ND	0.0250	1	09/08/21	09/08/21	
p,m-Xylene	ND	0.0500	1	09/08/21	09/08/21	
Total Xylenes	ND	0.0250	1	09/08/21	09/08/21	
Surrogate: Bromofluorobenzene	97.2 %	70-130		09/08/21	09/08/21	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		09/08/21	09/08/21	
Surrogate: Toluene-d8	108 %	70-130		09/08/21	09/08/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2137008
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/21	09/08/21	
Surrogate: Bromofluorobenzene	97.2 %	70-130		09/08/21	09/08/21	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		09/08/21	09/08/21	
Surrogate: Toluene-d8	108 %	70-130		09/08/21	09/08/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2137012
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/21	09/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/21	09/09/21	
Surrogate: n-Nonane	102 %	50-200		09/08/21	09/09/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2137010
Chloride	77.0	20.0	1	09/08/21	09/09/21	



## QC Summary Data

Tap Rock	Project Name:	Blue Quill	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	9/9/2021 4:25:24PM

## Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

## Blank (2137008-BLK1)

Prepared: 09/08/21 Analyzed: 09/08/21

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: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			

## LCS (2137008-BS1)

Prepared: 09/08/21 Analyzed: 09/08/21

Benzene	2.37	0.0250	2.50		94.9	70-130			
Ethylbenzene	2.57	0.0250	2.50		103	70-130			
Toluene	2.59	0.0250	2.50		103	70-130			
o-Xylene	2.44	0.0250	2.50		97.5	70-130			
p,m-Xylene	5.09	0.0500	5.00		102	70-130			
Total Xylenes	7.53	0.0250	7.50		100	70-130			
Surrogate: Bromofluorobenzene	0.487		0.500		97.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130			
Surrogate: Toluene-d8	0.539		0.500		108	70-130			

## Matrix Spike (2137008-MS1)

Source: E109017-01

Prepared: 09/08/21 Analyzed: 09/08/21

Benzene	2.53	0.0250	2.50	ND	101	48-131			
Ethylbenzene	2.76	0.0250	2.50	ND	111	45-135			
Toluene	2.73	0.0250	2.50	ND	109	48-130			
o-Xylene	2.62	0.0250	2.50	ND	105	43-135			
p,m-Xylene	5.43	0.0500	5.00	ND	109	43-135			
Total Xylenes	8.05	0.0250	7.50	ND	107	43-135			
Surrogate: Bromofluorobenzene	0.489		0.500		97.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.526		0.500		105	70-130			
Surrogate: Toluene-d8	0.531		0.500		106	70-130			

## Matrix Spike Dup (2137008-MSD1)

Source: E109017-01

Prepared: 09/08/21 Analyzed: 09/08/21

Benzene	2.53	0.0250	2.50	ND	101	48-131	0.0791	23	
Ethylbenzene	2.73	0.0250	2.50	ND	109	45-135	1.40	27	
Toluene	2.71	0.0250	2.50	ND	108	48-130	0.644	24	
o-Xylene	2.58	0.0250	2.50	ND	103	43-135	1.52	27	
p,m-Xylene	5.34	0.0500	5.00	ND	107	43-135	1.76	27	
Total Xylenes	7.92	0.0250	7.50	ND	106	43-135	1.68	27	
Surrogate: Bromofluorobenzene	0.480		0.500		95.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.541		0.500		108	70-130			
Surrogate: Toluene-d8	0.540		0.500		108	70-130			



## QC Summary Data

Tap Rock	Project Name:	Blue Quill	<b>Reported:</b>
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	9/9/2021 4:25:24PM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2137008-BLK1)

Prepared: 09/08/21 Analyzed: 09/08/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			

## LCS (2137008-BS2)

Prepared: 09/08/21 Analyzed: 09/09/21

Gasoline Range Organics (C6-C10)	49.8	20.0	50.0		99.5	70-130			
Surrogate: Bromofluorobenzene	0.478		0.500		95.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.519		0.500		104	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			

## Matrix Spike (2137008-MS2)

Source: E109017-01

Prepared: 09/08/21 Analyzed: 09/09/21

Gasoline Range Organics (C6-C10)	50.6	20.0	50.0	ND	101	70-130			
Surrogate: Bromofluorobenzene	0.492		0.500		98.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.542		0.500		108	70-130			
Surrogate: Toluene-d8	0.534		0.500		107	70-130			

## Matrix Spike Dup (2137008-MSD2)

Source: E109017-01

Prepared: 09/08/21 Analyzed: 09/09/21

Gasoline Range Organics (C6-C10)	50.5	20.0	50.0	ND	101	70-130	0.108	20	
Surrogate: Bromofluorobenzene	0.478		0.500		95.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.532		0.500		106	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			





## QC Summary Data

Tap Rock	Project Name:	Blue Quill	<b>Reported:</b>
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	9/9/2021 4:25:24PM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2137012-BLK1)

Prepared: 09/08/21 Analyzed: 09/08/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	39.3		50.0		78.5	50-200			

## LCS (2137012-BS1)

Prepared: 09/08/21 Analyzed: 09/08/21

Diesel Range Organics (C10-C28)	439	25.0	500		87.8	38-132			
Surrogate: <i>n</i> -Nonane	43.3		50.0		86.5	50-200			

## Matrix Spike (2137012-MS1)

Source: E109017-04

Prepared: 09/08/21 Analyzed: 09/08/21

Diesel Range Organics (C10-C28)	472	25.0	500	ND	94.5	38-132			
Surrogate: <i>n</i> -Nonane	44.6		50.0		89.2	50-200			

## Matrix Spike Dup (2137012-MSD1)

Source: E109017-04

Prepared: 09/08/21 Analyzed: 09/08/21

Diesel Range Organics (C10-C28)	474	25.0	500	ND	94.8	38-132	0.351	20	
Surrogate: <i>n</i> -Nonane	45.8		50.0		91.7	50-200			



## QC Summary Data

Tap Rock	Project Name:	Blue Quill	<b>Reported:</b>
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	9/9/2021 4:25:24PM

## Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2137010-BLK1)

Prepared: 09/08/21 Analyzed: 09/08/21

Chloride	ND	20.0
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## LCS (2137010-BS1)

Prepared: 09/08/21 Analyzed: 09/08/21

Chloride	247	20.0	250	98.8	90-110
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## Matrix Spike (2137010-MS1)

Source: E109017-01

Prepared: 09/08/21 Analyzed: 09/08/21

Chloride	2110	20.0	250	1830	113	80-120
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## Matrix Spike Dup (2137010-MSD1)

Source: E109017-01

Prepared: 09/08/21 Analyzed: 09/08/21

Chloride	1990	20.0	250	1830	65.7	80-120	5.73	20	M2
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## 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:	Blue Quill	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	09/09/21 16:25

- 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: <u>Spur Trench</u>		Bill To		Lab Use Only		TAT		EPA Program					
Project: <u>Blue Creek</u>		Attention: <u>ESS</u>		Lab WO# <u>E109017</u>		Job Number <u>2004160001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager:		Address: <u>7 W Compress Rd</u>		Analysis and Method									
Address:		City, State, Zip <u>Artesia, NM</u>											RCRA
City, State, Zip		Phone:											
Phone:		Email: <u>Natalie Gladden</u>											
Email: <u>Natalie Gladden</u>													
Report due by:													

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	BGDOC - NM	BGDOC - TX	Remarks
	9-3-21	S	1	SP 1	1							X		
				SP 2	2									
				SP 3	3									
				SP 4	4									
				SP 5	5									
				SP 6	6									
				SP 7	7									
				SP 8	8									
				SP 9	9									
				SP 10	10									

## Additional Instructions:

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

Sampled by: [Signature]

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <u>[Signature]</u>	Date <u>9-3-21</u>	Time	Received by: (Signature) <u>[Signature]</u>	Date <u>9-7-21</u>	Time <u>1430</u>	Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>9-7-21</u>	Time <u>1500</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>9/8/21</u>	Time <u>7:00</u>	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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.



## Project Information

## Chain of Custody

Page 2 of 2

Client: <u>Tigraeth</u>					Bill To					Lab Use Only					TAT		EPA Program							
Project: <u>Blue Quail</u>					Attention: <u>ESS</u>					Lab WO# <u>PE109017</u>					1D		3D		RCRA		CWA		SDWA	
Project Manager:					Address: <u>7 W. compass rd</u>					Job Number <u>20046-0001</u>														
Address:					City, State, Zip <u>Artesia, NM</u>					Analysis and Method <u>AM9/8/21</u>														
City, State, Zip					Phone:																			
Phone:					Email: <u>natashia.gladwin</u>																			
Email:																								
Report due by:																								
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX					NM	CO	UT	AZ	
	9-3-21		1	SP11	11									X						X				
				SP12	12																			
				SP13	13																			
				SP14	14																			
				SP15	15																			
				SP16	16																			
				SP17	17																			
				SP18	18																			

## Additional Instructions:

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

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <u>[Signature]</u>	Date <u>9-3-21</u>	Time	Received by: (Signature) <u>[Signature]</u>	Date <u>9-7-21</u>	Time <u>1430</u>	Lab Use Only Received on ice: <u>(Y) N</u> T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>9-7-21</u>	Time <u>1500</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>9/8/21</u>	Time <u>7:00</u>	
Relinquished by: (Signature) _____	Date _____	Time _____	Received by: (Signature) _____	Date _____	Time _____	

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

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

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



## Envirotech Analytical Laboratory

Printed: 9/8/2021 8:29:43AM

## 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:	09/08/21 07:00	Work Order ID:	E109017
Phone:	(575) 390-6397	Date Logged In:	09/08/21 08:00	Logged In By:	Alexa Michaels
Email:	natalie@energystaffingllc.com	Due Date:	09/09/21 17:00 (1 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CarrierComments/Resolution

Sample#2 was mislabeled as SP12

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

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

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 

Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:  
Natalie Gladden



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Tap Rock

Project Name: Jackson 6 SWD

Work Order: E110003

Job Number: 20046-0001

Received: 10/2/2021

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/5/21

5796 U.S. Hwy 64  
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.  
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/5/21

Natalie Gladden  
7 W. Compress Road  
Artesia, NM 88210



Project Name: Jackson 6 SWD  
Workorder: E110003  
Date Received: 10/2/2021 11:00:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/2/2021 11:00:00AM, under the Project Name: Jackson 6 SWD.

The analytical test results summarized in this report with the Project Name: Jackson 6 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
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**Alexa Michaels**  
Sample Custody Officer  
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[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

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[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**West Texas Midland/Odessa Area**  
**Tom Brown**  
Technical Representative  
Cell: 832-444-7704  
[tbrown@envirotech-inc.com](mailto:tbrown@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

Tap Rock	Project Name:	Jackson 6 SWD	<b>Reported:</b> 10/05/21 14:05
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP1-6	E110003-01A	Soil	09/24/21	10/02/21	Glass Jar, 4 oz.
SP2-6	E110003-02A	Soil	09/24/21	10/02/21	Glass Jar, 4 oz.
SP3-6	E110003-03A	Soil	09/24/21	10/02/21	Glass Jar, 4 oz.
SP4-6	E110003-04A	Soil	09/24/21	10/02/21	Glass Jar, 4 oz.
SP5-6	E110003-05A	Soil	09/24/21	10/02/21	Glass Jar, 4 oz.
SP10-12'	E110003-06A	Soil	09/24/21	10/02/21	Glass Jar, 4 oz.
SP11-6'	E110003-07A	Soil	09/24/21	10/02/21	Glass Jar, 4 oz.
SP12-8'	E110003-08A	Soil	09/24/21	10/02/21	Glass Jar, 4 oz.
SP13-6'	E110003-09A	Soil	09/24/21	10/02/21	Glass Jar, 4 oz.
SP14-6'	E110003-10A	Soil	09/24/21	10/02/21	Glass Jar, 4 oz.
SP15-6	E110003-11A	Soil	09/24/21	10/02/21	Glass Jar, 4 oz.
SP16-10	E110003-12A	Soil	09/24/21	10/02/21	Glass Jar, 4 oz.
SP17-6	E110003-13A	Soil	09/24/21	10/02/21	Glass Jar, 4 oz.
SP18-6	E110003-14A	Soil	09/24/21	10/02/21	Glass Jar, 4 oz.



## Sample Data

Tap Rock	Project Name:	Jackson 6 SWD	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	10/5/2021 2:05:56PM

## SP1-6

## E110003-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2140038
Benzene	ND	0.0250	1	10/02/21	10/03/21	
Ethylbenzene	ND	0.0250	1	10/02/21	10/03/21	
Toluene	ND	0.0250	1	10/02/21	10/03/21	
o-Xylene	ND	0.0250	1	10/02/21	10/03/21	
p,m-Xylene	ND	0.0500	1	10/02/21	10/03/21	
Total Xylenes	ND	0.0250	1	10/02/21	10/03/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.8 %	70-130		10/02/21	10/03/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2140038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/21	10/03/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.8 %	70-130		10/02/21	10/03/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2141001
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/21	10/04/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/21	10/04/21	
<i>Surrogate: n-Nonane</i>	105 %	50-200		10/04/21	10/04/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2141004
Chloride	173	20.0	1	10/04/21	10/04/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
10/5/2021 2:05:56PM

## SP2-6

## E110003-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2140038
Benzene	ND	0.0250	1	10/02/21	10/03/21	
Ethylbenzene	ND	0.0250	1	10/02/21	10/03/21	
Toluene	ND	0.0250	1	10/02/21	10/03/21	
o-Xylene	ND	0.0250	1	10/02/21	10/03/21	
p,m-Xylene	ND	0.0500	1	10/02/21	10/03/21	
Total Xylenes	ND	0.0250	1	10/02/21	10/03/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.8 %	70-130		10/02/21	10/03/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2140038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/21	10/03/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.0 %	70-130		10/02/21	10/03/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2141001
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/21	10/04/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/21	10/04/21	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		10/04/21	10/04/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2141004
Chloride	1810	20.0	1	10/04/21	10/04/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
10/5/2021 2:05:56PM

## SP3-6

## E110003-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2140038
Benzene	ND	0.0250	1	10/02/21	10/03/21	
Ethylbenzene	ND	0.0250	1	10/02/21	10/03/21	
Toluene	ND	0.0250	1	10/02/21	10/03/21	
o-Xylene	ND	0.0250	1	10/02/21	10/03/21	
p,m-Xylene	ND	0.0500	1	10/02/21	10/03/21	
Total Xylenes	ND	0.0250	1	10/02/21	10/03/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	10/02/21	10/03/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2140038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/21	10/03/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.5 %	70-130	10/02/21	10/03/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: JL		Batch: 2141001
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/21	10/04/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/21	10/04/21	
<i>Surrogate: n-Nonane</i>		108 %	50-200	10/04/21	10/04/21	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: RAS		Batch: 2141004
Chloride	1050	20.0	1	10/04/21	10/04/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
10/5/2021 2:05:56PM

## SP4-6

## E110003-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2140038
Benzene	ND	0.0250	1	10/02/21	10/03/21	
Ethylbenzene	ND	0.0250	1	10/02/21	10/03/21	
Toluene	ND	0.0250	1	10/02/21	10/03/21	
o-Xylene	ND	0.0250	1	10/02/21	10/03/21	
p,m-Xylene	ND	0.0500	1	10/02/21	10/03/21	
Total Xylenes	ND	0.0250	1	10/02/21	10/03/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.5 %	70-130		10/02/21	10/03/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2140038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/21	10/03/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.2 %	70-130		10/02/21	10/03/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2141001
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/21	10/04/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/21	10/04/21	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		10/04/21	10/04/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2141004
Chloride	2610	20.0	1	10/04/21	10/04/21	





## Sample Data

Tap Rock	Project Name:	Jackson 6 SWD	<b>Reported:</b> 10/5/2021 2:05:56PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

## SP5-6

## E110003-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2140038	
Benzene	ND	0.0250	1	10/02/21	10/03/21	
Ethylbenzene	ND	0.0250	1	10/02/21	10/03/21	
Toluene	ND	0.0250	1	10/02/21	10/03/21	
o-Xylene	ND	0.0250	1	10/02/21	10/03/21	
p,m-Xylene	ND	0.0500	1	10/02/21	10/03/21	
Total Xylenes	ND	0.0250	1	10/02/21	10/03/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.2 %	70-130		10/02/21	10/03/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2140038	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/21	10/03/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.2 %	70-130		10/02/21	10/03/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2141001	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/21	10/04/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/21	10/04/21	
<i>Surrogate: n-Nonane</i>	110 %	50-200		10/04/21	10/04/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2141004	
Chloride	1230	20.0	1	10/04/21	10/04/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
10/5/2021 2:05:56PM

## SP10-12'

## E110003-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2140038
Benzene	ND	0.0250	1	10/02/21	10/03/21	
Ethylbenzene	ND	0.0250	1	10/02/21	10/03/21	
Toluene	ND	0.0250	1	10/02/21	10/03/21	
o-Xylene	ND	0.0250	1	10/02/21	10/03/21	
p,m-Xylene	ND	0.0500	1	10/02/21	10/03/21	
Total Xylenes	ND	0.0250	1	10/02/21	10/03/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.7 %	70-130		10/02/21	10/03/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2140038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/21	10/03/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.0 %	70-130		10/02/21	10/03/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2141001
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/21	10/04/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/21	10/04/21	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		10/04/21	10/04/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2141004
Chloride	313	20.0	1	10/04/21	10/04/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
10/5/2021 2:05:56PM

SP11-6'

E110003-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2140038
Benzene	ND	0.0250	1	10/02/21	10/03/21	
Ethylbenzene	ND	0.0250	1	10/02/21	10/03/21	
Toluene	ND	0.0250	1	10/02/21	10/03/21	
o-Xylene	ND	0.0250	1	10/02/21	10/03/21	
p,m-Xylene	ND	0.0500	1	10/02/21	10/03/21	
Total Xylenes	ND	0.0250	1	10/02/21	10/03/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.1 %	70-130		10/02/21	10/03/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2140038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/21	10/03/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.3 %	70-130		10/02/21	10/03/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2141001
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/21	10/04/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/21	10/04/21	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		10/04/21	10/04/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2141004
Chloride	1880	20.0	1	10/04/21	10/04/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
10/5/2021 2:05:56PM

SP12-8'

E110003-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2140038
Benzene	ND	0.0250	1	10/02/21	10/03/21	
Ethylbenzene	ND	0.0250	1	10/02/21	10/03/21	
Toluene	ND	0.0250	1	10/02/21	10/03/21	
o-Xylene	ND	0.0250	1	10/02/21	10/03/21	
p,m-Xylene	ND	0.0500	1	10/02/21	10/03/21	
Total Xylenes	ND	0.0250	1	10/02/21	10/03/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/02/21	10/03/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2140038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/21	10/03/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.3 %	70-130	10/02/21	10/03/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2141001
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/21	10/04/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/21	10/04/21	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	10/04/21	10/04/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2141004
Chloride	278	20.0	1	10/04/21	10/04/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
10/5/2021 2:05:56PM

SP13-6'

E110003-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2140038
Benzene	ND	0.0250	1	10/02/21	10/03/21	
Ethylbenzene	ND	0.0250	1	10/02/21	10/03/21	
Toluene	ND	0.0250	1	10/02/21	10/03/21	
o-Xylene	ND	0.0250	1	10/02/21	10/03/21	
p,m-Xylene	ND	0.0500	1	10/02/21	10/03/21	
Total Xylenes	ND	0.0250	1	10/02/21	10/03/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.9 %	70-130		10/02/21	10/03/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2140038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/21	10/03/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.0 %	70-130		10/02/21	10/03/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2141001
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/21	10/04/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/21	10/04/21	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		10/04/21	10/04/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2141004
Chloride	4160	40.0	2	10/04/21	10/04/21	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
10/5/2021 2:05:56PM

SP14-6'

E110003-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2140038
Benzene	ND	0.0250	1	10/02/21	10/03/21	
Ethylbenzene	ND	0.0250	1	10/02/21	10/03/21	
Toluene	ND	0.0250	1	10/02/21	10/03/21	
o-Xylene	ND	0.0250	1	10/02/21	10/03/21	
p,m-Xylene	ND	0.0500	1	10/02/21	10/03/21	
Total Xylenes	ND	0.0250	1	10/02/21	10/03/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/02/21	10/03/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2140038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/21	10/03/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.0 %	70-130	10/02/21	10/03/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2141001
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/21	10/04/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/21	10/04/21	
<i>Surrogate: n-Nonane</i>						
		113 %	50-200	10/04/21	10/04/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2141004
Chloride	173	20.0	1	10/04/21	10/04/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
10/5/2021 2:05:56PM

## SP15-6

## E110003-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2140038
Benzene	ND	0.0250	1	10/02/21	10/03/21	
Ethylbenzene	ND	0.0250	1	10/02/21	10/03/21	
Toluene	ND	0.0250	1	10/02/21	10/03/21	
o-Xylene	ND	0.0250	1	10/02/21	10/03/21	
p,m-Xylene	ND	0.0500	1	10/02/21	10/03/21	
Total Xylenes	ND	0.0250	1	10/02/21	10/03/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/02/21	10/03/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2140038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/21	10/03/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.6 %	70-130	10/02/21	10/03/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2141001
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/21	10/04/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/21	10/04/21	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	10/04/21	10/04/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2141004
Chloride	566	20.0	1	10/04/21	10/04/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
10/5/2021 2:05:56PM

## SP16-10

## E110003-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2140038
Benzene	ND	0.0250	1	10/02/21	10/03/21	
Ethylbenzene	ND	0.0250	1	10/02/21	10/03/21	
Toluene	ND	0.0250	1	10/02/21	10/03/21	
o-Xylene	ND	0.0250	1	10/02/21	10/03/21	
p,m-Xylene	ND	0.0500	1	10/02/21	10/03/21	
Total Xylenes	ND	0.0250	1	10/02/21	10/03/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.9 %	70-130		10/02/21	10/03/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2140038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/21	10/03/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.0 %	70-130		10/02/21	10/03/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2141001
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/21	10/04/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/21	10/04/21	
<i>Surrogate: n-Nonane</i>						
	99.0 %	50-200		10/04/21	10/04/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2141004
Chloride	726	20.0	1	10/04/21	10/04/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
10/5/2021 2:05:56PM

## SP17-6

## E110003-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2140038
Benzene	ND	0.0250	1	10/02/21	10/03/21	
Ethylbenzene	ND	0.0250	1	10/02/21	10/03/21	
Toluene	ND	0.0250	1	10/02/21	10/03/21	
o-Xylene	ND	0.0250	1	10/02/21	10/03/21	
p,m-Xylene	ND	0.0500	1	10/02/21	10/03/21	
Total Xylenes	ND	0.0250	1	10/02/21	10/03/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.3 %	70-130		10/02/21	10/03/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2140038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/21	10/03/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.6 %	70-130		10/02/21	10/03/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2141001
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/21	10/04/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/21	10/04/21	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		10/04/21	10/04/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2141004
Chloride	428	20.0	1	10/04/21	10/04/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
10/5/2021 2:05:56PM

## SP18-6

## E110003-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2140038
Benzene	ND	0.0250	1	10/02/21	10/03/21	
Ethylbenzene	ND	0.0250	1	10/02/21	10/03/21	
Toluene	ND	0.0250	1	10/02/21	10/03/21	
o-Xylene	ND	0.0250	1	10/02/21	10/03/21	
p,m-Xylene	ND	0.0500	1	10/02/21	10/03/21	
Total Xylenes	ND	0.0250	1	10/02/21	10/03/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.6 %	70-130		10/02/21	10/03/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2140038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/21	10/03/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.2 %	70-130		10/02/21	10/03/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2141001
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/21	10/04/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/21	10/04/21	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		10/04/21	10/04/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2141004
Chloride	447	20.0	1	10/04/21	10/04/21	





## QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	10/5/2021 2:05:56PM

## Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2140038-BLK1)

Prepared: 10/02/21 Analyzed: 10/03/21

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	7.82		8.00		97.7	70-130			

## LCS (2140038-BS1)

Prepared: 10/02/21 Analyzed: 10/03/21

Benzene	5.05	0.0250	5.00		101	70-130			
Ethylbenzene	4.80	0.0250	5.00		95.9	70-130			
Toluene	5.01	0.0250	5.00		100	70-130			
o-Xylene	4.92	0.0250	5.00		98.4	70-130			
p,m-Xylene	9.72	0.0500	10.0		97.2	70-130			
Total Xylenes	14.6	0.0250	15.0		97.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.04		8.00		101	70-130			

## Matrix Spike (2140038-MS1)

Source: E110003-01

Prepared: 10/02/21 Analyzed: 10/04/21

Benzene	4.90	0.0250	5.00	ND	97.9	54-133			
Ethylbenzene	4.71	0.0250	5.00	ND	94.2	61-133			
Toluene	4.90	0.0250	5.00	ND	98.0	61-130			
o-Xylene	4.83	0.0250	5.00	ND	96.5	63-131			
p,m-Xylene	9.57	0.0500	10.0	ND	95.7	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	96.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.40		8.00		105	70-130			

## Matrix Spike Dup (2140038-MSD1)

Source: E110003-01

Prepared: 10/02/21 Analyzed: 10/04/21

Benzene	5.01	0.0250	5.00	ND	100	54-133	2.25	20	
Ethylbenzene	4.83	0.0250	5.00	ND	96.6	61-133	2.47	20	
Toluene	5.01	0.0250	5.00	ND	100	61-130	2.12	20	
o-Xylene	4.95	0.0250	5.00	ND	98.9	63-131	2.42	20	
p,m-Xylene	9.81	0.0500	10.0	ND	98.1	63-131	2.43	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.3	63-131	2.42	20	
Surrogate: 4-Bromochlorobenzene-PID	8.51		8.00		106	70-130			



## QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	10/5/2021 2:05:56PM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2140038-BLK1)

Prepared: 10/02/21 Analyzed: 10/03/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.02		8.00		87.7	70-130			

## LCS (2140038-BS2)

Prepared: 10/02/21 Analyzed: 10/04/21

Gasoline Range Organics (C6-C10)	46.5	20.0	50.0		92.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.15		8.00		89.4	70-130			

## Matrix Spike (2140038-MS2)

Source: E110003-01

Prepared: 10/02/21 Analyzed: 10/04/21

Gasoline Range Organics (C6-C10)	47.4	20.0	50.0	ND	94.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.14		8.00		89.2	70-130			

## Matrix Spike Dup (2140038-MSD2)

Source: E110003-01

Prepared: 10/02/21 Analyzed: 10/04/21

Gasoline Range Organics (C6-C10)	49.2	20.0	50.0	ND	98.4	70-130	3.63	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.9	70-130			



## QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	10/5/2021 2:05:56PM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2141001-BLK1)

Prepared: 10/04/21 Analyzed: 10/04/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	60.4		50.0		121	50-200			

## LCS (2141001-BS1)

Prepared: 10/04/21 Analyzed: 10/04/21

Diesel Range Organics (C10-C28)	488	25.0	500		97.5	38-132			
Surrogate: <i>n</i> -Nonane	55.2		50.0		110	50-200			

## Matrix Spike (2141001-MS1)

Source: E110003-05

Prepared: 10/04/21 Analyzed: 10/04/21

Diesel Range Organics (C10-C28)	553	25.0	500	ND	111	38-132			
Surrogate: <i>n</i> -Nonane	51.2		50.0		102	50-200			

## Matrix Spike Dup (2141001-MSD1)

Source: E110003-05

Prepared: 10/04/21 Analyzed: 10/04/21

Diesel Range Organics (C10-C28)	514	25.0	500	ND	103	38-132	7.30	20	
Surrogate: <i>n</i> -Nonane	51.8		50.0		104	50-200			



## QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	<b>Reported:</b>
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	10/5/2021 2:05:56PM

## Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2141004-BLK1)

Prepared: 10/04/21 Analyzed: 10/04/21

Chloride ND 20.0

## LCS (2141004-BS1)

Prepared: 10/04/21 Analyzed: 10/04/21

Chloride 244 20.0 250 97.6 90-110

## Matrix Spike (2141004-MS1)

Source: E110003-01

Prepared: 10/04/21 Analyzed: 10/04/21

Chloride 410 20.0 250 173 94.8 80-120

## Matrix Spike Dup (2141004-MSD1)

Source: E110003-01

Prepared: 10/04/21 Analyzed: 10/04/21

Chloride 410 20.0 250 173 94.8 80-120 0.0414 20

## QC Summary Report Comment:

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



Definitions and Notes

Tap Rock	Project Name:	Jackson 6 SWD	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	10/05/21 14:05

- 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.





Released to Imaging: 5/24/2022 11:46:04 AM

Received by OCD: 2/28/2022 7:47:39 AM

Page 2 of 25

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Project Information

Chain of Custody

Client: <u>TAPRock</u>		Attention: <u>ESS</u>		Lab Use Only		TAT		EPA Program	
Project: <u>Jackson 6 SWID</u>		Address:		Lab WO# <u>E110003</u>		Job Number <u>20046-0001</u>		CWA	
Project Manager:		City, State, Zip		Analysis and Method		1D <u>X</u> 2D 3D		SDWA	
Address:		Phone:		DRO/ORO by 8015		BGDOC NM		RCRA	
City, State, Zip		Email:		GRO/DRO by 8015		BGDOC TX		State	
Phone:		Report due by: <u>Natalie</u>		BTEX by 8021				NM CO UT AZ TX	
Email: <u>Natalie@EnergyStaffingLLC.com</u>				VOC by 8260				<u>X</u>	
				Metals 6010					
				Chloride 300.0					

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	BGDOC NM	BGDOC TX	Remarks
	9/24	S	1	SP1-6	1							X		
				SP2-6	2									
				SP3-6	3									
				SP4-6	4									
				SP5-6	5									
				SP10-12'	6									
				SP11-6'	7									
				SP12-8'	8									
				SP13-6'	9									
				SP14-6'	10									

Additional Instructions:

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

Relinquished by: (Signature) <u>[Signature]</u>	Date <u>9/30/21</u>	Time <u>6:05pm</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>10-1-21</u>	Time <u>1005</u>	Lab Use Only Received on ice: <u>Y</u> / N T1 T2 T3 AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>10-1-21</u>	Time <u>1345</u>	Received by: (Signature) <u>Raina Schumacher</u>	Date <u>10/2/21</u>	Time <u>11:00</u>	
Relinquished by: (Signature) <u>[Signature]</u>	Date	Time	Received by: (Signature)	Date	Time	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.





## Envirotech Analytical Laboratory

Printed: 10/2/2021 11:33:31AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Tap Rock	Date Received:	10/02/21 11:00	Work Order ID:	E110003
Phone:	(575) 390-6397	Date Logged In:	10/02/21 11:30	Logged In By:	Raina Schwanz
Email:	natalie@energystaffingllc.com	Due Date:	10/04/21 17:00 (0 day TAT)		

**Chain of Custody (COC)**

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

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

Carrier: Lab Courier**Comments/Resolution****Sample Turn Around Time (TAT)**

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

**Sample Cooler**

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

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

**Sample Container**

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

**Field Label**

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

**Sample Preservation**

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

**Multiphase Sample Matrix**

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

**Subcontract Laboratory**

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

**Client Instruction**

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

Date



envirotech Inc.

Report to:  
Natalie Gladden



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Tap Rock

Project Name: Resources Jackson 6 SWD

Work Order: E112016

Job Number: 20046-0001

Received: 12/2/2021

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
12/8/21

5796 U.S. Hwy 64  
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.  
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: Resources Jackson 6 SWD  
Workorder: E112016  
Date Received: 12/2/2021 3:00:00PM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/2/2021 3:00:00PM, under the Project Name: Resources Jackson 6 SWD.

The analytical test results summarized in this report with the Project Name: Resources Jackson 6 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

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Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

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**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

Tap Rock	Project Name:	Resources Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/08/21 17:53

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW4-Surf	E112016-01A	Soil	11/30/21	12/02/21	Glass Jar, 4 oz.
SW4-6'	E112016-02A	Soil	11/30/21	12/02/21	Glass Jar, 4 oz.
SW10-Surf	E112016-03A	Soil	11/30/21	12/02/21	Glass Jar, 4 oz.
SW10-2'	E112016-04A	Soil	11/30/21	12/02/21	Glass Jar, 4 oz.
SW11-Surf	E112016-05A	Soil	11/30/21	12/02/21	Glass Jar, 4 oz.
SW11-2'	E112016-06A	Soil	11/30/21	12/02/21	Glass Jar, 4 oz.
SW12-Surf	E112016-07A	Soil	11/30/21	12/02/21	Glass Jar, 4 oz.
SW12-2'	E112016-08A	Soil	11/30/21	12/02/21	Glass Jar, 4 oz.
SW13-Surf	E112016-09A	Soil	11/30/21	12/02/21	Glass Jar, 4 oz.
SW13-2'	E112016-10A	Soil	11/30/21	12/02/21	Glass Jar, 4 oz.
SW14-Surf	E112016-11A	Soil	11/30/21	12/02/21	Glass Jar, 4 oz.
SW14-4'	E112016-12A	Soil	11/30/21	12/02/21	Glass Jar, 4 oz.
SW15-Surf	E112016-13A	Soil	11/30/21	12/02/21	Glass Jar, 4 oz.
SW15-11'	E112016-14A	Soil	11/30/21	12/02/21	Glass Jar, 4 oz.
SW16 Surf	E112016-15A	Soil	11/30/21	12/02/21	Glass Jar, 4 oz.
SW16-7'	E112016-16A	Soil	11/30/21	12/02/21	Glass Jar, 4 oz.
SW17-Surf	E112016-17A	Soil	11/30/21	12/02/21	Glass Jar, 4 oz.
SW17-3'	E112016-18A	Soil	11/30/21	12/02/21	Glass Jar, 4 oz.
SW18-Surf	E112016-19A	Soil	11/30/21	12/02/21	Glass Jar, 4 oz.
SW18-6'	E112016-20A	Soil	11/30/21	12/02/21	Glass Jar, 4 oz.



## Sample Data

Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Resources Jackson 6 SWD Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/8/2021 5:53:19PM
---	---	---

## SW4-Surf

## E112016-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150002	
Benzene	ND	0.0250	1	12/06/21	12/07/21	
Ethylbenzene	ND	0.0250	1	12/06/21	12/07/21	
Toluene	ND	0.0250	1	12/06/21	12/07/21	
o-Xylene	ND	0.0250	1	12/06/21	12/07/21	
p,m-Xylene	ND	0.0500	1	12/06/21	12/07/21	
Total Xylenes	ND	0.0250	1	12/06/21	12/07/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.8 %	70-130		12/06/21	12/07/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/21	12/07/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	103 %	70-130		12/06/21	12/07/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2150005	
Diesel Range Organics (C10-C28)	315	25.0	1	12/06/21	12/08/21	
Oil Range Organics (C28-C36)	289	50.0	1	12/06/21	12/08/21	
<i>Surrogate: n-Nonane</i>	117 %	50-200		12/06/21	12/08/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2150003	
Chloride	9450	400	20	12/06/21	12/06/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
12/8/2021 5:53:19PM

SW4-6'

E112016-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150002
Benzene	ND	0.0250	1	12/06/21	12/07/21	
Ethylbenzene	ND	0.0250	1	12/06/21	12/07/21	
Toluene	ND	0.0250	1	12/06/21	12/07/21	
o-Xylene	ND	0.0250	1	12/06/21	12/07/21	
p,m-Xylene	ND	0.0500	1	12/06/21	12/07/21	
Total Xylenes	ND	0.0250	1	12/06/21	12/07/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.8 %	70-130		12/06/21	12/07/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150002
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/21	12/07/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		12/06/21	12/07/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150005
Diesel Range Organics (C10-C28)	26.8	25.0	1	12/06/21	12/08/21	
Oil Range Organics (C28-C36)	65.9	50.0	1	12/06/21	12/08/21	
<i>Surrogate: n-Nonane</i>						
	118 %	50-200		12/06/21	12/08/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150003
Chloride	110	20.0	1	12/06/21	12/06/21	



## Sample Data

Tap Rock	Project Name:	Resources Jackson 6 SWD	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/8/2021 5:53:19PM

## SW10-Surf

## E112016-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150002	
Benzene	ND	0.0250	1	12/06/21	12/07/21	
Ethylbenzene	ND	0.0250	1	12/06/21	12/07/21	
Toluene	ND	0.0250	1	12/06/21	12/07/21	
o-Xylene	ND	0.0250	1	12/06/21	12/07/21	
p,m-Xylene	ND	0.0500	1	12/06/21	12/07/21	
Total Xylenes	ND	0.0250	1	12/06/21	12/07/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.8 %	70-130		12/06/21	12/07/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/21	12/07/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	103 %	70-130		12/06/21	12/07/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2150005	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/21	12/08/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/06/21	12/08/21	
<i>Surrogate: n-Nonane</i>	121 %	50-200		12/06/21	12/08/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2150003	
Chloride	101	20.0	1	12/06/21	12/06/21	



## Sample Data

Tap Rock	Project Name:	Resources Jackson 6 SWD	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/8/2021 5:53:19PM

SW10-2'

E112016-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150002	
Benzene	ND	0.0250	1	12/06/21	12/07/21	
Ethylbenzene	ND	0.0250	1	12/06/21	12/07/21	
Toluene	ND	0.0250	1	12/06/21	12/07/21	
o-Xylene	ND	0.0250	1	12/06/21	12/07/21	
p,m-Xylene	ND	0.0500	1	12/06/21	12/07/21	
Total Xylenes	ND	0.0250	1	12/06/21	12/07/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.9 %	70-130		12/06/21	12/07/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/21	12/07/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	103 %	70-130		12/06/21	12/07/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2150005	
Diesel Range Organics (C10-C28)	26.7	25.0	1	12/06/21	12/08/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/06/21	12/08/21	
<i>Surrogate: n-Nonane</i>	125 %	50-200		12/06/21	12/08/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2150003	
Chloride	193	20.0	1	12/06/21	12/06/21	





## Sample Data

Tap Rock	Project Name:	Resources Jackson 6 SWD	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/8/2021 5:53:19PM

## SW11-Surf

## E112016-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150002	
Benzene	ND	0.0250	1	12/06/21	12/07/21	
Ethylbenzene	ND	0.0250	1	12/06/21	12/07/21	
Toluene	ND	0.0250	1	12/06/21	12/07/21	
o-Xylene	ND	0.0250	1	12/06/21	12/07/21	
p,m-Xylene	ND	0.0500	1	12/06/21	12/07/21	
Total Xylenes	ND	0.0250	1	12/06/21	12/07/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>96.7 %</i>	<i>70-130</i>		<i>12/06/21</i>	<i>12/07/21</i>	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/21	12/07/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>103 %</i>	<i>70-130</i>		<i>12/06/21</i>	<i>12/07/21</i>	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2150005	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/21	12/08/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/06/21	12/08/21	
<i>Surrogate: n-Nonane</i>	<i>124 %</i>	<i>50-200</i>		<i>12/06/21</i>	<i>12/08/21</i>	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2150003	
Chloride	85.5	20.0	1	12/06/21	12/06/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
12/8/2021 5:53:19PM

SW11-2'

E112016-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150002
Benzene	ND	0.0250	1	12/06/21	12/08/21	
Ethylbenzene	ND	0.0250	1	12/06/21	12/08/21	
Toluene	ND	0.0250	1	12/06/21	12/08/21	
o-Xylene	ND	0.0250	1	12/06/21	12/08/21	
p,m-Xylene	ND	0.0500	1	12/06/21	12/08/21	
Total Xylenes	ND	0.0250	1	12/06/21	12/08/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.4 %	70-130		12/06/21	12/08/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150002
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/21	12/08/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		12/06/21	12/08/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150005
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/21	12/08/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/06/21	12/08/21	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		12/06/21	12/08/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150003
Chloride	225	20.0	1	12/06/21	12/06/21	



## Sample Data

Tap Rock	Project Name:	Resources Jackson 6 SWD	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/8/2021 5:53:19PM

## SW12-Surf

## E112016-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150002	
Benzene	ND	0.0250	1	12/06/21	12/08/21	
Ethylbenzene	ND	0.0250	1	12/06/21	12/08/21	
Toluene	ND	0.0250	1	12/06/21	12/08/21	
o-Xylene	ND	0.0250	1	12/06/21	12/08/21	
p,m-Xylene	ND	0.0500	1	12/06/21	12/08/21	
Total Xylenes	ND	0.0250	1	12/06/21	12/08/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>96.3 %</i>	<i>70-130</i>		<i>12/06/21</i>	<i>12/08/21</i>	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/21	12/08/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>103 %</i>	<i>70-130</i>		<i>12/06/21</i>	<i>12/08/21</i>	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2150005	
Diesel Range Organics (C10-C28)	37.3	25.0	1	12/06/21	12/08/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/06/21	12/08/21	
<i>Surrogate: n-Nonane</i>	<i>121 %</i>	<i>50-200</i>		<i>12/06/21</i>	<i>12/08/21</i>	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2150003	
Chloride	149	20.0	1	12/06/21	12/06/21	



## Sample Data

Tap Rock	Project Name:	Resources Jackson 6 SWD	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/8/2021 5:53:19PM

SW12-2'

E112016-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150002	
Benzene	ND	0.0250	1	12/06/21	12/08/21	
Ethylbenzene	ND	0.0250	1	12/06/21	12/08/21	
Toluene	ND	0.0250	1	12/06/21	12/08/21	
o-Xylene	ND	0.0250	1	12/06/21	12/08/21	
p,m-Xylene	ND	0.0500	1	12/06/21	12/08/21	
Total Xylenes	ND	0.0250	1	12/06/21	12/08/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.3 %	70-130		12/06/21	12/08/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/21	12/08/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	106 %	70-130		12/06/21	12/08/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2150005	
Diesel Range Organics (C10-C28)	113	25.0	1	12/06/21	12/08/21	
Oil Range Organics (C28-C36)	101	50.0	1	12/06/21	12/08/21	
<i>Surrogate: n-Nonane</i>	121 %	50-200		12/06/21	12/08/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2150003	
Chloride	307	20.0	1	12/06/21	12/06/21	



## Sample Data

Tap Rock	Project Name:	Resources Jackson 6 SWD	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/8/2021 5:53:19PM

## SW13-Surf

## E112016-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150002	
Benzene	ND	0.0250	1	12/06/21	12/08/21	
Ethylbenzene	ND	0.0250	1	12/06/21	12/08/21	
Toluene	ND	0.0250	1	12/06/21	12/08/21	
o-Xylene	ND	0.0250	1	12/06/21	12/08/21	
p,m-Xylene	ND	0.0500	1	12/06/21	12/08/21	
Total Xylenes	ND	0.0250	1	12/06/21	12/08/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.2 %	70-130		12/06/21	12/08/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/21	12/08/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	103 %	70-130		12/06/21	12/08/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2150005	
Diesel Range Organics (C10-C28)	64.8	25.0	1	12/06/21	12/08/21	
Oil Range Organics (C28-C36)	82.8	50.0	1	12/06/21	12/08/21	
<i>Surrogate: n-Nonane</i>	121 %	50-200		12/06/21	12/08/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2150003	
Chloride	163	20.0	1	12/06/21	12/06/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
12/8/2021 5:53:19PM

SW13-2'

E112016-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150002
Benzene	ND	0.0250	1	12/06/21	12/08/21	
Ethylbenzene	ND	0.0250	1	12/06/21	12/08/21	
Toluene	ND	0.0250	1	12/06/21	12/08/21	
o-Xylene	ND	0.0250	1	12/06/21	12/08/21	
p,m-Xylene	ND	0.0500	1	12/06/21	12/08/21	
Total Xylenes	ND	0.0250	1	12/06/21	12/08/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.4 %	70-130		12/06/21	12/08/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150002
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/21	12/08/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		12/06/21	12/08/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150005
Diesel Range Organics (C10-C28)	32.7	25.0	1	12/06/21	12/08/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/06/21	12/08/21	
<i>Surrogate: n-Nonane</i>						
	120 %	50-200		12/06/21	12/08/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150003
Chloride	124	20.0	1	12/06/21	12/06/21	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
12/8/2021 5:53:19PM

## SW14-Surf

## E112016-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150002
Benzene	ND	0.0250	1	12/06/21	12/08/21	
Ethylbenzene	ND	0.0250	1	12/06/21	12/08/21	
Toluene	ND	0.0250	1	12/06/21	12/08/21	
o-Xylene	ND	0.0250	1	12/06/21	12/08/21	
p,m-Xylene	ND	0.0500	1	12/06/21	12/08/21	
Total Xylenes	ND	0.0250	1	12/06/21	12/08/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.8 %	70-130		12/06/21	12/08/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150002
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/21	12/08/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	102 %	70-130		12/06/21	12/08/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150005
Diesel Range Organics (C10-C28)	35.3	25.0	1	12/06/21	12/08/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/06/21	12/08/21	
<i>Surrogate: n-Nonane</i>						
	122 %	50-200		12/06/21	12/08/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150003
Chloride	1460	20.0	1	12/06/21	12/06/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
12/8/2021 5:53:19PM

SW14-4'

E112016-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150002
Benzene	ND	0.0250	1	12/06/21	12/08/21	
Ethylbenzene	ND	0.0250	1	12/06/21	12/08/21	
Toluene	ND	0.0250	1	12/06/21	12/08/21	
o-Xylene	ND	0.0250	1	12/06/21	12/08/21	
p,m-Xylene	ND	0.0500	1	12/06/21	12/08/21	
Total Xylenes	ND	0.0250	1	12/06/21	12/08/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.3 %	70-130		12/06/21	12/08/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150002
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/21	12/08/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		12/06/21	12/08/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150005
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/21	12/08/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/06/21	12/08/21	
<i>Surrogate: n-Nonane</i>						
	119 %	50-200		12/06/21	12/08/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150003
Chloride	411	20.0	1	12/06/21	12/06/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
12/8/2021 5:53:19PM

## SW15-Surf

## E112016-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150002
Benzene	ND	0.0250	1	12/06/21	12/08/21	
Ethylbenzene	ND	0.0250	1	12/06/21	12/08/21	
Toluene	ND	0.0250	1	12/06/21	12/08/21	
o-Xylene	ND	0.0250	1	12/06/21	12/08/21	
p,m-Xylene	ND	0.0500	1	12/06/21	12/08/21	
Total Xylenes	ND	0.0250	1	12/06/21	12/08/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.4 %	70-130		12/06/21	12/08/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150002
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/21	12/08/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		12/06/21	12/08/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150005
Diesel Range Organics (C10-C28)	87.4	25.0	1	12/06/21	12/08/21	
Oil Range Organics (C28-C36)	86.9	50.0	1	12/06/21	12/08/21	
<i>Surrogate: n-Nonane</i>						
	127 %	50-200		12/06/21	12/08/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150003
Chloride	4010	40.0	2	12/06/21	12/06/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
12/8/2021 5:53:19PM

SW15-11'

E112016-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150002
Benzene	ND	0.0250	1	12/06/21	12/08/21	
Ethylbenzene	ND	0.0250	1	12/06/21	12/08/21	
Toluene	ND	0.0250	1	12/06/21	12/08/21	
o-Xylene	ND	0.0250	1	12/06/21	12/08/21	
p,m-Xylene	ND	0.0500	1	12/06/21	12/08/21	
Total Xylenes	ND	0.0250	1	12/06/21	12/08/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.8 %	70-130		12/06/21	12/08/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150002
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/21	12/08/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		12/06/21	12/08/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150005
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/21	12/08/21	
Oil Range Organics (C28-C36)	50.0	50.0	1	12/06/21	12/08/21	
<i>Surrogate: n-Nonane</i>						
	118 %	50-200		12/06/21	12/08/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150003
Chloride	274	20.0	1	12/06/21	12/06/21	



## Sample Data

Tap Rock	Project Name:	Resources Jackson 6 SWD	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/8/2021 5:53:19PM

## SW16 Surf

## E112016-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150002	
Benzene	ND	0.0250	1	12/06/21	12/08/21	
Ethylbenzene	ND	0.0250	1	12/06/21	12/08/21	
Toluene	ND	0.0250	1	12/06/21	12/08/21	
o-Xylene	ND	0.0250	1	12/06/21	12/08/21	
p,m-Xylene	ND	0.0500	1	12/06/21	12/08/21	
Total Xylenes	ND	0.0250	1	12/06/21	12/08/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.6 %	70-130		12/06/21	12/08/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/21	12/08/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	102 %	70-130		12/06/21	12/08/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2150005	
Diesel Range Organics (C10-C28)	131	25.0	1	12/06/21	12/08/21	
Oil Range Organics (C28-C36)	108	50.0	1	12/06/21	12/08/21	
<i>Surrogate: n-Nonane</i>	120 %	50-200		12/06/21	12/08/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2150003	
Chloride	12000	400	20	12/06/21	12/06/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
12/8/2021 5:53:19PM

SW16-7'

E112016-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150002
Benzene	ND	0.0250	1	12/06/21	12/08/21	
Ethylbenzene	ND	0.0250	1	12/06/21	12/08/21	
Toluene	ND	0.0250	1	12/06/21	12/08/21	
o-Xylene	ND	0.0250	1	12/06/21	12/08/21	
p,m-Xylene	ND	0.0500	1	12/06/21	12/08/21	
Total Xylenes	ND	0.0250	1	12/06/21	12/08/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.5 %	70-130		12/06/21	12/08/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150002
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/21	12/08/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		12/06/21	12/08/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150005
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/21	12/08/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/06/21	12/08/21	
<i>Surrogate: n-Nonane</i>						
	124 %	50-200		12/06/21	12/08/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150003
Chloride	466	20.0	1	12/06/21	12/06/21	





## Sample Data

Tap Rock	Project Name:	Resources Jackson 6 SWD	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/8/2021 5:53:19PM

## SW17-Surf

## E112016-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150002	
Benzene	ND	0.0250	1	12/06/21	12/08/21	
Ethylbenzene	<b>0.0502</b>	0.0250	1	12/06/21	12/08/21	
Toluene	ND	0.0250	1	12/06/21	12/08/21	
o-Xylene	ND	0.0250	1	12/06/21	12/08/21	
p,m-Xylene	ND	0.0500	1	12/06/21	12/08/21	
Total Xylenes	ND	0.0250	1	12/06/21	12/08/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>95.8 %</i>	<i>70-130</i>		<i>12/06/21</i>	<i>12/08/21</i>	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/21	12/08/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>101 %</i>	<i>70-130</i>		<i>12/06/21</i>	<i>12/08/21</i>	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2150005	
Diesel Range Organics (C10-C28)	<b>73.8</b>	25.0	1	12/06/21	12/08/21	
Oil Range Organics (C28-C36)	<b>92.7</b>	50.0	1	12/06/21	12/08/21	
<i>Surrogate: n-Nonane</i>	<i>122 %</i>	<i>50-200</i>		<i>12/06/21</i>	<i>12/08/21</i>	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2150003	
Chloride	<b>560</b>	20.0	1	12/06/21	12/06/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
12/8/2021 5:53:19PM

SW17-3'

E112016-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150002
Benzene	ND	0.0250	1	12/06/21	12/08/21	
Ethylbenzene	ND	0.0250	1	12/06/21	12/08/21	
Toluene	ND	0.0250	1	12/06/21	12/08/21	
o-Xylene	ND	0.0250	1	12/06/21	12/08/21	
p,m-Xylene	ND	0.0500	1	12/06/21	12/08/21	
Total Xylenes	ND	0.0250	1	12/06/21	12/08/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.0 %	70-130		12/06/21	12/08/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150002
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/21	12/08/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	102 %	70-130		12/06/21	12/08/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150005
Diesel Range Organics (C10-C28)	43.6	25.0	1	12/06/21	12/08/21	
Oil Range Organics (C28-C36)	62.2	50.0	1	12/06/21	12/08/21	
<i>Surrogate: n-Nonane</i>						
	126 %	50-200		12/06/21	12/08/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150003
Chloride	430	20.0	1	12/06/21	12/06/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
12/8/2021 5:53:19PM

## SW18-Surf

## E112016-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2150002	
Benzene	ND	0.0250	1	12/06/21	12/08/21	
Ethylbenzene	ND	0.0250	1	12/06/21	12/08/21	
Toluene	ND	0.0250	1	12/06/21	12/08/21	
o-Xylene	ND	0.0250	1	12/06/21	12/08/21	
p,m-Xylene	ND	0.0500	1	12/06/21	12/08/21	
Total Xylenes	ND	0.0250	1	12/06/21	12/08/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.0 %	70-130		12/06/21	12/08/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2150002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/21	12/08/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		12/06/21	12/08/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2150005	
Diesel Range Organics (C10-C28)	197	25.0	1	12/06/21	12/08/21	
Oil Range Organics (C28-C36)	162	50.0	1	12/06/21	12/08/21	
<i>Surrogate: n-Nonane</i>						
	125 %	50-200		12/06/21	12/08/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2150003	
Chloride	1220	20.0	1	12/06/21	12/06/21	



## Sample Data

Tap Rock	Project Name:	Resources Jackson 6 SWD	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/8/2021 5:53:19PM

SW18-6'

E112016-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150002	
Benzene	ND	0.0250	1	12/06/21	12/08/21	
Ethylbenzene	ND	0.0250	1	12/06/21	12/08/21	
Toluene	ND	0.0250	1	12/06/21	12/08/21	
o-Xylene	ND	0.0250	1	12/06/21	12/08/21	
p,m-Xylene	ND	0.0500	1	12/06/21	12/08/21	
Total Xylenes	ND	0.0250	1	12/06/21	12/08/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	95.1 %	70-130		12/06/21	12/08/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/21	12/08/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	102 %	70-130		12/06/21	12/08/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2150005	
Diesel Range Organics (C10-C28)	38.7	25.0	1	12/06/21	12/08/21	
Oil Range Organics (C28-C36)	60.8	50.0	1	12/06/21	12/08/21	
<i>Surrogate: n-Nonane</i>	123 %	50-200		12/06/21	12/08/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2150003	
Chloride	179	20.0	1	12/06/21	12/06/21	



## QC Summary Data

Tap Rock	Project Name:	Resources Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/8/2021 5:53:19PM

## Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2150002-BLK1)

Prepared: 12/06/21 Analyzed: 12/07/21

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	7.61		8.00		95.2	70-130			

## LCS (2150002-BS1)

Prepared: 12/06/21 Analyzed: 12/07/21

Benzene	4.82	0.0250	5.00		96.5	70-130			
Ethylbenzene	4.96	0.0250	5.00		99.3	70-130			
Toluene	5.15	0.0250	5.00		103	70-130			
o-Xylene	4.90	0.0250	5.00		98.0	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.0	0.0250	15.0		99.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.77		8.00		97.1	70-130			

## Matrix Spike (2150002-MS1)

Source: E112016-01

Prepared: 12/06/21 Analyzed: 12/07/21

Benzene	4.93	0.0250	5.00	ND	98.5	54-133			
Ethylbenzene	5.04	0.0250	5.00	ND	101	61-133			
Toluene	5.23	0.0250	5.00	ND	105	61-130			
o-Xylene	4.95	0.0250	5.00	ND	99.0	63-131			
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.81		8.00		97.7	70-130			

## Matrix Spike Dup (2150002-MSD1)

Source: E112016-01

Prepared: 12/06/21 Analyzed: 12/07/21

Benzene	4.85	0.0250	5.00	ND	96.9	54-133	1.60	20	
Ethylbenzene	4.94	0.0250	5.00	ND	98.9	61-133	1.92	20	
Toluene	5.13	0.0250	5.00	ND	103	61-130	1.82	20	
o-Xylene	4.87	0.0250	5.00	ND	97.3	63-131	1.68	20	
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131	1.99	20	
Total Xylenes	14.9	0.0250	15.0	ND	99.1	63-131	1.88	20	
Surrogate: 4-Bromochlorobenzene-PID	7.80		8.00		97.5	70-130			



## QC Summary Data

Tap Rock	Project Name:	Resources Jackson 6 SWD	<b>Reported:</b>
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/8/2021 5:53:19PM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2150002-BLK1)

Prepared: 12/06/21 Analyzed: 12/07/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.35		8.00		104	70-130			

## LCS (2150002-BS2)

Prepared: 12/06/21 Analyzed: 12/07/21

Gasoline Range Organics (C6-C10)	49.1	20.0	50.0		98.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.18		8.00		102	70-130			

## Matrix Spike (2150002-MS2)

Source: E112016-01

Prepared: 12/06/21 Analyzed: 12/07/21

Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.34		8.00		104	70-130			

## Matrix Spike Dup (2150002-MSD2)

Source: E112016-01

Prepared: 12/06/21 Analyzed: 12/07/21

Gasoline Range Organics (C6-C10)	48.8	20.0	50.0	ND	97.6	70-130	0.913	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.38		8.00		105	70-130			





## QC Summary Data

Tap Rock	Project Name:	Resources Jackson 6 SWD	<b>Reported:</b>
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/8/2021 5:53:19PM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2150005-BLK1)

Prepared: 12/06/21 Analyzed: 12/07/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	50.9		50.0		102	50-200			

## LCS (2150005-BS1)

Prepared: 12/06/21 Analyzed: 12/07/21

Diesel Range Organics (C10-C28)	438	25.0	500		87.5	38-132			
Surrogate: <i>n</i> -Nonane	50.3		50.0		101	50-200			

## Matrix Spike (2150005-MS1)

Source: E112016-16

Prepared: 12/06/21 Analyzed: 12/08/21

Diesel Range Organics (C10-C28)	488	25.0	500	ND	97.5	38-132			
Surrogate: <i>n</i> -Nonane	60.1		50.0		120	50-200			

## Matrix Spike Dup (2150005-MSD1)

Source: E112016-16

Prepared: 12/06/21 Analyzed: 12/08/21

Diesel Range Organics (C10-C28)	485	25.0	500	ND	96.9	38-132	0.639	20	
Surrogate: <i>n</i> -Nonane	59.7		50.0		119	50-200			



## QC Summary Data

Tap Rock	Project Name:	Resources Jackson 6 SWD	<b>Reported:</b>
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/8/2021 5:53:19PM

## 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
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## Blank (2150003-BLK1)

Prepared: 12/06/21 Analyzed: 12/06/21

Chloride ND 20.0

## LCS (2150003-BS1)

Prepared: 12/06/21 Analyzed: 12/06/21

Chloride 248 20.0 250 99.3 90-110

## Matrix Spike (2150003-MS1)

Source: E112016-01

Prepared: 12/06/21 Analyzed: 12/06/21

Chloride 9560 400 250 9450 45.3 80-120 M5

## Matrix Spike Dup (2150003-MSD1)

Source: E112016-01

Prepared: 12/06/21 Analyzed: 12/06/21

Chloride 10300 400 250 9450 347 80-120 7.59 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

Tap Rock	Project Name:	Resources Jackson 6 SWD	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/08/21 17:53

- 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: <u>SPUR TAP ROCK</u>		Bill To		Lab Use Only				TAT				EPA Program	
Project: <u>RESOURCES JACKSON 6 SWD</u>		Attention: <u>ESS</u>		Lab WO# <u>E112010</u>		Job Number <u>200460001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>CALIA PILCHER</u>		Address: <u>7 W Compress Rd</u>		City, State, Zip <u>Artesia, NM</u>		Analysis and Method						RCRA	
Address:		Phone:		Email: <u>Natalie Gladden</u>								State	
City, State, Zip												NM CO UT AZ TX	
Phone:												X	
Email: <u>Natalie Gladden</u>													
Report due by:													

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	BGDOC - NM	BGDOC - TX	Remarks
8:30	11-23	S	1	SW4 - SURF	1							X		
8:32	11-30			SW4 - 6"	2									
8:35	11-30			SW10 - SURF	3									
8:44	11-30			SW10 - 2"	4									
9:11	11-30			SW11 - SURF	5									
9:14	11-30			SW11 - 2"	6									
9:26	11-30			SW12 - SURF	7									
9:29	11-30			SW12 - 2"	8									
9:56	11-30			SW13 - SURF	9									
9:58	11-30			SW13 - 2"	10									

## Additional Instructions:

Received by Carrier

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

Sampled by: M Rivera

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <u>Y</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
<u>[Signature]</u>	12-1-21	12:00	<u>[Signature]</u>	12-1-21	12:00	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<u>[Signature]</u>	12-1-21	1430	<u>[Signature]</u>	12-1-21	1500	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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.



Client: <u>SMITH TAPROCK</u>		Bill To		Lab Use Only				TAT				EPA Program	
Project: <u>RESOURCES JACKSONG SHD</u>		Attention: <u>ESS</u>		Lab WO# <u>E112010</u>		Job Number <u>200460001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>CALEB PILCHER</u>		Address: <u>7 W Compress Rd</u>		Analysis and Method								RCRA	
Address:		City, State, Zip <u>Artesia, NM</u>											
City, State, Zip		Phone:											
Phone:		Email: <u>Natalie Gladden</u>											
Email: <u>Natalie Gladden</u>													
Report due by:													

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	BGDOC - NM	BGDOC - TX	Remarks
10:08	11-30	S	1	SW 14 - 54et	11							X		
10:48	11-30			SW 14 - 4"	12									
10:39	11-30			SW 15 - 54RF	13									
3:15	11-30			SW 15 - 11"	14									
6:07	11-30			SW 16 54RF	15									
2:52	11-30			SW 16 - 7"	16									
11:15	11-30			SW 17 - 54RF	17									
1:29	11-30			SW 17 - 3"	18									
11:30	11-30			SW 18 - 54RF	19									
3:26	11-30			SW 18 - 6"	20									

## Additional Instructions:

Received by Carrier

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

Sampled by: My River

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <u>Y</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
<u>[Signature]</u>	12-1-21	12:00	<u>[Signature]</u>	12-1-21	1200	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<u>[Signature]</u>	12-1-21	1430	<u>[Signature]</u>	12-2-21	1500	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

## Envirotech Analytical Laboratory

Printed: 12/3/2021 12:26:00PM

## 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:	12/02/21 15:00	Work Order ID:	E112016
Phone:	(575) 390-6397	Date Logged In:	12/03/21 12:05	Logged In By:	Alexa Michaels
Email:	natalie@energystaffingllc.com	Due Date:	12/08/21 17:00 (4 day TAT)		

**Chain of Custody (COC)**

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

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

Carrier: Courier**Comments/Resolution****Sample Turn Around Time (TAT)**

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

**Sample Cooler**

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

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

**Sample Container**

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

**Field Label**

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

**Sample Preservation**

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

**Multiphase Sample Matrix**

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

**Subcontract Laboratory**

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

**Client Instruction**

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

Date



envirotech Inc.



Report to:  
Natalie Gladden



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Tap Rock

Project Name: Jackson 6 SWD

Work Order: E112056

Job Number: 20046-0001

Received: 12/10/2021

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
12/12/21

5796 U.S. Hwy 64  
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.  
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 12/12/21

Natalie Gladden  
7 W. Compress Road  
Artesia, NM 88210



Project Name: Jackson 6 SWD  
Workorder: E112056  
Date Received: 12/10/2021 12:15:00PM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/10/2021 12:15:00PM, under the Project Name: Jackson 6 SWD.

The analytical test results summarized in this report with the Project Name: Jackson 6 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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## Sample Summary

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/12/21 09:59

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW1-Surface	E112056-01A	Soil	12/06/21	12/10/21	Glass Jar, 10 oz.
SW2-Surface	E112056-02A	Soil	12/06/21	12/10/21	Glass Jar, 4 oz.
SW3- Surface	E112056-03A	Soil	12/06/21	12/10/21	Glass Jar, 4 oz.
SW5- Surface	E112056-04A	Soil	12/06/21	12/10/21	Glass Jar, 4 oz.
SW6- Surface	E112056-05A	Soil	12/06/21	12/10/21	Glass Jar, 4 oz.
SW7- Surface	E112056-06A	Soil	12/06/21	12/10/21	Glass Jar, 4 oz.
SW8- Surface	E112056-07A	Soil	12/06/21	12/10/21	Glass Jar, 4 oz.
SW9- Surface	E112056-08A	Soil	12/06/21	12/10/21	Glass Jar, 4 oz.
SW1-2'	E112056-09A	Soil	12/06/21	12/10/21	Glass Jar, 4 oz.
SW7-2'	E112056-10A	Soil	12/06/21	12/10/21	Glass Jar, 4 oz.
SW8-4'	E112056-11A	Soil	12/06/21	12/10/21	Glass Jar, 4 oz.
SW5-4'	E112056-12A	Soil	12/06/21	12/10/21	Glass Jar, 4 oz.
SW6-2'	E112056-13A	Soil	12/06/21	12/10/21	Glass Jar, 4 oz.



## Sample Data

Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Jackson 6 SWD Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/12/2021 9:59:04AM
---	---	--

## SW1-Surface

## E112056-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150051	
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.4 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150051	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	102 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150052	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/11/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/11/21	
<i>Surrogate: n-Nonane</i>	112 %	50-200		12/10/21	12/11/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2150058	
Chloride	214	20.0	1	12/10/21	12/10/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
12/12/2021 9:59:04AM

## SW2-Surface

## E112056-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150051
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.8 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150051
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	101 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150052
Diesel Range Organics (C10-C28)	55.9	25.0	1	12/10/21	12/11/21	
Oil Range Organics (C28-C36)	53.6	50.0	1	12/10/21	12/11/21	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		12/10/21	12/11/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150058
Chloride	446	20.0	1	12/10/21	12/10/21	





## Sample Data

Tap Rock	Project Name:	Jackson 6 SWD	<b>Reported:</b> 12/12/2021 9:59:04AM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

## SW3- Surface

E112056-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150051	
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.2 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150051	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	103 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150052	
Diesel Range Organics (C10-C28)	54.8	25.0	1	12/10/21	12/11/21	
Oil Range Organics (C28-C36)	57.3	50.0	1	12/10/21	12/11/21	
<i>Surrogate: n-Nonane</i>	108 %	50-200		12/10/21	12/11/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2150058	
Chloride	3510	40.0	2	12/10/21	12/10/21	



## Sample Data

Tap Rock	Project Name:	Jackson 6 SWD	<b>Reported:</b> 12/12/2021 9:59:04AM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

## SW5- Surface

## E112056-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150051	
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.3 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150051	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	103 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150052	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/11/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/11/21	
<i>Surrogate: n-Nonane</i>	106 %	50-200		12/10/21	12/11/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2150058	
Chloride	16200	400	20	12/10/21	12/10/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
12/12/2021 9:59:04AM

## SW6- Surface

E112056-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150051
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.7 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150051
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150052
Diesel Range Organics (C10-C28)	59.1	25.0	1	12/10/21	12/11/21	
Oil Range Organics (C28-C36)	88.6	50.0	1	12/10/21	12/11/21	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		12/10/21	12/11/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150058
Chloride	372	20.0	1	12/10/21	12/10/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
12/12/2021 9:59:04AM

## SW7- Surface

E112056-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150051
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.1 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150051
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	102 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150052
Diesel Range Organics (C10-C28)	132	25.0	1	12/10/21	12/11/21	
Oil Range Organics (C28-C36)	246	50.0	1	12/10/21	12/11/21	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		12/10/21	12/11/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150058
Chloride	816	20.0	1	12/10/21	12/10/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
12/12/2021 9:59:04AM

## SW8- Surface

E112056-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150051
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.5 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150051
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	101 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150052
Diesel Range Organics (C10-C28)	44.8	25.0	1	12/10/21	12/11/21	
Oil Range Organics (C28-C36)	76.7	50.0	1	12/10/21	12/11/21	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		12/10/21	12/11/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150058
Chloride	1150	20.0	1	12/10/21	12/10/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
12/12/2021 9:59:04AM

## SW9- Surface

E112056-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150051
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.7 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150051
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150052
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/11/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/11/21	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		12/10/21	12/11/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150058
Chloride	1410	20.0	1	12/10/21	12/10/21	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
12/12/2021 9:59:04AM

SW1-2'

E112056-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150051
Benzene	ND	0.0250	1	12/10/21	12/10/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/10/21	
Toluene	ND	0.0250	1	12/10/21	12/10/21	
o-Xylene	ND	0.0250	1	12/10/21	12/10/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/10/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/10/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.2 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150051
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/10/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	101 %	70-130		12/10/21	12/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150052
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/11/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/11/21	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		12/10/21	12/11/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150058
Chloride	239	20.0	1	12/10/21	12/10/21	



## Sample Data

Tap Rock	Project Name:	Jackson 6 SWD	<b>Reported:</b> 12/12/2021 9:59:04AM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SW7-2'

E112056-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150051	
Benzene	ND	0.0250	1	12/10/21	12/11/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/11/21	
Toluene	ND	0.0250	1	12/10/21	12/11/21	
o-Xylene	ND	0.0250	1	12/10/21	12/11/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/11/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/11/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	95.1 %	70-130		12/10/21	12/11/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150051	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/11/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	102 %	70-130		12/10/21	12/11/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150052	
Diesel Range Organics (C10-C28)	26.3	25.0	1	12/10/21	12/11/21	
Oil Range Organics (C28-C36)	55.2	50.0	1	12/10/21	12/11/21	
<i>Surrogate: n-Nonane</i>	110 %	50-200		12/10/21	12/11/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2150058	
Chloride	141	20.0	1	12/10/21	12/10/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
12/12/2021 9:59:04AM

SW8-4'

E112056-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150051
Benzene	ND	0.0250	1	12/10/21	12/11/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/11/21	
Toluene	ND	0.0250	1	12/10/21	12/11/21	
o-Xylene	ND	0.0250	1	12/10/21	12/11/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/11/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/11/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.1 %	70-130		12/10/21	12/11/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150051
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/11/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		12/10/21	12/11/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150052
Diesel Range Organics (C10-C28)	35.7	25.0	1	12/10/21	12/11/21	
Oil Range Organics (C28-C36)	81.8	50.0	1	12/10/21	12/11/21	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		12/10/21	12/11/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150058
Chloride	146	20.0	1	12/10/21	12/10/21	



## Sample Data

Tap Rock	Project Name:	Jackson 6 SWD	<b>Reported:</b> 12/12/2021 9:59:04AM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SW5-4'

E112056-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150051	
Benzene	ND	0.0250	1	12/10/21	12/11/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/11/21	
Toluene	ND	0.0250	1	12/10/21	12/11/21	
o-Xylene	ND	0.0250	1	12/10/21	12/11/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/11/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/11/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	94.0 %	70-130		12/10/21	12/11/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150051	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/11/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	102 %	70-130		12/10/21	12/11/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2150052	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/11/21	
Oil Range Organics (C28-C36)	56.9	50.0	1	12/10/21	12/11/21	
<i>Surrogate: n-Nonane</i>	111 %	50-200		12/10/21	12/11/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2150058	
Chloride	147	20.0	1	12/10/21	12/10/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
12/12/2021 9:59:04AM

SW6-2'

E112056-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150051
Benzene	ND	0.0250	1	12/10/21	12/11/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/11/21	
Toluene	ND	0.0250	1	12/10/21	12/11/21	
o-Xylene	ND	0.0250	1	12/10/21	12/11/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/11/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/11/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.5 %	70-130		12/10/21	12/11/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150051
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/11/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	102 %	70-130		12/10/21	12/11/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150052
Diesel Range Organics (C10-C28)	42.3	25.0	1	12/10/21	12/11/21	
Oil Range Organics (C28-C36)	65.1	50.0	1	12/10/21	12/11/21	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		12/10/21	12/11/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150058
Chloride	185	20.0	1	12/10/21	12/10/21	



## QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	<b>Reported:</b> 12/12/2021 9:59:04AM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

## Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2150051-BLK1)

Prepared: 12/10/21 Analyzed: 12/11/21

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	7.53		8.00		94.1	70-130			

## LCS (2150051-BS1)

Prepared: 12/10/21 Analyzed: 12/11/21

Benzene	4.80	0.0250	5.00		96.0	70-130			
Ethylbenzene	4.92	0.0250	5.00		98.5	70-130			
Toluene	5.12	0.0250	5.00		102	70-130			
o-Xylene	4.84	0.0250	5.00		96.9	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	14.8	0.0250	15.0		99.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.50		8.00		93.7	70-130			

## LCS Dup (2150051-BS1)

Prepared: 12/10/21 Analyzed: 12/11/21

Benzene	4.85	0.0250	5.00		97.0	70-130	1.04	20	
Ethylbenzene	4.97	0.0250	5.00		99.3	70-130	0.858	20	
Toluene	5.18	0.0250	5.00		104	70-130	1.12	20	
o-Xylene	4.90	0.0250	5.00		97.9	70-130	1.05	20	
p,m-Xylene	10.1	0.0500	10.0		101	70-130	0.776	20	
Total Xylenes	15.0	0.0250	15.0		99.8	70-130	0.867	20	
Surrogate: 4-Bromochlorobenzene-PID	7.51		8.00		93.9	70-130			





## QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	<b>Reported:</b>
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/12/2021 9:59:04AM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2150051-BLK1)

Prepared: 12/10/21 Analyzed: 12/11/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.28		8.00		103	70-130			

## LCS (2150051-BS2)

Prepared: 12/10/21 Analyzed: 12/11/21

Gasoline Range Organics (C6-C10)	46.6	20.0	50.0		93.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.22		8.00		103	70-130			

## LCS Dup (2150051-BSD2)

Prepared: 12/10/21 Analyzed: 12/11/21

Gasoline Range Organics (C6-C10)	47.9	20.0	50.0		95.9	70-130	2.87	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.12		8.00		102	70-130			



## QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/12/2021 9:59:04AM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2150052-BLK1)

Prepared: 12/10/21 Analyzed: 12/10/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	58.3		50.0		117	50-200			

## LCS (2150052-BS1)

Prepared: 12/10/21 Analyzed: 12/10/21

Diesel Range Organics (C10-C28)	557	25.0	500		111	38-132			
Surrogate: n-Nonane	53.4		50.0		107	50-200			

## Matrix Spike (2150052-MS1)

Source: E112056-05

Prepared: 12/10/21 Analyzed: 12/10/21

Diesel Range Organics (C10-C28)	643	25.0	500	59.1	117	38-132			
Surrogate: n-Nonane	55.8		50.0		112	50-200			

## Matrix Spike Dup (2150052-MSD1)

Source: E112056-05

Prepared: 12/10/21 Analyzed: 12/10/21

Diesel Range Organics (C10-C28)	66.5	25.0	500	59.1	1.47	38-132	163	20	M2
Surrogate: n-Nonane	55.5		50.0		111	50-200			



## QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	<b>Reported:</b>
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/12/2021 9:59:04AM

## 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
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## Blank (2150058-BLK1)

Prepared: 12/10/21 Analyzed: 12/10/21

Chloride	ND	20.0							
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## LCS (2150058-BS1)

Prepared: 12/10/21 Analyzed: 12/10/21

Chloride	244	20.0	250		97.5	90-110			
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## LCS Dup (2150058-BSD1)

Prepared: 12/10/21 Analyzed: 12/10/21

Chloride	244	20.0	250		97.7	90-110	0.158	20	
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## QC Summary Report Comment:

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



## Definitions and Notes

Tap Rock	Project Name:	Jackson 6 SWD	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/12/21 09:59

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

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



## Project Information

## Chain of Custody

Client: <u>Tap Rock</u>				Bill To				Lab Use Only				TAT				EPA Program																							
Project: <u>Jackson Co SWP</u>				Attention: <u>ESS</u>				Lab WO# <u>E112056</u>				Job Number <u>20040-0001</u>				1D	2D	3D	Standard	CWA	SDWA																		
Project Manager: <u>D. Montez</u>				Address:				Analysis and Method																															
Address:				City, State, Zip				DRO/ORO by 8015				GRO/DRO by 8015				BTEX by 8021				VOC by 8260				Metals 6010				Chloride 300.0				NM - BGDOC				TX - TPH (TCEQ 1005)			
City, State, Zip				Phone:																																			
Phone:				Email: <u>energystaffing@nyc.com</u>																																			
Email:																																							
Report due by:																																							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks																																	
	12/4	soil	1	SW1 - Surface	1																																		
				SW2 - Surface	2																																		
				SW3 - Surface	3																																		
				SW5 - Surface	4																																		
				SW6 - Surface	5																																		
				SW7 - Surface	6																																		
				SW8 - Surface	7																																		
				SW9 - Surface	8																																		
				SW1 - 2'	9																																		
				SW7 - 2'	10																																		

## Additional Instructions:

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

Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <u>Y</u> / <u>N</u> T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature)	12-9-21	2:40	Received by: (Signature)	12-9-21	1440	
Relinquished by: (Signature)	12-9-21	1630	Received by: (Signature)	12/10/21	12:15	

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

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

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.



Client:					Bill To					Lab Use Only					TAT				EPA Program		
Project:					Attention:					Lab WO#		Job Number			1D	2D	3D	Standard	CWA	SDWA	
Project Manager:					Address:					E112056		20046-0001			X						
Address:					City, State, Zip					Analysis and Method										RCRA	
City, State, Zip					Phone:					DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM - BGDOC	TX - TPH (TCEQ 1005)				
Email:					Email:																
Report due by:																					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number																
	12/10	soil	1	SW8-4'	11										X						
	"	"	1	SW5-4'	12										X						
	"	"	1	SW6-2'	13										X						

## Additional Instructions:

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

Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
	12-9-21	2:40		12-9-21	1440	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
	12-9-21	1630		12/10/21	12:15	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



## Envirotech Analytical Laboratory

Printed: 12/11/2021 11:59:54AM

## 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:	12/10/21 12:15	Work Order ID:	E112056
Phone:	(575) 390-6397	Date Logged In:	12/10/21 10:59	Logged In By:	Jessica Liesse
Email:	natalie@energystaffingllc.com	Due Date:	12/10/21 17:00 (0 day TAT)		

**Chain of Custody (COC)**

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

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

Carrier: FedEx**Comments/Resolution****Sample Turn Around Time (TAT)**

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

**Sample Cooler**

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

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

**Sample Container**

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

**Field Label**

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

**Sample Preservation**

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

**Multiphase Sample Matrix**

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

**Subcontract Laboratory**

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

**Client Instruction**

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

Date



envirotech Inc.

Report to:  
Natalie Gladden



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Tap Rock

Project Name: Jackson 6 SWD

Work Order: E112067

Job Number: 20046-0001

Received: 12/15/2021

Revision: 2

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
12/20/21

5796 U.S. Hwy 64  
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.  
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 12/20/21



Natalie Gladden  
7 W. Compress Road  
Artesia, NM 88210

Project Name: Jackson 6 SWD  
Workorder: E112067  
Date Received: 12/15/2021 2:20:00PM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/15/2021 2:20:00PM, under the Project Name: Jackson 6 SWD.

The analytical test results summarized in this report with the Project Name: Jackson 6 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
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[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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**Sample Summary**

Tap Rock	Project Name:	Jackson 6 SWD	<b>Reported:</b>
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/20/21 13:58

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP11-10'	E112067-01A	Soil	12/10/21	12/15/21	Glass Jar, 4 oz.
SP19-Surf	E112067-02A	Soil	12/08/21	12/15/21	Glass Jar, 4 oz.
SP19-4'	E112067-03A	Soil	12/13/21	12/15/21	Glass Jar, 4 oz.
SP13-10'	E112067-04A	Soil	12/13/21	12/15/21	Glass Jar, 4 oz.
SP16-14'	E112067-05A	Soil	12/13/21	12/15/21	Glass Jar, 4 oz.
SP7-5'	E112067-06A	Soil	12/13/21	12/15/21	Glass Jar, 4 oz.



## Sample Data

Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Jackson 6 SWD Project Number: 20046-0001 Project Manager: Natalie Gladden	Reported: 12/20/2021 1:58:15PM
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SP11-10'

E112067-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY		Batch: 2151023
Benzene	ND	0.0250	1	12/16/21	12/17/21
Ethylbenzene	ND	0.0250	1	12/16/21	12/17/21
Toluene	ND	0.0250	1	12/16/21	12/17/21
o-Xylene	ND	0.0250	1	12/16/21	12/17/21
p,m-Xylene	ND	0.0500	1	12/16/21	12/17/21
Total Xylenes	ND	0.0250	1	12/16/21	12/17/21
Surrogate: Bromofluorobenzene	114 %	70-130		12/16/21	12/17/21
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		12/16/21	12/17/21
Surrogate: Toluene-d8	98.7 %	70-130		12/16/21	12/17/21

Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2151023
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/21	12/17/21
Surrogate: Bromofluorobenzene	114 %	70-130		12/16/21	12/17/21
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		12/16/21	12/17/21
Surrogate: Toluene-d8	98.7 %	70-130		12/16/21	12/17/21

Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2151020
Diesel Range Organics (C10-C28)	ND	25.0	1	12/15/21	12/17/21
Oil Range Organics (C28-C36)	ND	50.0	1	12/15/21	12/17/21
Surrogate: n-Nonane	110 %	50-200		12/15/21	12/17/21

Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: GB		Batch: 2151022
Chloride	71.3	20.0	1	12/15/21	12/16/21





## Sample Data

Tap Rock	Project Name:	Jackson 6 SWD	<b>Reported:</b> 12/20/2021 1:58:15PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

## SP19-Surf

## E112067-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2151023	
Benzene	ND	0.0250	1	12/16/21	12/17/21	
Ethylbenzene	ND	0.0250	1	12/16/21	12/17/21	
Toluene	ND	0.0250	1	12/16/21	12/17/21	
o-Xylene	ND	0.0250	1	12/16/21	12/17/21	
p,m-Xylene	ND	0.0500	1	12/16/21	12/17/21	
Total Xylenes	ND	0.0250	1	12/16/21	12/17/21	
Surrogate: Bromofluorobenzene		114 %	70-130	12/16/21	12/17/21	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	12/16/21	12/17/21	
Surrogate: Toluene-d8		101 %	70-130	12/16/21	12/17/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2151023	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/21	12/17/21	
Surrogate: Bromofluorobenzene		114 %	70-130	12/16/21	12/17/21	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	12/16/21	12/17/21	
Surrogate: Toluene-d8		101 %	70-130	12/16/21	12/17/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2151020	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/15/21	12/17/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/15/21	12/17/21	
Surrogate: n-Nonane		109 %	50-200	12/15/21	12/17/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: GB		Batch: 2151022	
Chloride	2320	40.0	2	12/15/21	12/16/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
12/20/2021 1:58:15PM

SP19-4'

E112067-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2151023	
Benzene	ND	0.0250	1	12/16/21	12/16/21	
Ethylbenzene	ND	0.0250	1	12/16/21	12/16/21	
Toluene	ND	0.0250	1	12/16/21	12/16/21	
o-Xylene	ND	0.0250	1	12/16/21	12/16/21	
p,m-Xylene	ND	0.0500	1	12/16/21	12/16/21	
Total Xylenes	ND	0.0250	1	12/16/21	12/16/21	
Surrogate: Bromofluorobenzene		111 %	70-130	12/16/21	12/16/21	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	12/16/21	12/16/21	
Surrogate: Toluene-d8		103 %	70-130	12/16/21	12/16/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2151023	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/21	12/16/21	
Surrogate: Bromofluorobenzene		111 %	70-130	12/16/21	12/16/21	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	12/16/21	12/16/21	
Surrogate: Toluene-d8		103 %	70-130	12/16/21	12/16/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2151020	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/15/21	12/17/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/15/21	12/17/21	
Surrogate: n-Nonane		110 %	50-200	12/15/21	12/17/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: GB		Batch: 2151022	
Chloride	111	20.0	1	12/15/21	12/16/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
12/20/2021 1:58:15PM

SP13-10'

E112067-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2151023	
Benzene	ND	0.0250	1	12/16/21	12/17/21	
Ethylbenzene	ND	0.0250	1	12/16/21	12/17/21	
Toluene	ND	0.0250	1	12/16/21	12/17/21	
o-Xylene	ND	0.0250	1	12/16/21	12/17/21	
p,m-Xylene	ND	0.0500	1	12/16/21	12/17/21	
Total Xylenes	ND	0.0250	1	12/16/21	12/17/21	
Surrogate: Bromofluorobenzene		117 %	70-130	12/16/21	12/17/21	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	12/16/21	12/17/21	
Surrogate: Toluene-d8		99.0 %	70-130	12/16/21	12/17/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2151023	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/21	12/17/21	
Surrogate: Bromofluorobenzene		117 %	70-130	12/16/21	12/17/21	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	12/16/21	12/17/21	
Surrogate: Toluene-d8		99.0 %	70-130	12/16/21	12/17/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2151020	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/15/21	12/17/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/15/21	12/17/21	
Surrogate: n-Nonane		108 %	50-200	12/15/21	12/17/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: GB		Batch: 2151022	
Chloride	81.5	20.0	1	12/15/21	12/16/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
12/20/2021 1:58:15PM

## SP16-14'

## E112067-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2151023	
Benzene	ND	0.0250	1	12/16/21	12/17/21	
Ethylbenzene	ND	0.0250	1	12/16/21	12/17/21	
Toluene	ND	0.0250	1	12/16/21	12/17/21	
o-Xylene	ND	0.0250	1	12/16/21	12/17/21	
p,m-Xylene	ND	0.0500	1	12/16/21	12/17/21	
Total Xylenes	ND	0.0250	1	12/16/21	12/17/21	
Surrogate: Bromofluorobenzene		115 %	70-130	12/16/21	12/17/21	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	12/16/21	12/17/21	
Surrogate: Toluene-d8		99.3 %	70-130	12/16/21	12/17/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2151023	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/21	12/17/21	
Surrogate: Bromofluorobenzene		115 %	70-130	12/16/21	12/17/21	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	12/16/21	12/17/21	
Surrogate: Toluene-d8		99.3 %	70-130	12/16/21	12/17/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2151020	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/15/21	12/17/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/15/21	12/17/21	
Surrogate: n-Nonane		109 %	50-200	12/15/21	12/17/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: GB		Batch: 2151022	
Chloride	79.2	20.0	1	12/15/21	12/16/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
12/20/2021 1:58:15PM

SP7-5'

E112067-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2151023	
Benzene	ND	0.0250	1	12/16/21	12/17/21	
Ethylbenzene	ND	0.0250	1	12/16/21	12/17/21	
Toluene	ND	0.0250	1	12/16/21	12/17/21	
o-Xylene	ND	0.0250	1	12/16/21	12/17/21	
p,m-Xylene	ND	0.0500	1	12/16/21	12/17/21	
Total Xylenes	ND	0.0250	1	12/16/21	12/17/21	
Surrogate: Bromofluorobenzene		112 %	70-130	12/16/21	12/17/21	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	12/16/21	12/17/21	
Surrogate: Toluene-d8		98.9 %	70-130	12/16/21	12/17/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2151023	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/21	12/17/21	
Surrogate: Bromofluorobenzene		112 %	70-130	12/16/21	12/17/21	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	12/16/21	12/17/21	
Surrogate: Toluene-d8		98.9 %	70-130	12/16/21	12/17/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2151020	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/15/21	12/17/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/15/21	12/17/21	
Surrogate: n-Nonane		111 %	50-200	12/15/21	12/17/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: GB		Batch: 2151022	
Chloride	79.4	20.0	1	12/15/21	12/16/21	



## QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/20/2021 1:58:15PM

## Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

## Blank (2151023-BLK1)

Prepared: 12/15/21 Analyzed: 12/16/21

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: Bromofluorobenzene	0.532		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.3	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			

## LCS (2151023-BS1)

Prepared: 12/15/21 Analyzed: 12/16/21

Benzene	2.39	0.0250	2.50		95.6	70-130			
Ethylbenzene	2.45	0.0250	2.50		98.0	70-130			
Toluene	2.44	0.0250	2.50		97.7	70-130			
o-Xylene	2.22	0.0250	2.50		88.8	70-130			
p,m-Xylene	4.71	0.0500	5.00		94.2	70-130			
Total Xylenes	6.93	0.0250	7.50		92.4	70-130			
Surrogate: Bromofluorobenzene	0.545		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

## Matrix Spike (2151023-MS1)

Source: E112067-03

Prepared: 12/15/21 Analyzed: 12/16/21

Benzene	2.53	0.0250	2.50	ND	101	48-131			
Ethylbenzene	2.57	0.0250	2.50	ND	103	45-135			
Toluene	2.59	0.0250	2.50	ND	103	48-130			
o-Xylene	2.35	0.0250	2.50	ND	94.0	43-135			
p,m-Xylene	4.92	0.0500	5.00	ND	98.4	43-135			
Total Xylenes	7.27	0.0250	7.50	ND	97.0	43-135			
Surrogate: Bromofluorobenzene	0.571		0.500		114	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.525		0.500		105	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			

## Matrix Spike Dup (2151023-MSD1)

Source: E112067-03

Prepared: 12/15/21 Analyzed: 12/16/21

Benzene	2.48	0.0250	2.50	ND	99.1	48-131	2.00	23	
Ethylbenzene	2.60	0.0250	2.50	ND	104	45-135	1.26	27	
Toluene	2.60	0.0250	2.50	ND	104	48-130	0.578	24	
o-Xylene	2.35	0.0250	2.50	ND	94.0	43-135	0.0851	27	
p,m-Xylene	5.03	0.0500	5.00	ND	101	43-135	2.07	27	
Total Xylenes	7.37	0.0250	7.50	ND	98.3	43-135	1.38	27	
Surrogate: Bromofluorobenzene	0.558		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.3	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			





## QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/20/2021 1:58:15PM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

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

## Blank (2151023-BLK1)

Prepared: 12/15/21 Analyzed: 12/16/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.532		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.3	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			

## LCS (2151023-BS2)

Prepared: 12/15/21 Analyzed: 12/16/21

Gasoline Range Organics (C6-C10)	58.9	20.0	50.0		118	70-130			
Surrogate: Bromofluorobenzene	0.541		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

## Matrix Spike (2151023-MS2)

Source: E112067-03

Prepared: 12/15/21 Analyzed: 12/16/21

Gasoline Range Organics (C6-C10)	53.6	20.0	50.0	ND	107	70-130			
Surrogate: Bromofluorobenzene	0.549		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.2	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			

## Matrix Spike Dup (2151023-MSD2)

Source: E112067-03

Prepared: 12/15/21 Analyzed: 12/16/21

Gasoline Range Organics (C6-C10)	59.5	20.0	50.0	ND	119	70-130	10.3	20	
Surrogate: Bromofluorobenzene	0.546		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			



## QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	<b>Reported:</b>
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/20/2021 1:58:15PM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2151020-BLK1)

Prepared: 12/15/21 Analyzed: 12/16/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	56.6		50.0		113	50-200			

## LCS (2151020-BS1)

Prepared: 12/15/21 Analyzed: 12/16/21

Diesel Range Organics (C10-C28)	556	25.0	500		111	38-132			
Surrogate: <i>n</i> -Nonane	51.3		50.0		103	50-200			

## Matrix Spike (2151020-MS1)

Source: E112064-03

Prepared: 12/15/21 Analyzed: 12/16/21

Diesel Range Organics (C10-C28)	566	25.0	500	ND	113	38-132			
Surrogate: <i>n</i> -Nonane	58.9		50.0		118	50-200			

## Matrix Spike Dup (2151020-MSD1)

Source: E112064-03

Prepared: 12/15/21 Analyzed: 12/16/21

Diesel Range Organics (C10-C28)	539	25.0	500	ND	108	38-132	4.98	20	
Surrogate: <i>n</i> -Nonane	57.6		50.0		115	50-200			



## QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	<b>Reported:</b>
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/20/2021 1:58:15PM

## Anions 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 Limit %	Notes
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## Blank (2151022-BLK1)

Prepared: 12/15/21 Analyzed: 12/16/21

Chloride ND 20.0

## LCS (2151022-BS1)

Prepared: 12/15/21 Analyzed: 12/16/21

Chloride 256 20.0 250 102 90-110

## Matrix Spike (2151022-MS1)

Source: E112067-03

Prepared: 12/15/21 Analyzed: 12/16/21

Chloride 361 20.0 250 111 100 80-120

## Matrix Spike Dup (2151022-MSD1)

Source: E112067-03

Prepared: 12/15/21 Analyzed: 12/16/21

Chloride 371 20.0 250 111 104 80-120 2.81 20

## QC Summary Report Comment:

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



Definitions and Notes

Tap Rock	Project Name:	Jackson 6 SWD	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/20/21 13:58

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

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

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



Client: <u>Star TAPROCK</u> Project: <u>JACKSON 6 SWD</u> Project Manager: <u>FABIAN FRANK</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: <u>Natalie Gladden</u> Report due by: _____				Bill To Attention: <u>ESS</u> Address: <u>7 W Compress Rd</u> City, State, Zip: <u>Artesia, NM</u> Phone: _____ Email: <u>Natalie Gladden</u>				Lab Use Only		TAT				EPA Program							
								Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA				
								<u>E1120107</u>		<u>200410-000</u>					<input checked="" type="checkbox"/>						
								Analysis and Method										RCRA			
						DRQ/DRO by 8015	GRO/DRO by 8015	BTX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC - NM	BGDOC - TX		State					
																NM	CO	UT	AZ	TX	
																<input checked="" type="checkbox"/>					
						Remarks															
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number																
11:30	12-10	S	1	SP11 - 10"	1																
10:21	12-8	}	}	SP19 - 54RF	2																
1:30	12-13			SP19 - 4"	3																
10:25	12-13			SP13 - 10"	4																
11:01	12-13			SP16 - 14"	5																
11:51	12-13			SP7 - 5"	6																
12:20	12-13	S	S																		
Additional Instructions:																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.															Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.						
Relinquished by: (Signature) <u>Natalie Gladden</u> Date <u>12/14/21</u> Time <u>11:20</u>															Received by: (Signature) <u>[Signature]</u> Date <u>12-14-21</u> Time <u>11:20</u>						
Relinquished by: (Signature) <u>[Signature]</u> Date <u>12-14-21</u> Time <u>1610</u>															Received by: (Signature) <u>[Signature]</u> Date <u>12/15/21</u> Time <u>14:20</u>						
Relinquished by: (Signature) <u>[Signature]</u> Date _____ Time _____															Received by: (Signature) _____ Date _____ Time _____						
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____															Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____						
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					

## Envirotech Analytical Laboratory

Printed: 12/15/2021 2:42:20PM

## 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:	12/15/21 14:20	Work Order ID:	E112067
Phone:	(575) 390-6397	Date Logged In:	12/14/21 12:49	Logged In By:	Jessica Liesse
Email:	natalie@energystaffingllc.com	Due Date:	12/21/21 17:00 (4 day TAT)		

**Chain of Custody (COC)**

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

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

Carrier: FedEx**Comments/Resolution****Sample Turn Around Time (TAT)**

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

**Sample Cooler**

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

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

**Sample Container**

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

**Field Label**

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

**Sample Preservation**

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

**Multiphase Sample Matrix**

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

**Subcontract Laboratory**

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

**Client Instruction**

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

Date



envirotech Inc.



Report to:  
Natalie Gladden



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Tap Rock

Project Name: Jackson 6 SWD

Work Order: E112077

Job Number: 20105-0002

Received: 12/17/2021

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
12/20/21

5796 U.S. Hwy 64  
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.  
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 12/20/21



Natalie Gladden  
7 W. Compress Road  
Artesia, NM 88210

Project Name: Jackson 6 SWD  
Workorder: E112077  
Date Received: 12/17/2021 10:38:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/17/2021 10:38:00AM, under the Project Name: Jackson 6 SWD.

The analytical test results summarized in this report with the Project Name: Jackson 6 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**  
**Lynn Jarboe**  
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Office: 505-421-LABS(5227)  
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[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

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

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

Tap Rock	Project Name:	Jackson 6 SWD	<b>Reported:</b> 12/20/21 14:37
7 W. Compress Road	Project Number:	20105-0002	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW 2-5'	E112077-01A	Soil	12/14/21	12/17/21	Glass Jar, 4 oz.
SW 4-8'	E112077-02A	Soil	12/14/21	12/17/21	Glass Jar, 4 oz.
SW 5-5'	E112077-03A	Soil	12/14/21	12/17/21	Glass Jar, 4 oz.
SW 6-3'	E112077-04A	Soil	12/14/21	12/17/21	Glass Jar, 4 oz.
SW 7-3'	E112077-05A	Soil	12/14/21	12/17/21	Glass Jar, 4 oz.
SW8-5'	E112077-06A	Soil	12/14/21	12/17/21	Glass Jar, 4 oz.
SW 9-4'	E112077-07A	Soil	12/14/21	12/17/21	Glass Jar, 4 oz.
SW 12-3'	E112077-08A	Soil	12/14/21	12/17/21	Glass Jar, 4 oz.
SW 17-4'	E112077-09A	Soil	12/14/21	12/17/21	Glass Jar, 4 oz.
SW18-7'	E112077-10A	Soil	12/14/21	12/17/21	Glass Jar, 4 oz.



## Sample Data

Tap Rock	Project Name:	Jackson 6 SWD	<b>Reported:</b> 12/20/2021 2:37:04PM
7 W. Compress Road	Project Number:	20105-0002	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SW 2-5'

E112077-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2151032	
Benzene	ND	0.0250	1	12/17/21	12/17/21	
Ethylbenzene	ND	0.0250	1	12/17/21	12/17/21	
Toluene	ND	0.0250	1	12/17/21	12/17/21	
o-Xylene	ND	0.0250	1	12/17/21	12/17/21	
p,m-Xylene	ND	0.0500	1	12/17/21	12/17/21	
Total Xylenes	ND	0.0250	1	12/17/21	12/17/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	12/17/21	12/17/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2151032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/21	12/17/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		100 %	70-130	12/17/21	12/17/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KL		Batch: 2151031	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/21	12/17/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/21	12/17/21	
<i>Surrogate: n-Nonane</i>		122 %	50-200	12/17/21	12/17/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2151033	
Chloride	80.9	20.0	1	12/17/21	12/17/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Jackson 6 SWD  
Project Number: 20105-0002  
Project Manager: Natalie Gladden

**Reported:**  
12/20/2021 2:37:04PM

SW 4-8'

E112077-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2151032
Benzene	ND	0.0250	1	12/17/21	12/17/21	
Ethylbenzene	ND	0.0250	1	12/17/21	12/17/21	
Toluene	ND	0.0250	1	12/17/21	12/17/21	
o-Xylene	ND	0.0250	1	12/17/21	12/17/21	
p,m-Xylene	ND	0.0500	1	12/17/21	12/17/21	
Total Xylenes	ND	0.0250	1	12/17/21	12/17/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.4 %	70-130		12/17/21	12/17/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2151032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/21	12/17/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.5 %	70-130		12/17/21	12/17/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2151031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/21	12/17/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/21	12/17/21	
<i>Surrogate: n-Nonane</i>						
	120 %	50-200		12/17/21	12/17/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2151033
Chloride	ND	20.0	1	12/17/21	12/17/21	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Jackson 6 SWD  
Project Number: 20105-0002  
Project Manager: Natalie Gladden

**Reported:**  
12/20/2021 2:37:04PM

SW 5-5'

E112077-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2151032
Benzene	ND	0.0250	1	12/17/21	12/17/21	
Ethylbenzene	ND	0.0250	1	12/17/21	12/17/21	
Toluene	ND	0.0250	1	12/17/21	12/17/21	
o-Xylene	ND	0.0250	1	12/17/21	12/17/21	
p,m-Xylene	ND	0.0500	1	12/17/21	12/17/21	
Total Xylenes	ND	0.0250	1	12/17/21	12/17/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.5 %	70-130		12/17/21	12/17/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2151032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/21	12/17/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.9 %	70-130		12/17/21	12/17/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2151031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/21	12/17/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/21	12/17/21	
<i>Surrogate: n-Nonane</i>						
	118 %	50-200		12/17/21	12/17/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2151033
Chloride	112	20.0	1	12/17/21	12/17/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Jackson 6 SWD  
Project Number: 20105-0002  
Project Manager: Natalie Gladden

**Reported:**  
12/20/2021 2:37:04PM

SW 6-3'

E112077-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2151032
Benzene	ND	0.0250	1	12/17/21	12/17/21	
Ethylbenzene	ND	0.0250	1	12/17/21	12/17/21	
Toluene	ND	0.0250	1	12/17/21	12/17/21	
o-Xylene	ND	0.0250	1	12/17/21	12/17/21	
p,m-Xylene	ND	0.0500	1	12/17/21	12/17/21	
Total Xylenes	ND	0.0250	1	12/17/21	12/17/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	12/17/21	12/17/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2151032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/21	12/17/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		103 %	70-130	12/17/21	12/17/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2151031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/21	12/17/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/21	12/17/21	
<i>Surrogate: n-Nonane</i>						
		121 %	50-200	12/17/21	12/17/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2151033
Chloride	394	20.0	1	12/17/21	12/17/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Jackson 6 SWD  
Project Number: 20105-0002  
Project Manager: Natalie Gladden

**Reported:**  
12/20/2021 2:37:04PM

SW 7-3'

E112077-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2151032
Benzene	ND	0.0250	1	12/17/21	12/17/21	
Ethylbenzene	ND	0.0250	1	12/17/21	12/17/21	
Toluene	ND	0.0250	1	12/17/21	12/17/21	
o-Xylene	ND	0.0250	1	12/17/21	12/17/21	
p,m-Xylene	ND	0.0500	1	12/17/21	12/17/21	
Total Xylenes	ND	0.0250	1	12/17/21	12/17/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.4 %	70-130	12/17/21	12/17/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2151032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/21	12/17/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	12/17/21	12/17/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: KL		Batch: 2151031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/21	12/17/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/21	12/17/21	
<i>Surrogate: n-Nonane</i>		116 %	50-200	12/17/21	12/17/21	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2151033
Chloride	48.0	20.0	1	12/17/21	12/17/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Jackson 6 SWD  
Project Number: 20105-0002  
Project Manager: Natalie Gladden

**Reported:**  
12/20/2021 2:37:04PM

SW8-5'

E112077-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2151032
Benzene	ND	0.0250	1	12/17/21	12/17/21	
Ethylbenzene	ND	0.0250	1	12/17/21	12/17/21	
Toluene	ND	0.0250	1	12/17/21	12/17/21	
o-Xylene	ND	0.0250	1	12/17/21	12/17/21	
p,m-Xylene	ND	0.0500	1	12/17/21	12/17/21	
Total Xylenes	ND	0.0250	1	12/17/21	12/17/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.3 %	70-130		12/17/21	12/17/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2151032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/21	12/17/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	101 %	70-130		12/17/21	12/17/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2151031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/21	12/17/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/21	12/17/21	
<i>Surrogate: n-Nonane</i>						
	118 %	50-200		12/17/21	12/17/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2151033
Chloride	ND	20.0	1	12/17/21	12/17/21	



## Sample Data

Tap Rock	Project Name:	Jackson 6 SWD	<b>Reported:</b> 12/20/2021 2:37:04PM
7 W. Compress Road	Project Number:	20105-0002	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SW 9-4'

E112077-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2151032	
Benzene	ND	0.0250	1	12/17/21	12/17/21	
Ethylbenzene	ND	0.0250	1	12/17/21	12/17/21	
Toluene	ND	0.0250	1	12/17/21	12/17/21	
o-Xylene	ND	0.0250	1	12/17/21	12/17/21	
p,m-Xylene	ND	0.0500	1	12/17/21	12/17/21	
Total Xylenes	ND	0.0250	1	12/17/21	12/17/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.5 %	70-130		12/17/21	12/17/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2151032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/21	12/17/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	104 %	70-130		12/17/21	12/17/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KL		Batch: 2151031	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/21	12/17/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/21	12/17/21	
<i>Surrogate: n-Nonane</i>	123 %	50-200		12/17/21	12/17/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2151033	
Chloride	ND	20.0	1	12/17/21	12/17/21	



## Sample Data

Tap Rock	Project Name:	Jackson 6 SWD	<b>Reported:</b> 12/20/2021 2:37:04PM
7 W. Compress Road	Project Number:	20105-0002	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SW 12-3'

E112077-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2151032	
Benzene	ND	0.0250	1	12/17/21	12/17/21	
Ethylbenzene	ND	0.0250	1	12/17/21	12/17/21	
Toluene	ND	0.0250	1	12/17/21	12/17/21	
o-Xylene	ND	0.0250	1	12/17/21	12/17/21	
p,m-Xylene	ND	0.0500	1	12/17/21	12/17/21	
Total Xylenes	ND	0.0250	1	12/17/21	12/17/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.2 %	70-130		12/17/21	12/17/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2151032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/21	12/17/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	104 %	70-130		12/17/21	12/17/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KL		Batch: 2151031	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/21	12/17/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/21	12/17/21	
<i>Surrogate: n-Nonane</i>	119 %	50-200		12/17/21	12/17/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2151033	
Chloride	ND	20.0	1	12/17/21	12/17/21	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Jackson 6 SWD  
Project Number: 20105-0002  
Project Manager: Natalie Gladden

**Reported:**  
12/20/2021 2:37:04PM

SW 17-4'

E112077-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2151032
Benzene	ND	0.0250	1	12/17/21	12/17/21	
Ethylbenzene	ND	0.0250	1	12/17/21	12/17/21	
Toluene	ND	0.0250	1	12/17/21	12/17/21	
o-Xylene	ND	0.0250	1	12/17/21	12/17/21	
p,m-Xylene	ND	0.0500	1	12/17/21	12/17/21	
Total Xylenes	ND	0.0250	1	12/17/21	12/17/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.2 %	70-130		12/17/21	12/17/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2151032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/21	12/17/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	102 %	70-130		12/17/21	12/17/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2151031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/21	12/17/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/21	12/17/21	
<i>Surrogate: n-Nonane</i>						
	118 %	50-200		12/17/21	12/17/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2151033
Chloride	69.8	20.0	1	12/17/21	12/17/21	



## Sample Data

Tap Rock	Project Name:	Jackson 6 SWD	<b>Reported:</b> 12/20/2021 2:37:04PM
7 W. Compress Road	Project Number:	20105-0002	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SW18-7'

E112077-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2151032	
Benzene	ND	0.0250	1	12/17/21	12/17/21	
Ethylbenzene	ND	0.0250	1	12/17/21	12/17/21	
Toluene	ND	0.0250	1	12/17/21	12/17/21	
o-Xylene	ND	0.0250	1	12/17/21	12/17/21	
p,m-Xylene	ND	0.0500	1	12/17/21	12/17/21	
Total Xylenes	ND	0.0250	1	12/17/21	12/17/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	12/17/21	12/17/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2151032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/21	12/17/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.2 %	70-130	12/17/21	12/17/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KL		Batch: 2151031	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/21	12/17/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/21	12/17/21	
<i>Surrogate: n-Nonane</i>		123 %	50-200	12/17/21	12/17/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2151033	
Chloride	68.8	20.0	1	12/17/21	12/17/21	



## QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	Reported:
7 W. Compress Road	Project Number:	20105-0002	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/20/2021 2:37:04PM

## Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2151032-BLK1)

Prepared: 12/17/21 Analyzed: 12/17/21

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	7.99		8.00		99.9	70-130			

## LCS (2151032-BS1)

Prepared: 12/17/21 Analyzed: 12/17/21

Benzene	4.35	0.0250	5.00		87.0	70-130			
Ethylbenzene	4.52	0.0250	5.00		90.3	70-130			
Toluene	4.60	0.0250	5.00		92.0	70-130			
o-Xylene	4.65	0.0250	5.00		93.1	70-130			
p,m-Xylene	9.20	0.0500	10.0		92.0	70-130			
Total Xylenes	13.9	0.0250	15.0		92.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.11		8.00		101	70-130			

## LCS Dup (2151032-BSD1)

Prepared: 12/17/21 Analyzed: 12/17/21

Benzene	4.29	0.0250	5.00		85.7	70-130	1.47	20	
Ethylbenzene	4.46	0.0250	5.00		89.2	70-130	1.29	20	
Toluene	4.53	0.0250	5.00		90.7	70-130	1.44	20	
o-Xylene	4.60	0.0250	5.00		92.0	70-130	1.16	20	
p,m-Xylene	9.07	0.0500	10.0		90.7	70-130	1.32	20	
Total Xylenes	13.7	0.0250	15.0		91.2	70-130	1.27	20	
Surrogate: 4-Bromochlorobenzene-PID	8.03		8.00		100	70-130			



## QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	<b>Reported:</b>
7 W. Compress Road	Project Number:	20105-0002	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/20/2021 2:37:04PM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2151032-BLK1)

Prepared: 12/17/21 Analyzed: 12/17/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.16		8.00		102	70-130			

## LCS (2151032-BS2)

Prepared: 12/17/21 Analyzed: 12/17/21

Gasoline Range Organics (C6-C10)	56.6	20.0	50.0		113	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.34		8.00		104	70-130			

## LCS Dup (2151032-BSD2)

Prepared: 12/17/21 Analyzed: 12/17/21

Gasoline Range Organics (C6-C10)	56.2	20.0	50.0		112	70-130	0.743	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.35		8.00		104	70-130			



## QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	<b>Reported:</b>
7 W. Compress Road	Project Number:	20105-0002	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/20/2021 2:37:04PM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2151031-BLK1)

Prepared: 12/17/21 Analyzed: 12/17/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	54.6		50.0		109	50-200			

## LCS (2151031-BS1)

Prepared: 12/17/21 Analyzed: 12/17/21

Diesel Range Organics (C10-C28)	485	25.0	500		97.0	38-132			
Surrogate: <i>n</i> -Nonane	56.6		50.0		113	50-200			

## Matrix Spike (2151031-MS1)

Source: E112076-05

Prepared: 12/17/21 Analyzed: 12/17/21

Diesel Range Organics (C10-C28)	595	25.0	500	ND	119	38-132			
Surrogate: <i>n</i> -Nonane	71.1		50.0		142	50-200			

## Matrix Spike Dup (2151031-MSD1)

Source: E112076-05

Prepared: 12/17/21 Analyzed: 12/17/21

Diesel Range Organics (C10-C28)	495	25.0	500	ND	99.0	38-132	18.3	20	
Surrogate: <i>n</i> -Nonane	58.8		50.0		118	50-200			



## QC Summary Data

Tap Rock	Project Name:	Jackson 6 SWD	<b>Reported:</b>
7 W. Compress Road	Project Number:	20105-0002	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/20/2021 2:37:04PM

## 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
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## Blank (2151033-BLK1)

Prepared: 12/17/21 Analyzed: 12/17/21

Chloride	ND	20.0							
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## LCS (2151033-BS1)

Prepared: 12/17/21 Analyzed: 12/17/21

Chloride	251	20.0	250		101	90-110			
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## LCS Dup (2151033-BSD1)

Prepared: 12/17/21 Analyzed: 12/17/21

Chloride	256	20.0	250		102	90-110	1.96	20	
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## QC Summary Report Comment:

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





## Definitions and Notes

Tap Rock	Project Name:	Jackson 6 SWD	
7 W. Compress Road	Project Number:	20105-0002	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/20/21 14:37

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Client: <u>STAR TAPROCK - RESOURCES</u>		Bill To		Lab Use Only		TAT		EPA Program					
Project: <u>JACKSON 6 SWD</u>		Attention: <u>ESS</u>		Lab WO# <u>E 112077</u>		Job Number <u>2005-0002</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>FABIAN FRANCO</u>		Address: <u>7 W Compress Rd</u>		City, State, Zip <u>Artesia, NM</u>		Analysis and Method						RCRA	
Address:		Phone:		Email: <u>Natalie Gladden</u>									
City, State, Zip													
Phone:													
Email: <u>Natalie Gladden</u>													
Report due by:													

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	BGDOC - NM	BGDOC - TX	Remarks
8:58	12/14	S	1	SW 2 - 5'	1							X		
9:40	12/14			SW 4 - 8'	2									
9:52	12/14			SW 5 - 5'	3									
11:08	12/14			SW 6 - 3'	4									
11:16	12/14			SW 7 - 3'	5									
11:40	12/14			SW 8 - 5'	6									
1:22	12/14			SW 9 - 4'	7									
1:40	12/14			SW 12 - 3'	8									
1:50	12/14			SW 17 - 4'	9									
2:15	12/14			SW 18 - 7'	10									

## Additional Instructions:

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

Sampled by: MARC RIVERA

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <u>Y</u> / <u>N</u> T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

## Envirotech Analytical Laboratory

Printed: 12/17/2021 1:45:03PM

## 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:	12/17/21 10:38	Work Order ID:	E112077
Phone:	(575) 390-6397	Date Logged In:	12/16/21 15:45	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	12/17/21 17:00 (0 day TAT)		

**Chain of Custody (COC)**

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

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

Carrier: FedEx**Comments/Resolution****Sample Turn Around Time (TAT)**

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

**Sample Cooler**

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

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

**Sample Container**

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

**Field Label**

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

**Sample Preservation**

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

**Multiphase Sample Matrix**

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

**Subcontract Laboratory**

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

**Client Instruction**

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

Date



envirotech Inc.

Report to:  
Natalie Gladden



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Tap Rock

Project Name: Jackson 6

Work Order: E201032

Job Number: 20046-0001

Received: 1/12/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
1/12/22

5796 U.S. Hwy 64  
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.  
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)



Date Reported: 1/12/22

Natalie Gladden  
7 W. Compress Road  
Artesia, NM 88210



Project Name: Jackson 6  
Workorder: E201032  
Date Received: 1/12/2022 10:20:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/12/2022 10:20:00AM, under the Project Name: Jackson 6.

The analytical test results summarized in this report with the Project Name: Jackson 6 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
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Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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**Alexa Michaels**  
Sample Custody Officer  
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**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

Tap Rock	Project Name:	Jackson 6	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	01/12/22 18:53

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP2-8'	E201032-01A	Soil	01/04/22	01/12/22	Glass Jar, 4 oz.
SP3-11'	E201032-02A	Soil	01/04/22	01/12/22	Glass Jar, 4 oz.
SP4-9'	E201032-03A	Soil	01/04/22	01/12/22	Glass Jar, 4 oz.
SP5-8'	E201032-04A	Soil	01/04/22	01/12/22	Glass Jar, 4 oz.
SP6-10'	E201032-05A	Soil	01/04/22	01/12/22	Glass Jar, 4 oz.
SP8-12'	E201032-06A	Soil	01/04/22	01/12/22	Glass Jar, 4 oz.
SP9-12'	E201032-07A	Soil	01/04/22	01/12/22	Glass Jar, 4 oz.
SW3-10'	E201032-08A	Soil	01/04/22	01/12/22	Glass Jar, 4 oz.
Comp 1	E201032-09A	Soil	01/07/22	01/12/22	Glass Jar, 4 oz.
Comp 2	E201032-10A	Soil	01/07/22	01/12/22	Glass Jar, 4 oz.
Comp 3	E201032-11A	Soil	01/07/22	01/12/22	Glass Jar, 4 oz.
Comp 4	E201032-12A	Soil	01/07/22	01/12/22	Glass Jar, 4 oz.
Comp 5	E201032-13A	Soil	01/07/22	01/12/22	Glass Jar, 4 oz.
Comp 6	E201032-14A	Soil	01/07/22	01/12/22	Glass Jar, 4 oz.
Comp 7	E201032-15A	Soil	01/07/22	01/12/22	Glass Jar, 4 oz.



## Sample Data

Tap Rock	Project Name:	Jackson 6	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/12/2022 6:53:22PM

## SP2-8'

## E201032-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2203011	
Benzene	ND	0.0250	1	01/12/22	01/12/22	
Ethylbenzene	ND	0.0250	1	01/12/22	01/12/22	
Toluene	ND	0.0250	1	01/12/22	01/12/22	
o-Xylene	ND	0.0250	1	01/12/22	01/12/22	
p,m-Xylene	ND	0.0500	1	01/12/22	01/12/22	
Total Xylenes	ND	0.0250	1	01/12/22	01/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2203011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/22	01/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.3 %	70-130	01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2203010	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/22	01/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/22	01/12/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	01/12/22	01/12/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: GB		Batch: 2203012	
Chloride	161	20.0	1	01/12/22	01/12/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/12/2022 6:53:22PM

SP3-11'

E201032-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Benzene	ND	0.0250	1	01/12/22	01/12/22	
Ethylbenzene	ND	0.0250	1	01/12/22	01/12/22	
Toluene	ND	0.0250	1	01/12/22	01/12/22	
o-Xylene	ND	0.0250	1	01/12/22	01/12/22	
p,m-Xylene	ND	0.0500	1	01/12/22	01/12/22	
Total Xylenes	ND	0.0250	1	01/12/22	01/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.0 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/22	01/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.7 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2203010
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/22	01/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/22	01/12/22	
<i>Surrogate: n-Nonane</i>						
	118 %	50-200		01/12/22	01/12/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: GB		Batch: 2203012
Chloride	293	20.0	1	01/12/22	01/12/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/12/2022 6:53:22PM

SP4-9'

E201032-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Benzene	ND	0.0250	1	01/12/22	01/12/22	
Ethylbenzene	ND	0.0250	1	01/12/22	01/12/22	
Toluene	ND	0.0250	1	01/12/22	01/12/22	
o-Xylene	ND	0.0250	1	01/12/22	01/12/22	
p,m-Xylene	ND	0.0500	1	01/12/22	01/12/22	
Total Xylenes	ND	0.0250	1	01/12/22	01/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.2 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/22	01/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2203010
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/22	01/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/22	01/12/22	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		01/12/22	01/12/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: GB		Batch: 2203012
Chloride	155	20.0	1	01/12/22	01/12/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/12/2022 6:53:22PM

SP5-8'

E201032-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Benzene	ND	0.0250	1	01/12/22	01/12/22	
Ethylbenzene	ND	0.0250	1	01/12/22	01/12/22	
Toluene	ND	0.0250	1	01/12/22	01/12/22	
o-Xylene	ND	0.0250	1	01/12/22	01/12/22	
p,m-Xylene	ND	0.0500	1	01/12/22	01/12/22	
Total Xylenes	ND	0.0250	1	01/12/22	01/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.6 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/22	01/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2203010
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/22	01/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/22	01/12/22	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		01/12/22	01/12/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: GB		Batch: 2203012
Chloride	141	20.0	1	01/12/22	01/12/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/12/2022 6:53:22PM

SP6-10'

E201032-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Benzene	ND	0.0250	1	01/12/22	01/12/22	
Ethylbenzene	ND	0.0250	1	01/12/22	01/12/22	
Toluene	ND	0.0250	1	01/12/22	01/12/22	
o-Xylene	ND	0.0250	1	01/12/22	01/12/22	
p,m-Xylene	ND	0.0500	1	01/12/22	01/12/22	
Total Xylenes	ND	0.0250	1	01/12/22	01/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.8 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/22	01/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.5 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2203010
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/22	01/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/22	01/12/22	
<i>Surrogate: n-Nonane</i>						
	120 %	50-200		01/12/22	01/12/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: GB		Batch: 2203012
Chloride	ND	20.0	1	01/12/22	01/12/22	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/12/2022 6:53:22PM

SP8-12'

E201032-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Benzene	ND	0.0250	1	01/12/22	01/12/22	
Ethylbenzene	ND	0.0250	1	01/12/22	01/12/22	
Toluene	ND	0.0250	1	01/12/22	01/12/22	
o-Xylene	ND	0.0250	1	01/12/22	01/12/22	
p,m-Xylene	ND	0.0500	1	01/12/22	01/12/22	
Total Xylenes	ND	0.0250	1	01/12/22	01/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.6 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/22	01/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.5 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2203010
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/22	01/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/22	01/12/22	
<i>Surrogate: n-Nonane</i>						
	75.4 %	50-200		01/12/22	01/12/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: GB		Batch: 2203012
Chloride	ND	20.0	1	01/12/22	01/12/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/12/2022 6:53:22PM

SP9-12'

E201032-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Benzene	ND	0.0250	1	01/12/22	01/12/22	
Ethylbenzene	ND	0.0250	1	01/12/22	01/12/22	
Toluene	ND	0.0250	1	01/12/22	01/12/22	
o-Xylene	ND	0.0250	1	01/12/22	01/12/22	
p,m-Xylene	ND	0.0500	1	01/12/22	01/12/22	
Total Xylenes	ND	0.0250	1	01/12/22	01/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.3 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/22	01/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.4 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2203010
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/22	01/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/22	01/12/22	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		01/12/22	01/12/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: GB		Batch: 2203012
Chloride	62.5	20.0	1	01/12/22	01/12/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/12/2022 6:53:22PM

SW3-10'

E201032-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Benzene	ND	0.0250	1	01/12/22	01/12/22	
Ethylbenzene	ND	0.0250	1	01/12/22	01/12/22	
Toluene	ND	0.0250	1	01/12/22	01/12/22	
o-Xylene	ND	0.0250	1	01/12/22	01/12/22	
p,m-Xylene	ND	0.0500	1	01/12/22	01/12/22	
Total Xylenes	ND	0.0250	1	01/12/22	01/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/22	01/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.1 %	70-130	01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2203010
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/22	01/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/22	01/12/22	
<i>Surrogate: n-Nonane</i>						
		130 %	50-200	01/12/22	01/12/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: GB		Batch: 2203012
Chloride	305	20.0	1	01/12/22	01/12/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/12/2022 6:53:22PM

**Comp 1**  
**E201032-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Benzene	ND	0.0250	1	01/12/22	01/12/22	
Ethylbenzene	ND	0.0250	1	01/12/22	01/12/22	
Toluene	ND	0.0250	1	01/12/22	01/12/22	
o-Xylene	ND	0.0250	1	01/12/22	01/12/22	
p,m-Xylene	ND	0.0500	1	01/12/22	01/12/22	
Total Xylenes	ND	0.0250	1	01/12/22	01/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.6 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/22	01/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.4 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2203010
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/22	01/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/22	01/12/22	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		01/12/22	01/12/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: GB		Batch: 2203012
Chloride	205	20.0	1	01/12/22	01/12/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/12/2022 6:53:22PM

## Comp 2

E201032-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2203011
Benzene	ND	0.0250	1	01/12/22	01/12/22	
Ethylbenzene	ND	0.0250	1	01/12/22	01/12/22	
Toluene	ND	0.0250	1	01/12/22	01/12/22	
o-Xylene	ND	0.0250	1	01/12/22	01/12/22	
p,m-Xylene	ND	0.0500	1	01/12/22	01/12/22	
Total Xylenes	ND	0.0250	1	01/12/22	01/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.0 %	70-130	01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2203011
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/22	01/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: JL		Batch: 2203010
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/22	01/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/22	01/12/22	
<i>Surrogate: n-Nonane</i>		105 %	50-200	01/12/22	01/12/22	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: GB		Batch: 2203012
Chloride	227	20.0	1	01/12/22	01/12/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/12/2022 6:53:22PM

## Comp 3

E201032-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Benzene	ND	0.0250	1	01/12/22	01/12/22	
Ethylbenzene	ND	0.0250	1	01/12/22	01/12/22	
Toluene	ND	0.0250	1	01/12/22	01/12/22	
o-Xylene	ND	0.0250	1	01/12/22	01/12/22	
p,m-Xylene	ND	0.0500	1	01/12/22	01/12/22	
Total Xylenes	ND	0.0250	1	01/12/22	01/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.4 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/22	01/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2203010
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/22	01/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/22	01/12/22	
<i>Surrogate: n-Nonane</i>						
	97.0 %	50-200		01/12/22	01/12/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: GB		Batch: 2203012
Chloride	149	20.0	1	01/12/22	01/12/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/12/2022 6:53:22PM

## Comp 4

E201032-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Benzene	ND	0.0250	1	01/12/22	01/12/22	
Ethylbenzene	ND	0.0250	1	01/12/22	01/12/22	
Toluene	ND	0.0250	1	01/12/22	01/12/22	
o-Xylene	ND	0.0250	1	01/12/22	01/12/22	
p,m-Xylene	ND	0.0500	1	01/12/22	01/12/22	
Total Xylenes	ND	0.0250	1	01/12/22	01/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.1 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/22	01/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2203010
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/22	01/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/22	01/12/22	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		01/12/22	01/12/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: GB		Batch: 2203012
Chloride	139	20.0	1	01/12/22	01/12/22	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/12/2022 6:53:22PM

**Comp 5**  
**E201032-13**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Benzene	ND	0.0250	1	01/12/22	01/12/22	
Ethylbenzene	ND	0.0250	1	01/12/22	01/12/22	
Toluene	ND	0.0250	1	01/12/22	01/12/22	
o-Xylene	ND	0.0250	1	01/12/22	01/12/22	
p,m-Xylene	ND	0.0500	1	01/12/22	01/12/22	
Total Xylenes	ND	0.0250	1	01/12/22	01/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.4 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/22	01/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2203010
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/22	01/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/22	01/12/22	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		01/12/22	01/12/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: GB		Batch: 2203012
Chloride	257	20.0	1	01/12/22	01/12/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/12/2022 6:53:22PM

**Comp 6**  
**E201032-14**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2203011	
Benzene	ND	0.0250	1	01/12/22	01/12/22	
Ethylbenzene	ND	0.0250	1	01/12/22	01/12/22	
Toluene	ND	0.0250	1	01/12/22	01/12/22	
o-Xylene	ND	0.0250	1	01/12/22	01/12/22	
p,m-Xylene	ND	0.0500	1	01/12/22	01/12/22	
Total Xylenes	ND	0.0250	1	01/12/22	01/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.5 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2203011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/22	01/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	105 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2203010	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/22	01/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/22	01/12/22	
<i>Surrogate: n-Nonane</i>	108 %	50-200		01/12/22	01/12/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: GB		Batch: 2203012	
Chloride	241	20.0	1	01/12/22	01/12/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/12/2022 6:53:22PM

## Comp 7

E201032-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Benzene	ND	0.0250	1	01/12/22	01/12/22	
Ethylbenzene	ND	0.0250	1	01/12/22	01/12/22	
Toluene	ND	0.0250	1	01/12/22	01/12/22	
o-Xylene	ND	0.0250	1	01/12/22	01/12/22	
p,m-Xylene	ND	0.0500	1	01/12/22	01/12/22	
Total Xylenes	ND	0.0250	1	01/12/22	01/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.4 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/22	01/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2203010
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/22	01/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/22	01/12/22	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		01/12/22	01/12/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: GB		Batch: 2203012
Chloride	69.8	20.0	1	01/12/22	01/12/22	



## QC Summary Data

Tap Rock	Project Name:	Jackson 6	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/12/2022 6:53:22PM

## Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2203011-BLK1)

Prepared: 01/12/22 Analyzed: 01/12/22

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	7.22		8.00		90.3	70-130			

## LCS (2203011-BS1)

Prepared: 01/12/22 Analyzed: 01/12/22

Benzene	4.90	0.0250	5.00		97.9	70-130			
Ethylbenzene	4.82	0.0250	5.00		96.4	70-130			
Toluene	4.99	0.0250	5.00		99.8	70-130			
o-Xylene	4.93	0.0250	5.00		98.6	70-130			
p,m-Xylene	9.80	0.0500	10.0		98.0	70-130			
Total Xylenes	14.7	0.0250	15.0		98.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.51		8.00		93.9	70-130			

## Matrix Spike (2203011-MS1)

Source: E201032-02

Prepared: 01/12/22 Analyzed: 01/12/22

Benzene	4.76	0.0250	5.00	ND	95.2	54-133			
Ethylbenzene	4.70	0.0250	5.00	ND	94.0	61-133			
Toluene	4.87	0.0250	5.00	ND	97.4	61-130			
o-Xylene	4.82	0.0250	5.00	ND	96.4	63-131			
p,m-Xylene	9.57	0.0500	10.0	ND	95.7	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	95.9	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.70		8.00		96.2	70-130			

## Matrix Spike Dup (2203011-MSD1)

Source: E201032-02

Prepared: 01/12/22 Analyzed: 01/12/22

Benzene	4.83	0.0250	5.00	ND	96.6	54-133	1.50	20	
Ethylbenzene	4.82	0.0250	5.00	ND	96.4	61-133	2.49	20	
Toluene	4.97	0.0250	5.00	ND	99.4	61-130	2.00	20	
o-Xylene	4.93	0.0250	5.00	ND	98.7	63-131	2.35	20	
p,m-Xylene	9.81	0.0500	10.0	ND	98.1	63-131	2.51	20	
Total Xylenes	14.7	0.0250	15.0	ND	98.3	63-131	2.46	20	
Surrogate: 4-Bromochlorobenzene-PID	8.43		8.00		105	70-130			



## QC Summary Data

Tap Rock	Project Name:	Jackson 6	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/12/2022 6:53:22PM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2203011-BLK1)

Prepared: 01/12/22 Analyzed: 01/12/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.9	70-130			

## LCS (2203011-BS2)

Prepared: 01/12/22 Analyzed: 01/12/22

Gasoline Range Organics (C6-C10)	54.6	20.0	50.0		109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.82		8.00		97.8	70-130			

## Matrix Spike (2203011-MS2)

Source: E201032-02

Prepared: 01/12/22 Analyzed: 01/12/22

Gasoline Range Organics (C6-C10)	57.2	20.0	50.0	ND	114	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.84		8.00		98.0	70-130			

## Matrix Spike Dup (2203011-MSD2)

Source: E201032-02

Prepared: 01/12/22 Analyzed: 01/12/22

Gasoline Range Organics (C6-C10)	57.6	20.0	50.0	ND	115	70-130	0.610	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.81		8.00		97.6	70-130			



## QC Summary Data

Tap Rock	Project Name:	Jackson 6	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/12/2022 6:53:22PM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2203010-BLK1)

Prepared: 01/12/22 Analyzed: 01/12/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	54.4		50.0		109	50-200			

## LCS (2203010-BS1)

Prepared: 01/12/22 Analyzed: 01/12/22

Diesel Range Organics (C10-C28)	469	25.0	500		93.8	38-132			
Surrogate: <i>n</i> -Nonane	55.8		50.0		112	50-200			

## Matrix Spike (2203010-MS1)

Source: E201032-02

Prepared: 01/12/22 Analyzed: 01/12/22

Diesel Range Organics (C10-C28)	406	25.0	500	ND	81.3	38-132			
Surrogate: <i>n</i> -Nonane	56.7		50.0		113	50-200			

## Matrix Spike Dup (2203010-MSD1)

Source: E201032-02

Prepared: 01/12/22 Analyzed: 01/12/22

Diesel Range Organics (C10-C28)	431	25.0	500	ND	86.2	38-132	5.91	20	
Surrogate: <i>n</i> -Nonane	58.9		50.0		118	50-200			



## QC Summary Data

Tap Rock	Project Name:	Jackson 6	<b>Reported:</b>
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/12/2022 6:53:22PM

## Anions 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 Limit %	Notes
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## Blank (2203012-BLK1)

Prepared: 01/12/22 Analyzed: 01/12/22

Chloride ND 20.0

## LCS (2203012-BS1)

Prepared: 01/12/22 Analyzed: 01/12/22

Chloride 270 20.0 250 108 90-110

## Matrix Spike (2203012-MS1)

Source: E201032-02

Prepared: 01/12/22 Analyzed: 01/12/22

Chloride 571 20.0 250 293 111 80-120

## Matrix Spike Dup (2203012-MSD1)

Source: E201032-02

Prepared: 01/12/22 Analyzed: 01/12/22

Chloride 570 20.0 250 293 111 80-120 0.237 20

## QC Summary Report Comment:

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





Definitions and Notes

Tap Rock	Project Name:	Jackson 6	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	01/12/22 18:53

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

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

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




Client: <u>Taprock</u>	Bill To		Lab Use Only				TAT				EPA Program					
Project: <u>Jackson 6</u>	Attention: <u>ESS</u>		Lab WO#		Job Number		1D	2D	3D	Standard		CWA	SDWA			
Project Manager:	Address: <u>2724 W LR</u>		<u>E201032</u>		<u>200460001</u>			<input checked="" type="checkbox"/>								
Address:	City, State, Zip <u>Hobbs, NM 88240</u>		Analysis and Method											RCRA		
City, State, Zip	Phone:												State			
Phone:	Email: <u>Natalie</u>												NM			TX
Email:			10 by 8015	10 by 8015	8021	8260	5010	300.0				NM	CO	UT	AZ	TX
Report due by: <u>4/2/22</u>												<input checked="" type="checkbox"/>				

[illegible]

**Additional Instructions:**

Additional instructions: Sample prints are to be reported first-per-client request - DM 1/12/22

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

Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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.



## Project Information

## Chain of Custody

Page 2 of 2

Client: <u>Topheric</u>	Bill To	Attention: <u>ELS</u>	Lab Use Only		TAT				EPA Program		
Project: <u>Jackson Co</u>		Address: <u>2724 W CR</u>	Lab WO# <u>E201032</u>	Job Number <u>200460001</u>	1D	2D	3D	Standard	CWA	SDWA	
Project Manager:		City, State, Zip <u>Hobbs, NM 88240</u>	Analysis and Method								RCRA
Address:		Phone:	DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX	State							
City, State, Zip		Email: <u>Natalie</u>		NM	CO	UT	AZ	TX			
Phone:											
Email:											
Report due by: <u>1/12/22</u>											

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
	1-11-22	S	1	SP5-8'	4							X		
				SP6-10'	5									
				SP8-12'	6									
				SP9-12'	7									
				SW3-10'	8									

## Additional Instructions:

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

Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <u>Y</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature)	1-11-22	2:45	Received by: (Signature)	1-11-22	1445	
Relinquished by: (Signature)	1-11-22	1655	Received by: (Signature)	1/12/22	10:20	

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

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

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

## Envirotech Analytical Laboratory

Printed: 1/12/2022 5:54:30PM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Tap Rock	Date Received:	01/12/22 10:20	Work Order ID:	E201032
Phone:	(575) 390-6397	Date Logged In:	01/11/22 16:36	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	01/12/22 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: UPSComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

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

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:  
Natalie Gladden



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Tap Rock

Project Name: Jackson 6

Work Order: E201032

Job Number: 20046-0001

Received: 1/12/2022

Revision: 2

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
1/14/22

5796 U.S. Hwy 64  
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.  
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)



Date Reported: 1/14/22

Natalie Gladden  
7 W. Compress Road  
Artesia, NM 88210



Project Name: Jackson 6  
Workorder: E201032  
Date Received: 1/12/2022 10:20:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/12/2022 10:20:00AM, under the Project Name: Jackson 6.

The analytical test results summarized in this report with the Project Name: Jackson 6 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

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

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

Tap Rock	Project Name:	Jackson 6	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	01/14/22 13:58

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP2-8'	E201032-01A	Soil	01/04/22	01/12/22	Glass Jar, 4 oz.
SP3-11'	E201032-02A	Soil	01/04/22	01/12/22	Glass Jar, 4 oz.
SP4-9'	E201032-03A	Soil	01/04/22	01/12/22	Glass Jar, 4 oz.
SP5-8'	E201032-04A	Soil	01/04/22	01/12/22	Glass Jar, 4 oz.
SP6-10'	E201032-05A	Soil	01/04/22	01/12/22	Glass Jar, 4 oz.
SP8-12'	E201032-06A	Soil	01/04/22	01/12/22	Glass Jar, 4 oz.
SP9-12'	E201032-07A	Soil	01/04/22	01/12/22	Glass Jar, 4 oz.
SW3-10'	E201032-08A	Soil	01/04/22	01/12/22	Glass Jar, 4 oz.
Comp 1	E201032-09A	Soil	01/07/22	01/12/22	Glass Jar, 4 oz.
Comp 2	E201032-10A	Soil	01/07/22	01/12/22	Glass Jar, 4 oz.
Comp 3	E201032-11A	Soil	01/07/22	01/12/22	Glass Jar, 4 oz.
Comp 4	E201032-12A	Soil	01/07/22	01/12/22	Glass Jar, 4 oz.
Comp 5	E201032-13A	Soil	01/07/22	01/12/22	Glass Jar, 4 oz.
Comp 6	E201032-14A	Soil	01/07/22	01/12/22	Glass Jar, 4 oz.
Comp 7	E201032-15A	Soil	01/07/22	01/12/22	Glass Jar, 4 oz.



## Sample Data

Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Jackson 6 Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 1/14/2022 1:58:00PM
---	---	---

## SP2-8'

## E201032-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2203011	
Benzene	ND	0.0250	1	01/12/22	01/12/22	
Ethylbenzene	ND	0.0250	1	01/12/22	01/12/22	
Toluene	ND	0.0250	1	01/12/22	01/12/22	
o-Xylene	ND	0.0250	1	01/12/22	01/12/22	
p,m-Xylene	ND	0.0500	1	01/12/22	01/12/22	
Total Xylenes	ND	0.0250	1	01/12/22	01/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2203011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/22	01/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.3 %	70-130	01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2203010	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/22	01/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/22	01/12/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	01/12/22	01/12/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2203012	
Chloride	165	20.0	1	01/13/22	01/13/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/14/2022 1:58:00PM

SP3-11'

E201032-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Benzene	ND	0.0250	1	01/12/22	01/12/22	
Ethylbenzene	ND	0.0250	1	01/12/22	01/12/22	
Toluene	ND	0.0250	1	01/12/22	01/12/22	
o-Xylene	ND	0.0250	1	01/12/22	01/12/22	
p,m-Xylene	ND	0.0500	1	01/12/22	01/12/22	
Total Xylenes	ND	0.0250	1	01/12/22	01/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.0 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/22	01/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.7 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2203010
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/22	01/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/22	01/12/22	
<i>Surrogate: n-Nonane</i>						
	118 %	50-200		01/12/22	01/12/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2203012
Chloride	298	20.0	1	01/13/22	01/13/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/14/2022 1:58:00PM

SP4-9'

E201032-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Benzene	ND	0.0250	1	01/12/22	01/12/22	
Ethylbenzene	ND	0.0250	1	01/12/22	01/12/22	
Toluene	ND	0.0250	1	01/12/22	01/12/22	
o-Xylene	ND	0.0250	1	01/12/22	01/12/22	
p,m-Xylene	ND	0.0500	1	01/12/22	01/12/22	
Total Xylenes	ND	0.0250	1	01/12/22	01/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.2 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/22	01/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2203010
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/22	01/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/22	01/12/22	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		01/12/22	01/12/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2203012
Chloride	158	20.0	1	01/13/22	01/13/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/14/2022 1:58:00PM

SP5-8'

E201032-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Benzene	ND	0.0250	1	01/12/22	01/12/22	
Ethylbenzene	ND	0.0250	1	01/12/22	01/12/22	
Toluene	ND	0.0250	1	01/12/22	01/12/22	
o-Xylene	ND	0.0250	1	01/12/22	01/12/22	
p,m-Xylene	ND	0.0500	1	01/12/22	01/12/22	
Total Xylenes	ND	0.0250	1	01/12/22	01/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.6 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/22	01/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2203010
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/22	01/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/22	01/12/22	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		01/12/22	01/12/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2203012
Chloride	159	20.0	1	01/13/22	01/13/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/14/2022 1:58:00PM

SP6-10'

E201032-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Benzene	ND	0.0250	1	01/12/22	01/12/22	
Ethylbenzene	ND	0.0250	1	01/12/22	01/12/22	
Toluene	ND	0.0250	1	01/12/22	01/12/22	
o-Xylene	ND	0.0250	1	01/12/22	01/12/22	
p,m-Xylene	ND	0.0500	1	01/12/22	01/12/22	
Total Xylenes	ND	0.0250	1	01/12/22	01/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.8 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/22	01/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.5 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2203010
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/22	01/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/22	01/12/22	
<i>Surrogate: n-Nonane</i>						
	120 %	50-200		01/12/22	01/12/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2203012
Chloride	280	20.0	1	01/13/22	01/13/22	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/14/2022 1:58:00PM

SP8-12'

E201032-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Benzene	ND	0.0250	1	01/12/22	01/12/22	
Ethylbenzene	ND	0.0250	1	01/12/22	01/12/22	
Toluene	ND	0.0250	1	01/12/22	01/12/22	
o-Xylene	ND	0.0250	1	01/12/22	01/12/22	
p,m-Xylene	ND	0.0500	1	01/12/22	01/12/22	
Total Xylenes	ND	0.0250	1	01/12/22	01/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.6 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/22	01/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.5 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2203010
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/22	01/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/22	01/12/22	
<i>Surrogate: n-Nonane</i>						
	75.4 %	50-200		01/12/22	01/12/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2203012
Chloride	295	20.0	1	01/13/22	01/13/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/14/2022 1:58:00PM

SP9-12'

E201032-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Benzene	ND	0.0250	1	01/12/22	01/12/22	
Ethylbenzene	ND	0.0250	1	01/12/22	01/12/22	
Toluene	ND	0.0250	1	01/12/22	01/12/22	
o-Xylene	ND	0.0250	1	01/12/22	01/12/22	
p,m-Xylene	ND	0.0500	1	01/12/22	01/12/22	
Total Xylenes	ND	0.0250	1	01/12/22	01/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.3 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/22	01/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.4 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2203010
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/22	01/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/22	01/12/22	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		01/12/22	01/12/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2203012
Chloride	62.5	20.0	1	01/12/22	01/12/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/14/2022 1:58:00PM

SW3-10'

E201032-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Benzene	ND	0.0250	1	01/12/22	01/12/22	
Ethylbenzene	ND	0.0250	1	01/12/22	01/12/22	
Toluene	ND	0.0250	1	01/12/22	01/12/22	
o-Xylene	ND	0.0250	1	01/12/22	01/12/22	
p,m-Xylene	ND	0.0500	1	01/12/22	01/12/22	
Total Xylenes	ND	0.0250	1	01/12/22	01/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/22	01/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.1 %	70-130	01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2203010
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/22	01/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/22	01/12/22	
<i>Surrogate: n-Nonane</i>						
		130 %	50-200	01/12/22	01/12/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2203012
Chloride	305	20.0	1	01/12/22	01/12/22	



## Sample Data

Tap Rock	Project Name:	Jackson 6	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/14/2022 1:58:00PM

## Comp 1

E201032-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2203011	
Benzene	ND	0.0250	1	01/12/22	01/12/22	
Ethylbenzene	ND	0.0250	1	01/12/22	01/12/22	
Toluene	ND	0.0250	1	01/12/22	01/12/22	
o-Xylene	ND	0.0250	1	01/12/22	01/12/22	
p,m-Xylene	ND	0.0500	1	01/12/22	01/12/22	
Total Xylenes	ND	0.0250	1	01/12/22	01/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	93.6 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2203011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/22	01/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	96.4 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2203010	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/22	01/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/22	01/12/22	
<i>Surrogate: n-Nonane</i>	106 %	50-200		01/12/22	01/12/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2203012	
Chloride	205	20.0	1	01/12/22	01/12/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/14/2022 1:58:00PM

## Comp 2

E201032-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Benzene	ND	0.0250	1	01/12/22	01/12/22	
Ethylbenzene	ND	0.0250	1	01/12/22	01/12/22	
Toluene	ND	0.0250	1	01/12/22	01/12/22	
o-Xylene	ND	0.0250	1	01/12/22	01/12/22	
p,m-Xylene	ND	0.0500	1	01/12/22	01/12/22	
Total Xylenes	ND	0.0250	1	01/12/22	01/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.0 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/22	01/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2203010
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/22	01/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/22	01/12/22	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		01/12/22	01/12/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2203012
Chloride	227	20.0	1	01/12/22	01/12/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/14/2022 1:58:00PM

## Comp 3

E201032-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Benzene	ND	0.0250	1	01/12/22	01/12/22	
Ethylbenzene	ND	0.0250	1	01/12/22	01/12/22	
Toluene	ND	0.0250	1	01/12/22	01/12/22	
o-Xylene	ND	0.0250	1	01/12/22	01/12/22	
p,m-Xylene	ND	0.0500	1	01/12/22	01/12/22	
Total Xylenes	ND	0.0250	1	01/12/22	01/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.4 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/22	01/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2203010
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/22	01/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/22	01/12/22	
<i>Surrogate: n-Nonane</i>						
	97.0 %	50-200		01/12/22	01/12/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2203012
Chloride	149	20.0	1	01/12/22	01/12/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/14/2022 1:58:00PM

**Comp 4**  
**E201032-12**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Benzene	ND	0.0250	1	01/12/22	01/12/22	
Ethylbenzene	ND	0.0250	1	01/12/22	01/12/22	
Toluene	ND	0.0250	1	01/12/22	01/12/22	
o-Xylene	ND	0.0250	1	01/12/22	01/12/22	
p,m-Xylene	ND	0.0500	1	01/12/22	01/12/22	
Total Xylenes	ND	0.0250	1	01/12/22	01/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.1 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/22	01/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2203010
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/22	01/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/22	01/12/22	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		01/12/22	01/12/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2203012
Chloride	139	20.0	1	01/12/22	01/12/22	





## Sample Data

Tap Rock	Project Name:	Jackson 6	<b>Reported:</b> 1/14/2022 1:58:00PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

## Comp 5

E201032-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2203011	
Benzene	ND	0.0250	1	01/12/22	01/12/22	
Ethylbenzene	ND	0.0250	1	01/12/22	01/12/22	
Toluene	ND	0.0250	1	01/12/22	01/12/22	
o-Xylene	ND	0.0250	1	01/12/22	01/12/22	
p,m-Xylene	ND	0.0500	1	01/12/22	01/12/22	
Total Xylenes	ND	0.0250	1	01/12/22	01/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.4 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2203011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/22	01/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	105 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2203010	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/22	01/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/22	01/12/22	
<i>Surrogate: n-Nonane</i>	108 %	50-200		01/12/22	01/12/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2203012	
Chloride	257	20.0	1	01/12/22	01/12/22	



## Sample Data

Tap Rock	Project Name:	Jackson 6	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/14/2022 1:58:00PM

## Comp 6

E201032-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2203011	
Benzene	ND	0.0250	1	01/12/22	01/12/22	
Ethylbenzene	ND	0.0250	1	01/12/22	01/12/22	
Toluene	ND	0.0250	1	01/12/22	01/12/22	
o-Xylene	ND	0.0250	1	01/12/22	01/12/22	
p,m-Xylene	ND	0.0500	1	01/12/22	01/12/22	
Total Xylenes	ND	0.0250	1	01/12/22	01/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.5 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2203011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/22	01/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	105 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2203010	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/22	01/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/22	01/12/22	
<i>Surrogate: n-Nonane</i>	108 %	50-200		01/12/22	01/12/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2203012	
Chloride	241	20.0	1	01/12/22	01/12/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/14/2022 1:58:00PM

## Comp 7

E201032-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Benzene	ND	0.0250	1	01/12/22	01/12/22	
Ethylbenzene	ND	0.0250	1	01/12/22	01/12/22	
Toluene	ND	0.0250	1	01/12/22	01/12/22	
o-Xylene	ND	0.0250	1	01/12/22	01/12/22	
p,m-Xylene	ND	0.0500	1	01/12/22	01/12/22	
Total Xylenes	ND	0.0250	1	01/12/22	01/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.4 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203011
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/22	01/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %	70-130		01/12/22	01/12/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2203010
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/22	01/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/22	01/12/22	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		01/12/22	01/12/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2203012
Chloride	69.8	20.0	1	01/12/22	01/12/22	



## QC Summary Data

Tap Rock	Project Name:	Jackson 6	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/14/2022 1:58:00PM

## Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2203011-BLK1)

Prepared: 01/12/22 Analyzed: 01/12/22

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	7.22		8.00		90.3	70-130			

## LCS (2203011-BS1)

Prepared: 01/12/22 Analyzed: 01/12/22

Benzene	4.90	0.0250	5.00		97.9	70-130			
Ethylbenzene	4.82	0.0250	5.00		96.4	70-130			
Toluene	4.99	0.0250	5.00		99.8	70-130			
o-Xylene	4.93	0.0250	5.00		98.6	70-130			
p,m-Xylene	9.80	0.0500	10.0		98.0	70-130			
Total Xylenes	14.7	0.0250	15.0		98.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.51		8.00		93.9	70-130			

## Matrix Spike (2203011-MS1)

Source: E201032-02

Prepared: 01/12/22 Analyzed: 01/12/22

Benzene	4.76	0.0250	5.00	ND	95.2	54-133			
Ethylbenzene	4.70	0.0250	5.00	ND	94.0	61-133			
Toluene	4.87	0.0250	5.00	ND	97.4	61-130			
o-Xylene	4.82	0.0250	5.00	ND	96.4	63-131			
p,m-Xylene	9.57	0.0500	10.0	ND	95.7	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	95.9	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.70		8.00		96.2	70-130			

## Matrix Spike Dup (2203011-MSD1)

Source: E201032-02

Prepared: 01/12/22 Analyzed: 01/12/22

Benzene	4.83	0.0250	5.00	ND	96.6	54-133	1.50	20	
Ethylbenzene	4.82	0.0250	5.00	ND	96.4	61-133	2.49	20	
Toluene	4.97	0.0250	5.00	ND	99.4	61-130	2.00	20	
o-Xylene	4.93	0.0250	5.00	ND	98.7	63-131	2.35	20	
p,m-Xylene	9.81	0.0500	10.0	ND	98.1	63-131	2.51	20	
Total Xylenes	14.7	0.0250	15.0	ND	98.3	63-131	2.46	20	
Surrogate: 4-Bromochlorobenzene-PID	8.43		8.00		105	70-130			



## QC Summary Data

Tap Rock	Project Name:	Jackson 6	<b>Reported:</b>
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/14/2022 1:58:00PM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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

## Blank (2203011-BLK1)

Prepared: 01/12/22 Analyzed: 01/12/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.9	70-130			

## LCS (2203011-BS2)

Prepared: 01/12/22 Analyzed: 01/12/22

Gasoline Range Organics (C6-C10)	54.6	20.0	50.0		109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.82		8.00		97.8	70-130			

## Matrix Spike (2203011-MS2)

Source: E201032-02

Prepared: 01/12/22 Analyzed: 01/12/22

Gasoline Range Organics (C6-C10)	57.2	20.0	50.0	ND	114	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.84		8.00		98.0	70-130			

## Matrix Spike Dup (2203011-MSD2)

Source: E201032-02

Prepared: 01/12/22 Analyzed: 01/12/22

Gasoline Range Organics (C6-C10)	57.6	20.0	50.0	ND	115	70-130	0.610	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.81		8.00		97.6	70-130			



## QC Summary Data

Tap Rock	Project Name:	Jackson 6	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/14/2022 1:58:00PM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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

## Blank (2203010-BLK1)

Prepared: 01/12/22 Analyzed: 01/12/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	54.4		50.0		109	50-200			

## LCS (2203010-BS1)

Prepared: 01/12/22 Analyzed: 01/12/22

Diesel Range Organics (C10-C28)	469	25.0	500		93.8	38-132			
Surrogate: <i>n</i> -Nonane	55.8		50.0		112	50-200			

## Matrix Spike (2203010-MS1)

Source: E201032-02

Prepared: 01/12/22 Analyzed: 01/12/22

Diesel Range Organics (C10-C28)	406	25.0	500	ND	81.3	38-132			
Surrogate: <i>n</i> -Nonane	56.7		50.0		113	50-200			

## Matrix Spike Dup (2203010-MSD1)

Source: E201032-02

Prepared: 01/12/22 Analyzed: 01/12/22

Diesel Range Organics (C10-C28)	431	25.0	500	ND	86.2	38-132	5.91	20	
Surrogate: <i>n</i> -Nonane	58.9		50.0		118	50-200			



## QC Summary Data

Tap Rock	Project Name:	Jackson 6	<b>Reported:</b>
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/14/2022 1:58:00PM

## 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 (2203012-BLK1)

Prepared: 01/12/22 Analyzed: 01/13/22

Chloride ND 20.0

## LCS (2203012-BS1)

Prepared: 01/12/22 Analyzed: 01/13/22

Chloride 273 20.0 250 109 90-110

## Matrix Spike (2203012-MS1)

Source: E201032-02RE1

Prepared: 01/12/22 Analyzed: 01/13/22

Chloride 578 20.0 250 298 112 80-120

## Matrix Spike Dup (2203012-MSD1)

Source: E201032-02RE1

Prepared: 01/12/22 Analyzed: 01/13/22

Chloride 576 20.0 250 298 111 80-120 0.307 20

## QC Summary Report Comment:

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





Definitions and Notes

Tap Rock	Project Name:	Jackson 6	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	01/14/22 13:58

- 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		<b>Bill To</b>						<b>Lab Use Only</b>				<b>TAT</b>				<b>EPA Program</b>					
Project: Jackson 6		Attention: FSS						Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA				
Project Manager:		Address: 2724 W LR						E201032		20046-0001			X								
Address:		City, State, Zip Hobbs, NM 88240						Analysis and Method										RCRA			
City, State, Zip		Phone:															State				
Phone:		Email: Natalie															NM	CO	UT	AZ	TX
Email:																	X				
Report due by: 1/2/22																					

[illegible]

**Additional Instructions:**

Additional instructions: Sample prints are to be reported first-percipient request on 1/12/22

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

Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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.



## Project Information

## Chain of Custody

Page 2 of 2

Client: <u>Topheric</u>	Bill To	Lab Use Only		TAT				EPA Program																				
Project: <u>Jackson Co</u>		Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA																			
Project Manager:		<u>E201032</u>	<u>200460001</u>		<input checked="" type="checkbox"/>																							
Address:		Analysis and Method																										
City, State, Zip		<table border="1"> <tr> <td>DRO/DRO by 8015</td> <td>GRO/DRO by 8015</td> <td>BTEX by 8021</td> <td>VOC by 8260</td> <td>Metals 6010</td> <td>Chloride 300.0</td> <td></td> <td></td> <td>BDOC NM</td> <td>BDOC TX</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>								DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BDOC NM	BDOC TX									
DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BDOC NM	BDOC TX																			
Phone:	Attention: <u>ELS</u>	State																										
Email:	Address: <u>2724 W CR</u>	<table border="1"> <tr> <td>NM</td> <td>CO</td> <td>UT</td> <td>AZ</td> <td>TX</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>								NM	CO	UT	AZ	TX	<input checked="" type="checkbox"/>													
NM	CO	UT	AZ	TX																								
<input checked="" type="checkbox"/>																												
Report due by: <u>1/12/22</u>	City, State, Zip	Remarks																										
	Phone:																											
	Email: <u>Natalie</u>																											

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	Remarks
	1-11-22	S	1	SP5-8'	4							<input checked="" type="checkbox"/>		
				SP6-10'	5									
				SP8-12'	6									
				SP9-12'	7									
				SW3-10'	8									

## Additional Instructions:

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

Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature)	1-11-22	2:45	Received by: (Signature)	1-11-22	1445	
Relinquished by: (Signature)	1-11-22	1655	Received by: (Signature)	1-12-22	10:20	

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

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

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

## Envirotech Analytical Laboratory

Printed: 1/12/2022 5:54:30PM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Tap Rock	Date Received:	01/12/22 10:20	Work Order ID:	E201032
Phone:	(575) 390-6397	Date Logged In:	01/11/22 16:36	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	01/12/22 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: UPSComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

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

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Per Client request sample points are to be reported first.  
Sample SP4-9 on coc was labeled as SP4-8 on sample.

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

Date



envirotech Inc.

Report to:  
Natalie Gladden



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Tap Rock

Project Name: Jackson 6

Work Order: E201050

Job Number: 20046-0001

Received: 1/14/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
1/21/22

5796 U.S. Hwy 64  
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.  
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)



Date Reported: 1/21/22

Natalie Gladden  
7 W. Compress Road  
Artesia, NM 88210



Project Name: Jackson 6  
Workorder: E201050  
Date Received: 1/14/2022 1:16:00PM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/14/2022 1:16:00PM, under the Project Name: Jackson 6.

The analytical test results summarized in this report with the Project Name: Jackson 6 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto: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  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

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

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

Tap Rock	Project Name:	Jackson 6	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	01/21/22 15:47

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Composition 8	E201050-01A	Soil	01/10/22	01/14/22	Glass Jar, 4 oz.
Composition 9	E201050-02A	Soil	01/10/22	01/14/22	Glass Jar, 4 oz.
Composition 10	E201050-03A	Soil	01/10/22	01/14/22	Glass Jar, 4 oz.
Composition 11	E201050-04A	Soil	01/10/22	01/14/22	Glass Jar, 4 oz.
Composition 12	E201050-05A	Soil	01/11/22	01/14/22	Glass Jar, 4 oz.
Composition 13	E201050-06A	Soil	01/11/22	01/14/22	Glass Jar, 4 oz.
Composition 14	E201050-07A	Soil	01/11/22	01/14/22	Glass Jar, 4 oz.
Composition 15	E201050-08A	Soil	01/11/22	01/14/22	Glass Jar, 4 oz.
Composition 16	E201050-09A	Soil	01/11/22	01/14/22	Glass Jar, 4 oz.
Composition 17	E201050-10A	Soil	01/12/22	01/14/22	Glass Jar, 4 oz.
Composition 18	E201050-11A	Soil	01/11/22	01/14/22	Glass Jar, 4 oz.



## Sample Data

Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Jackson 6 Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 1/21/2022 3:47:48PM
---	---	---

### Composition 8

#### E201050-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2203030	
Benzene	ND	0.0250	1	01/14/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/14/22	01/19/22	
Toluene	ND	0.0250	1	01/14/22	01/19/22	
o-Xylene	ND	0.0250	1	01/14/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/14/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/14/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.9 %	70-130		01/14/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2203030	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	104 %	70-130		01/14/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KL		Batch: 2204010	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/22	01/19/22	
<i>Surrogate: n-Nonane</i>	114 %	50-200		01/17/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2204006	
Chloride	263	20.0	1	01/17/22	01/17/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/21/2022 3:47:48PM

## Composition 9

## E201050-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203030
Benzene	ND	0.0250	1	01/14/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/14/22	01/19/22	
Toluene	ND	0.0250	1	01/14/22	01/19/22	
o-Xylene	ND	0.0250	1	01/14/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/14/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/14/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.6 %	70-130		01/14/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	101 %	70-130		01/14/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2204010
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/22	01/19/22	
<i>Surrogate: n-Nonane</i>						
	132 %	50-200		01/17/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2204006
Chloride	210	20.0	1	01/17/22	01/17/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/21/2022 3:47:48PM

## Composition 10

E201050-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2203030	
Benzene	ND	0.0250	1	01/14/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/14/22	01/19/22	
Toluene	ND	0.0250	1	01/14/22	01/19/22	
o-Xylene	ND	0.0250	1	01/14/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/14/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/14/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.8 %	70-130		01/14/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2203030	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	102 %	70-130		01/14/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KL		Batch: 2204010	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/22	01/19/22	
<i>Surrogate: n-Nonane</i>	120 %	50-200		01/17/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2204006	
Chloride	193	20.0	1	01/17/22	01/17/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/21/2022 3:47:48PM

## Composition 11

## E201050-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2203030	
Benzene	ND	0.0250	1	01/14/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/14/22	01/19/22	
Toluene	ND	0.0250	1	01/14/22	01/19/22	
o-Xylene	ND	0.0250	1	01/14/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/14/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/14/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.4 %	70-130		01/14/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2203030	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	102 %	70-130		01/14/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KL		Batch: 2204010	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/22	01/19/22	
<i>Surrogate: n-Nonane</i>	131 %	50-200		01/17/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2204006	
Chloride	163	20.0	1	01/17/22	01/17/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/21/2022 3:47:48PM

## Composition 12

E201050-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2203030
Benzene	ND	0.0250	1	01/14/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/14/22	01/19/22	
Toluene	ND	0.0250	1	01/14/22	01/19/22	
o-Xylene	ND	0.0250	1	01/14/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/14/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/14/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.8 %	70-130	01/14/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2203030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		102 %	70-130	01/14/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: KL		Batch: 2204010
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/22	01/19/22	
<i>Surrogate: n-Nonane</i>		121 %	50-200	01/17/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: RAS		Batch: 2204006
Chloride	410	20.0	1	01/17/22	01/17/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/21/2022 3:47:48PM

## Composition 13

## E201050-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203030
Benzene	ND	0.0250	1	01/14/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/14/22	01/19/22	
Toluene	ND	0.0250	1	01/14/22	01/19/22	
o-Xylene	ND	0.0250	1	01/14/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/14/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/14/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.1 %	70-130		01/14/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	100 %	70-130		01/14/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2204010
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/22	01/19/22	
<i>Surrogate: n-Nonane</i>						
	117 %	50-200		01/17/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2204006
Chloride	65.8	20.0	1	01/17/22	01/17/22	





## Sample Data

Tap Rock	Project Name:	Jackson 6	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/21/2022 3:47:48PM

## Composition 14

## E201050-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2203030	
Benzene	ND	0.0250	1	01/14/22	01/21/22	
Ethylbenzene	ND	0.0250	1	01/14/22	01/21/22	
Toluene	ND	0.0250	1	01/14/22	01/21/22	
o-Xylene	ND	0.0250	1	01/14/22	01/21/22	
p,m-Xylene	ND	0.0500	1	01/14/22	01/21/22	
Total Xylenes	ND	0.0250	1	01/14/22	01/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>94.6 %</i>	<i>70-130</i>		<i>01/14/22</i>	<i>01/21/22</i>	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2203030	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/22	01/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>103 %</i>	<i>70-130</i>		<i>01/14/22</i>	<i>01/21/22</i>	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KL		Batch: 2204010	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/22	01/19/22	
<i>Surrogate: n-Nonane</i>	<i>133 %</i>	<i>50-200</i>		<i>01/17/22</i>	<i>01/19/22</i>	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2204006	
Chloride	160	20.0	1	01/17/22	01/17/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/21/2022 3:47:48PM

## Composition 15

E201050-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203030
Benzene	ND	0.0250	1	01/14/22	01/21/22	
Ethylbenzene	ND	0.0250	1	01/14/22	01/21/22	
Toluene	ND	0.0250	1	01/14/22	01/21/22	
o-Xylene	ND	0.0250	1	01/14/22	01/21/22	
p,m-Xylene	ND	0.0500	1	01/14/22	01/21/22	
Total Xylenes	ND	0.0250	1	01/14/22	01/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.5 %	70-130		01/14/22	01/21/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/22	01/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		01/14/22	01/21/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2204010
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/22	01/19/22	
<i>Surrogate: n-Nonane</i>						
	124 %	50-200		01/17/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2204006
Chloride	64.7	20.0	1	01/17/22	01/18/22	



## Sample Data

Tap Rock	Project Name:	Jackson 6	<b>Reported:</b> 1/21/2022 3:47:48PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

## Composition 16

E201050-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2203030	
Benzene	ND	0.0250	1	01/14/22	01/21/22	
Ethylbenzene	ND	0.0250	1	01/14/22	01/21/22	
Toluene	ND	0.0250	1	01/14/22	01/21/22	
o-Xylene	ND	0.0250	1	01/14/22	01/21/22	
p,m-Xylene	ND	0.0500	1	01/14/22	01/21/22	
Total Xylenes	ND	0.0250	1	01/14/22	01/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	95.0 %	70-130		01/14/22	01/21/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2203030	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/22	01/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	104 %	70-130		01/14/22	01/21/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KL		Batch: 2204010	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/22	01/19/22	
<i>Surrogate: n-Nonane</i>	117 %	50-200		01/17/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2204006	
Chloride	187	20.0	1	01/17/22	01/18/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/21/2022 3:47:48PM

## Composition 17

## E201050-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203030
Benzene	ND	0.0250	1	01/14/22	01/21/22	
Ethylbenzene	ND	0.0250	1	01/14/22	01/21/22	
Toluene	ND	0.0250	1	01/14/22	01/21/22	
o-Xylene	ND	0.0250	1	01/14/22	01/21/22	
p,m-Xylene	ND	0.0500	1	01/14/22	01/21/22	
Total Xylenes	ND	0.0250	1	01/14/22	01/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.6 %	70-130		01/14/22	01/21/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/22	01/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.1 %	70-130		01/14/22	01/21/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2204010
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/22	01/19/22	
<i>Surrogate: n-Nonane</i>						
	122 %	50-200		01/17/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2204006
Chloride	221	20.0	1	01/17/22	01/18/22	



## Sample Data

Tap Rock	Project Name:	Jackson 6	<b>Reported:</b> 1/21/2022 3:47:48PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

## Composition 18

## E201050-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2203030	
Benzene	ND	0.0250	1	01/14/22	01/21/22	
Ethylbenzene	ND	0.0250	1	01/14/22	01/21/22	
Toluene	ND	0.0250	1	01/14/22	01/21/22	
o-Xylene	ND	0.0250	1	01/14/22	01/21/22	
p,m-Xylene	ND	0.0500	1	01/14/22	01/21/22	
Total Xylenes	ND	0.0250	1	01/14/22	01/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>91.1 %</i>	<i>70-130</i>		<i>01/14/22</i>	<i>01/21/22</i>	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2203030	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/22	01/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>97.3 %</i>	<i>70-130</i>		<i>01/14/22</i>	<i>01/21/22</i>	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KL		Batch: 2204010	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/22	01/19/22	
<i>Surrogate: n-Nonane</i>	<i>97.1 %</i>	<i>50-200</i>		<i>01/17/22</i>	<i>01/19/22</i>	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2204006	
Chloride	265	20.0	1	01/17/22	01/18/22	



## QC Summary Data

Tap Rock	Project Name:	Jackson 6	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/21/2022 3:47:48PM

## Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2203030-BLK1)

Prepared: 01/14/22 Analyzed: 01/19/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.6	70-130			

## LCS (2203030-BS1)

Prepared: 01/14/22 Analyzed: 01/19/22

Benzene	4.66	0.0250	5.00		93.2	70-130			
Ethylbenzene	4.91	0.0250	5.00		98.1	70-130			
Toluene	5.06	0.0250	5.00		101	70-130			
o-Xylene	4.84	0.0250	5.00		96.8	70-130			
p,m-Xylene	9.96	0.0500	10.0		99.6	70-130			
Total Xylenes	14.8	0.0250	15.0		98.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.72		8.00		96.4	70-130			

## Matrix Spike (2203030-MS1)

Source: E201050-03

Prepared: 01/14/22 Analyzed: 01/19/22

Benzene	4.68	0.0250	5.00	ND	93.6	54-133			
Ethylbenzene	4.96	0.0250	5.00	ND	99.2	61-133			
Toluene	5.09	0.0250	5.00	ND	102	61-130			
o-Xylene	4.91	0.0250	5.00	ND	98.2	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	7.92		8.00		99.0	70-130			

## Matrix Spike Dup (2203030-MSD1)

Source: E201050-03

Prepared: 01/14/22 Analyzed: 01/19/22

Benzene	4.68	0.0250	5.00	ND	93.6	54-133	0.0331	20	
Ethylbenzene	4.93	0.0250	5.00	ND	98.6	61-133	0.618	20	
Toluene	5.07	0.0250	5.00	ND	101	61-130	0.439	20	
o-Xylene	4.87	0.0250	5.00	ND	97.4	63-131	0.784	20	
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131	0.685	20	
Total Xylenes	14.9	0.0250	15.0	ND	99.2	63-131	0.717	20	
Surrogate: 4-Bromochlorobenzene-PID	7.80		8.00		97.5	70-130			



## QC Summary Data

Tap Rock	Project Name:	Jackson 6	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/21/2022 3:47:48PM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2203030-BLK1)

Prepared: 01/14/22 Analyzed: 01/19/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.23		8.00		103	70-130			

## LCS (2203030-BS2)

Prepared: 01/14/22 Analyzed: 01/19/22

Gasoline Range Organics (C6-C10)	51.8	20.0	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.50		8.00		106	70-130			

## Matrix Spike (2203030-MS2)

Source: E201050-03

Prepared: 01/14/22 Analyzed: 01/19/22

Gasoline Range Organics (C6-C10)	52.6	20.0	50.0	ND	105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.25		8.00		103	70-130			

## Matrix Spike Dup (2203030-MSD2)

Source: E201050-03

Prepared: 01/14/22 Analyzed: 01/19/22

Gasoline Range Organics (C6-C10)	51.9	20.0	50.0	ND	104	70-130	1.41	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.30		8.00		104	70-130			





## QC Summary Data

Tap Rock	Project Name:	Jackson 6	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/21/2022 3:47:48PM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2204010-BLK1)

Prepared: 01/17/22 Analyzed: 01/18/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.9		50.0		114	50-200			

## LCS (2204010-BS1)

Prepared: 01/17/22 Analyzed: 01/18/22

Diesel Range Organics (C10-C28)	589	25.0	500		118	38-132			
Surrogate: n-Nonane	57.8		50.0		116	50-200			

## Matrix Spike (2204010-MS1)

Source: E201050-03

Prepared: 01/17/22 Analyzed: 01/18/22

Diesel Range Organics (C10-C28)	637	25.0	500	ND	127	38-132			
Surrogate: n-Nonane	64.9		50.0		130	50-200			

## Matrix Spike Dup (2204010-MSD1)

Source: E201050-03

Prepared: 01/17/22 Analyzed: 01/18/22

Diesel Range Organics (C10-C28)	566	25.0	500	ND	113	38-132	11.7	20	
Surrogate: n-Nonane	58.4		50.0		117	50-200			



## QC Summary Data

Tap Rock	Project Name:	Jackson 6	<b>Reported:</b>
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/21/2022 3:47:48PM

## Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2204006-BLK1)

Prepared: 01/17/22 Analyzed: 01/17/22

Chloride ND 20.0

## LCS (2204006-BS1)

Prepared: 01/17/22 Analyzed: 01/17/22

Chloride 267 20.0 250 107 90-110

## Matrix Spike (2204006-MS1)

Source: E201033-02

Prepared: 01/17/22 Analyzed: 01/17/22

Chloride 4700 40.0 250 4170 209 80-120 M2

## Matrix Spike Dup (2204006-MSD1)

Source: E201033-02

Prepared: 01/17/22 Analyzed: 01/17/22

Chloride 4890 40.0 250 4170 285 80-120 3.98 20 M2

## QC Summary Report Comment:

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



## Definitions and Notes

Tap Rock	Project Name:	Jackson 6	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	01/21/22 15:47

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

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



## Project Information

## Chain of Custody

Page 1 of 2

20046-0001 03/14/22

Client: <u>TAP ROCK</u>	Bill To	Lab Use Only	TAT	EPA Program
Project: <u>JACKSON 6</u>	Attention: <u>ESS</u>	Lab WO# <u>E201050</u>	Job Number <u>2005-0002</u>	CWA
Project Manager:	Address: <u>2427 W COUNTY RD</u>			SDWA
Address:	City, State, Zip: <u>HOBBS NM 88240</u>			RCRA
City, State, Zip	Phone: <u>(575) 390-6397</u>			
Phone:	Email: <u>NATALIE GLADEN</u>			
Email:				
Report due by:				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	Remarks
2:55	1-10	S	1	COMPOSITION 8	1							X		
8:30	1-10			COMPOSITION 9	2									
8:46	1-10			COMPOSITION 10	3									
9:06	1-10			COMPOSITION 11	4									
10:16	1-11			COMPOSITION 12	5									
10:25	1-11			COMPOSITION 13	6									
10:40	1-11			COMPOSITION 14	7									
11:05	1-11			COMPOSITION 15	8									
1:30	1-11			COMPOSITION 16	9									
2:20	1-11			COMPOSITION 17	10									

## Additional Instructions:

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

Sampled by: MARC RIVERA JR

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
	1-13-22	3:05		1-13-22	1505	Received on ice: <input checked="" type="checkbox"/> N
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 _____ T2 _____ T3 _____
	1-13-22	1600		1/14/22	13:16	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	AVG Temp °C <u>4</u>

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

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

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.





**envirotech**

## Envirotech Analytical Laboratory

Printed: 1/17/2022 5:01:48PM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Tap Rock	Date Received:	01/14/22 13:16	Work Order ID:	E201050
Phone:	(575) 390-6397	Date Logged In:	01/13/22 15:38	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	01/21/22 17:00 (5 day TAT)		

Chain of Custody (COC)

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

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

Carrier: UPSComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

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

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:  
Natalie Gladden



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Tap Rock

Project Name: Jackson 6

Work Order: E201051

Job Number: 20046-0001

Received: 1/14/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
1/21/22

5796 U.S. Hwy 64  
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.  
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)



Date Reported: 1/21/22

Natalie Gladden  
7 W. Compress Road  
Artesia, NM 88210



Project Name: Jackson 6  
Workorder: E201051  
Date Received: 1/14/2022 1:16:00PM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/14/2022 1:16:00PM, under the Project Name: Jackson 6.

The analytical test results summarized in this report with the Project Name: Jackson 6 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
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**Alexa Michaels**  
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Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

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

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Chain of Custody etc.

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## Sample Summary

Tap Rock	Project Name:	Jackson 6	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	01/21/22 15:37

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Composite 19	E201051-01A	Soil	01/12/22	01/14/22	Glass Jar, 4 oz.
Composite 20	E201051-02A	Soil	01/12/22	01/14/22	Glass Jar, 4 oz.
Composite 21	E201051-03A	Soil	01/12/22	01/14/22	Glass Jar, 4 oz.
Composite 22	E201051-04A	Soil	01/12/22	01/14/22	Glass Jar, 4 oz.
Composite 23	E201051-05A	Soil	01/12/22	01/14/22	Glass Jar, 4 oz.
Composite 24	E201051-06A	Soil	01/12/22	01/14/22	Glass Jar, 4 oz.
Composite 25	E201051-07A	Soil	01/12/22	01/14/22	Glass Jar, 4 oz.
Composite 26	E201051-08A	Soil	01/12/22	01/14/22	Glass Jar, 4 oz.
Composite 27	E201051-09A	Soil	01/12/22	01/14/22	Glass Jar, 4 oz.
Composite 28	E201051-10A	Soil	01/12/22	01/14/22	Glass Jar, 4 oz.
Composite 29	E201051-11A	Soil	01/12/22	01/14/22	Glass Jar, 4 oz.
Composite 30	E201051-12A	Soil	01/12/22	01/14/22	Glass Jar, 4 oz.
Composite 31	E201051-13A	Soil	01/12/22	01/14/22	Glass Jar, 4 oz.
Composite 32	E201051-14A	Soil	01/12/22	01/14/22	Glass Jar, 4 oz.



## Sample Data

Tap Rock	Project Name:	Jackson 6	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/21/2022 3:37:06PM

## Composite 19

## E201051-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2204001
Benzene	ND	0.0250	1	01/17/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/17/22	01/19/22	
Toluene	ND	0.0250	1	01/17/22	01/19/22	
o-Xylene	ND	0.0250	1	01/17/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/17/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/17/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.8 %	70-130		01/17/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2204001
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	104 %	70-130		01/17/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2204011
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/22	01/19/22	
<i>Surrogate: n-Nonane</i>	117 %	50-200		01/17/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2204012
Chloride	373	20.0	1	01/17/22	01/17/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/21/2022 3:37:06PM

## Composite 20

## E201051-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2204001
Benzene	ND	0.0250	1	01/17/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/17/22	01/19/22	
Toluene	ND	0.0250	1	01/17/22	01/19/22	
o-Xylene	ND	0.0250	1	01/17/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/17/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/17/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.0 %	70-130	01/17/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2204001
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		102 %	70-130	01/17/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: JL		Batch: 2204011
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/22	01/19/22	
<i>Surrogate: n-Nonane</i>		120 %	50-200	01/17/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: RAS		Batch: 2204012
Chloride	331	20.0	1	01/17/22	01/17/22	



## Sample Data

Tap Rock	Project Name:	Jackson 6	<b>Reported:</b> 1/21/2022 3:37:06PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

## Composite 21

## E201051-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2204001	
Benzene	ND	0.0250	1	01/17/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/17/22	01/19/22	
Toluene	ND	0.0250	1	01/17/22	01/19/22	
o-Xylene	ND	0.0250	1	01/17/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/17/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/17/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.1 %	70-130		01/17/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2204001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	102 %	70-130		01/17/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2204011	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/22	01/19/22	
<i>Surrogate: n-Nonane</i>	133 %	50-200		01/17/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2204012	
Chloride	354	20.0	1	01/17/22	01/17/22	





## Sample Data

Tap Rock	Project Name:	Jackson 6	<b>Reported:</b> 1/21/2022 3:37:06PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

## Composite 22

## E201051-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2204001	
Benzene	ND	0.0250	1	01/17/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/17/22	01/19/22	
Toluene	ND	0.0250	1	01/17/22	01/19/22	
o-Xylene	ND	0.0250	1	01/17/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/17/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/17/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.9 %	70-130		01/17/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2204001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	101 %	70-130		01/17/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2204011	
Diesel Range Organics (C10-C28)	31.1	25.0	1	01/17/22	01/19/22	
Oil Range Organics (C28-C36)	55.5	50.0	1	01/17/22	01/19/22	
<i>Surrogate: n-Nonane</i>	124 %	50-200		01/17/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2204012	
Chloride	602	20.0	1	01/17/22	01/17/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/21/2022 3:37:06PM

## Composite 23

E201051-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2204001
Benzene	ND	0.0250	1	01/17/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/17/22	01/19/22	
Toluene	ND	0.0250	1	01/17/22	01/19/22	
o-Xylene	ND	0.0250	1	01/17/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/17/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/17/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.0 %	70-130	01/17/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2204001
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	01/17/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: JL		Batch: 2204011
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/22	01/19/22	
<i>Surrogate: n-Nonane</i>		123 %	50-200	01/17/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: RAS		Batch: 2204012
Chloride	151	20.0	1	01/17/22	01/17/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/21/2022 3:37:06PM

## Composite 24

E201051-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2204001
Benzene	ND	0.0250	1	01/17/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/17/22	01/19/22	
Toluene	ND	0.0250	1	01/17/22	01/19/22	
o-Xylene	ND	0.0250	1	01/17/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/17/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/17/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.2 %	70-130	01/17/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2204001
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		102 %	70-130	01/17/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: JL		Batch: 2204011
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/22	01/19/22	
<i>Surrogate: n-Nonane</i>		138 %	50-200	01/17/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: RAS		Batch: 2204012
Chloride	308	20.0	1	01/17/22	01/17/22	



## Sample Data

Tap Rock	Project Name:	Jackson 6	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/21/2022 3:37:06PM

## Composite 25

E201051-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2204001
Benzene	ND	0.0250	1	01/17/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/17/22	01/19/22	
Toluene	ND	0.0250	1	01/17/22	01/19/22	
o-Xylene	ND	0.0250	1	01/17/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/17/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/17/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.4 %	70-130	01/17/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2204001
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	01/17/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2204011
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/22	01/19/22	
<i>Surrogate: n-Nonane</i>		125 %	50-200	01/17/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2204012
Chloride	152	20.0	1	01/17/22	01/17/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/21/2022 3:37:06PM

## Composite 26

E201051-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2204001
Benzene	ND	0.0250	1	01/17/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/17/22	01/19/22	
Toluene	ND	0.0250	1	01/17/22	01/19/22	
o-Xylene	ND	0.0250	1	01/17/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/17/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/17/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.0 %	70-130		01/17/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2204001
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	102 %	70-130		01/17/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2204011
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/22	01/19/22	
Oil Range Organics (C28-C36)	84.1	50.0	1	01/18/22	01/19/22	
<i>Surrogate: n-Nonane</i>						
	168 %	50-200		01/18/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2204012
Chloride	479	20.0	1	01/17/22	01/17/22	



## Sample Data

Tap Rock	Project Name:	Jackson 6	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/21/2022 3:37:06PM

## Composite 27

## E201051-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2204001	
Benzene	ND	0.0250	1	01/17/22	01/20/22	
Ethylbenzene	ND	0.0250	1	01/17/22	01/20/22	
Toluene	ND	0.0250	1	01/17/22	01/20/22	
o-Xylene	ND	0.0250	1	01/17/22	01/20/22	
p,m-Xylene	ND	0.0500	1	01/17/22	01/20/22	
Total Xylenes	ND	0.0250	1	01/17/22	01/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.4 %	70-130		01/17/22	01/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2204001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/22	01/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	102 %	70-130		01/17/22	01/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2204011	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/22	01/19/22	
Oil Range Organics (C28-C36)	64.8	50.0	1	01/17/22	01/19/22	
<i>Surrogate: n-Nonane</i>	173 %	50-200		01/17/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2204012	
Chloride	286	20.0	1	01/17/22	01/17/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/21/2022 3:37:06PM

## Composite 28

## E201051-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2204001
Benzene	ND	0.0250	1	01/17/22	01/20/22	
Ethylbenzene	ND	0.0250	1	01/17/22	01/20/22	
Toluene	ND	0.0250	1	01/17/22	01/20/22	
o-Xylene	ND	0.0250	1	01/17/22	01/20/22	
p,m-Xylene	ND	0.0500	1	01/17/22	01/20/22	
Total Xylenes	ND	0.0250	1	01/17/22	01/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.2 %	70-130		01/17/22	01/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2204001
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/22	01/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	102 %	70-130		01/17/22	01/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2204011
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/22	01/19/22	
<i>Surrogate: n-Nonane</i>						
	145 %	50-200		01/17/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2204012
Chloride	160	20.0	1	01/17/22	01/17/22	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/21/2022 3:37:06PM

## Composite 29

## E201051-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2204001
Benzene	ND	0.0250	1	01/17/22	01/20/22	
Ethylbenzene	ND	0.0250	1	01/17/22	01/20/22	
Toluene	ND	0.0250	1	01/17/22	01/20/22	
o-Xylene	ND	0.0250	1	01/17/22	01/20/22	
p,m-Xylene	ND	0.0500	1	01/17/22	01/20/22	
Total Xylenes	ND	0.0250	1	01/17/22	01/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.6 %	70-130	01/17/22	01/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2204001
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/22	01/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	01/17/22	01/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: JL		Batch: 2204011
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/22	01/19/22	
<i>Surrogate: n-Nonane</i>		161 %	50-200	01/17/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: RAS		Batch: 2204012
Chloride	98.4	20.0	1	01/17/22	01/18/22	



## Sample Data

Tap Rock	Project Name:	Jackson 6	<b>Reported:</b> 1/21/2022 3:37:06PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

## Composite 30

## E201051-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2204001	
Benzene	ND	0.0250	1	01/17/22	01/20/22	
Ethylbenzene	ND	0.0250	1	01/17/22	01/20/22	
Toluene	ND	0.0250	1	01/17/22	01/20/22	
o-Xylene	ND	0.0250	1	01/17/22	01/20/22	
p,m-Xylene	ND	0.0500	1	01/17/22	01/20/22	
Total Xylenes	ND	0.0250	1	01/17/22	01/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.2 %	70-130		01/17/22	01/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2204001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/22	01/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	103 %	70-130		01/17/22	01/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2204011	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/22	01/19/22	
Oil Range Organics (C28-C36)	57.7	50.0	1	01/17/22	01/19/22	
<i>Surrogate: n-Nonane</i>	148 %	50-200		01/17/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2204012	
Chloride	182	20.0	1	01/17/22	01/18/22	



## Sample Data

Tap Rock	Project Name:	Jackson 6	<b>Reported:</b> 1/21/2022 3:37:06PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

## Composite 31

## E201051-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2204001	
Benzene	ND	0.0500	2	01/17/22	01/20/22	
Ethylbenzene	ND	0.0500	2	01/17/22	01/20/22	
Toluene	ND	0.0500	2	01/17/22	01/20/22	
o-Xylene	ND	0.0500	2	01/17/22	01/20/22	
p,m-Xylene	ND	0.100	2	01/17/22	01/20/22	
Total Xylenes	ND	0.0500	2	01/17/22	01/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.2 %	70-130		01/17/22	01/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2204001	
Gasoline Range Organics (C6-C10)	ND	40.0	2	01/17/22	01/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	103 %	70-130		01/17/22	01/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2204011	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/22	01/19/22	
Oil Range Organics (C28-C36)	56.8	50.0	1	01/17/22	01/19/22	
<i>Surrogate: n-Nonane</i>	169 %	50-200		01/17/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2204012	
Chloride	321	40.0	2	01/17/22	01/18/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/21/2022 3:37:06PM

## Composite 32

## E201051-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2204001
Benzene	ND	0.0250	1	01/17/22	01/20/22	
Ethylbenzene	ND	0.0250	1	01/17/22	01/20/22	
Toluene	ND	0.0250	1	01/17/22	01/20/22	
o-Xylene	ND	0.0250	1	01/17/22	01/20/22	
p,m-Xylene	ND	0.0500	1	01/17/22	01/20/22	
Total Xylenes	ND	0.0250	1	01/17/22	01/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.8 %	70-130	01/17/22	01/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2204001
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/22	01/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		102 %	70-130	01/17/22	01/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: JL		Batch: 2204011
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/22	01/19/22	
Oil Range Organics (C28-C36)	64.4	50.0	1	01/17/22	01/19/22	
<i>Surrogate: n-Nonane</i>		174 %	50-200	01/17/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: RAS		Batch: 2204012
Chloride	174	20.0	1	01/17/22	01/18/22	



## QC Summary Data

Tap Rock	Project Name:	Jackson 6	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/21/2022 3:37:06PM

## Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2204001-BLK1)

Prepared: 01/17/22 Analyzed: 01/19/22

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	7.83		8.00		97.9	70-130			

## LCS (2204001-BS1)

Prepared: 01/17/22 Analyzed: 01/19/22

Benzene	4.14	0.0250	5.00		82.8	70-130			
Ethylbenzene	4.40	0.0250	5.00		87.9	70-130			
Toluene	4.52	0.0250	5.00		90.4	70-130			
o-Xylene	4.38	0.0250	5.00		87.5	70-130			
p,m-Xylene	8.96	0.0500	10.0		89.6	70-130			
Total Xylenes	13.3	0.0250	15.0		88.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.97		8.00		99.6	70-130			

## Matrix Spike (2204001-MS1)

Source: E201051-01

Prepared: 01/17/22 Analyzed: 01/19/22

Benzene	4.30	0.0250	5.00	ND	85.9	54-133			
Ethylbenzene	4.58	0.0250	5.00	ND	91.5	61-133			
Toluene	4.69	0.0250	5.00	ND	93.8	61-130			
o-Xylene	4.54	0.0250	5.00	ND	90.8	63-131			
p,m-Xylene	9.32	0.0500	10.0	ND	93.2	63-131			
Total Xylenes	13.9	0.0250	15.0	ND	92.4	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.00		8.00		100	70-130			

## Matrix Spike Dup (2204001-MSD1)

Source: E201051-01

Prepared: 01/17/22 Analyzed: 01/19/22

Benzene	4.74	0.0250	5.00	ND	94.7	54-133	9.76	20	
Ethylbenzene	5.06	0.0250	5.00	ND	101	61-133	10.1	20	
Toluene	5.20	0.0250	5.00	ND	104	61-130	10.3	20	
o-Xylene	5.01	0.0250	5.00	ND	100	63-131	9.87	20	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	9.75	20	
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131	9.79	20	
Surrogate: 4-Bromochlorobenzene-PID	8.04		8.00		100	70-130			



## QC Summary Data

Tap Rock	Project Name:	Jackson 6	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/21/2022 3:37:06PM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2204001-BLK1)

Prepared: 01/17/22 Analyzed: 01/19/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.33		8.00		104	70-130			

## LCS (2204001-BS2)

Prepared: 01/17/22 Analyzed: 01/19/22

Gasoline Range Organics (C6-C10)	43.1	20.0	50.0		86.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.25		8.00		103	70-130			

## Matrix Spike (2204001-MS2)

Source: E201051-01

Prepared: 01/17/22 Analyzed: 01/19/22

Gasoline Range Organics (C6-C10)	47.6	20.0	50.0	ND	95.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.22		8.00		103	70-130			

## Matrix Spike Dup (2204001-MSD2)

Source: E201051-01

Prepared: 01/17/22 Analyzed: 01/19/22

Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.3	70-130	1.98	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.21		8.00		103	70-130			



## QC Summary Data

Tap Rock	Project Name:	Jackson 6	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/21/2022 3:37:06PM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2204011-BLK1)

Prepared: 01/17/22 Analyzed: 01/19/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	69.4		50.0		139	50-200			

## LCS (2204011-BS1)

Prepared: 01/17/22 Analyzed: 01/20/22

Diesel Range Organics (C10-C28)	437	25.0	500		87.4	38-132			
Surrogate: n-Nonane	53.6		50.0		107	50-200			

## Matrix Spike (2204011-MS1)

Source: E201051-03

Prepared: 01/17/22 Analyzed: 01/20/22

Diesel Range Organics (C10-C28)	501	25.0	500	ND	100	38-132			
Surrogate: n-Nonane	56.7		50.0		113	50-200			

## Matrix Spike Dup (2204011-MSD1)

Source: E201051-03

Prepared: 01/17/22 Analyzed: 01/20/22

Diesel Range Organics (C10-C28)	529	25.0	500	ND	106	38-132	5.31	20	
Surrogate: n-Nonane	67.2		50.0		134	50-200			





## QC Summary Data

Tap Rock	Project Name:	Jackson 6	<b>Reported:</b>
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/21/2022 3:37:06PM

## Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2204012-BLK1)

Prepared: 01/17/22 Analyzed: 01/17/22

Chloride ND 20.0

## LCS (2204012-BS1)

Prepared: 01/17/22 Analyzed: 01/18/22

Chloride 250 20.0 250 99.8 90-110

## Matrix Spike (2204012-MS1)

Source: E201051-01

Prepared: 01/17/22 Analyzed: 01/17/22

Chloride 627 20.0 250 373 102 80-120

## Matrix Spike Dup (2204012-MSD1)

Source: E201051-01

Prepared: 01/17/22 Analyzed: 01/17/22

Chloride 630 20.0 250 373 103 80-120 0.441 20

## QC Summary Report Comment:

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



Definitions and Notes

Tap Rock	Project Name:	Jackson 6	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	01/21/22 15:37

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

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

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









## Envirotech Analytical Laboratory

Printed: 1/17/2022 4:24:32PM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Tap Rock	Date Received:	01/14/22 13:16	Work Order ID:	E201051
Phone:	(575) 390-6397	Date Logged In:	01/13/22 16:06	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	01/20/22 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: UPSComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

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

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? No
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 

Sample ID?	Yes
Date/Time Collected?	No
Collectors name?	No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:  
Natalie Gladden



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Tap Rock

Project Name: Jackson 6

Work Order: E201069

Job Number: 20046-0001

Received: 1/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
1/21/22

5796 U.S. Hwy 64  
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.  
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 1/21/22

Natalie Gladden  
7 W. Compress Road  
Artesia, NM 88210



Project Name: Jackson 6  
Workorder: E201069  
Date Received: 1/18/2022 8:15:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/18/2022 8:15:00AM, under the Project Name: Jackson 6.

The analytical test results summarized in this report with the Project Name: Jackson 6 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



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## Sample Summary

Tap Rock	Project Name:	Jackson 6	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	01/21/22 14:29

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Composite 33	E201069-01A	Soil	01/13/22	01/18/22	Glass Jar, 4 oz.
Composite 34	E201069-02A	Soil	01/13/22	01/18/22	Glass Jar, 4 oz.
Composite 35	E201069-03A	Soil	01/13/22	01/18/22	Glass Jar, 4 oz.
Composite 36	E201069-04A	Solid	01/13/22	01/18/22	Glass Jar, 4 oz.
Composite 37	E201069-05A	Soil	01/13/22	01/18/22	Glass Jar, 4 oz.
Composite 38	E201069-06A	Soil	01/13/22	01/18/22	Glass Jar, 4 oz.
Composite 39	E201069-07A	Soil	01/13/22	01/18/22	Glass Jar, 4 oz.
Composite 40	E201069-08A	Soil	01/13/22	01/18/22	Glass Jar, 4 oz.
Composite 41	E201069-09A	Soil	01/13/22	01/18/22	Glass Jar, 4 oz.
Composite 42	E201069-10A	Soil	01/13/22	01/18/22	Glass Jar, 4 oz.
Composite 43	E201069-11A	Soil	01/13/22	01/18/22	Glass Jar, 4 oz.
Composite 44	E201069-12A	Soil	01/13/22	01/18/22	Glass Jar, 4 oz.
Composite 45	E201069-13A	Soil	01/13/22	01/18/22	Glass Jar, 4 oz.
Composite 46	E201069-14A	Soil	01/13/22	01/18/22	Glass Jar, 4 oz.
Composite 47	E201069-15A	Soil	01/13/22	01/18/22	Glass Jar, 4 oz.
Composite 48	E201069-16A	Soil	01/13/22	01/18/22	Glass Jar, 4 oz.
Composite 49	E201069-17A	Soil	01/13/22	01/18/22	Glass Jar, 4 oz.



## Sample Data

Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Jackson 6 Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 1/21/2022 2:29:36PM
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### Composite 33

E201069-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2204021	
Benzene	ND	0.0500	2	01/18/22	01/19/22	
Ethylbenzene	ND	0.0500	2	01/18/22	01/19/22	
Toluene	ND	0.0500	2	01/18/22	01/19/22	
o-Xylene	ND	0.0500	2	01/18/22	01/19/22	
p,m-Xylene	ND	0.100	2	01/18/22	01/19/22	
Total Xylenes	ND	0.0500	2	01/18/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.4 %	70-130		01/18/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2204021	
Gasoline Range Organics (C6-C10)	ND	40.0	2	01/18/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	99.1 %	70-130		01/18/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2204024	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/22	01/19/22	
<i>Surrogate: n-Nonane</i>	116 %	50-200		01/18/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2204017	
Chloride	267	20.0	1	01/18/22	01/18/22	



## Sample Data

Tap Rock	Project Name:	Jackson 6	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/21/2022 2:29:36PM

## Composite 34

E201069-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2204021	
Benzene	ND	0.0250	1	01/18/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/18/22	01/19/22	
Toluene	ND	0.0250	1	01/18/22	01/19/22	
o-Xylene	ND	0.0250	1	01/18/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/18/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/18/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	93.5 %	70-130		01/18/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2204021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	98.4 %	70-130		01/18/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2204024	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/22	01/19/22	
<i>Surrogate: n-Nonane</i>	122 %	50-200		01/18/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2204017	
Chloride	176	40.0	2	01/18/22	01/18/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/21/2022 2:29:36PM

## Composite 35

E201069-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2204021
Benzene	ND	0.0250	1	01/18/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/18/22	01/19/22	
Toluene	ND	0.0250	1	01/18/22	01/19/22	
o-Xylene	ND	0.0250	1	01/18/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/18/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/18/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.1 %	70-130		01/18/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2204021
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.4 %	70-130		01/18/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2204024
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/22	01/19/22	
<i>Surrogate: n-Nonane</i>						
	87.6 %	50-200		01/18/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2204017
Chloride	385	20.0	1	01/18/22	01/18/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/21/2022 2:29:36PM

## Composite 36

E201069-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2204021
Benzene	ND	0.0250	1	01/18/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/18/22	01/19/22	
Toluene	ND	0.0250	1	01/18/22	01/19/22	
o-Xylene	ND	0.0250	1	01/18/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/18/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/18/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.4 %	70-130		01/18/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2204021
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.3 %	70-130		01/18/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2204024
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/22	01/19/22	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		01/18/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2204017
Chloride	272	20.0	1	01/18/22	01/18/22	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/21/2022 2:29:36PM

## Composite 37

E201069-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2204021
Benzene	ND	0.0250	1	01/18/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/18/22	01/19/22	
Toluene	ND	0.0250	1	01/18/22	01/19/22	
o-Xylene	ND	0.0250	1	01/18/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/18/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/18/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.1 %	70-130		01/18/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2204021
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.2 %	70-130		01/18/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2204024
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/22	01/19/22	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		01/18/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2204017
Chloride	532	20.0	1	01/18/22	01/18/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/21/2022 2:29:36PM

## Composite 38

E201069-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2204021
Benzene	ND	0.0250	1	01/18/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/18/22	01/19/22	
Toluene	ND	0.0250	1	01/18/22	01/19/22	
o-Xylene	ND	0.0250	1	01/18/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/18/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/18/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.3 %	70-130		01/18/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2204021
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.6 %	70-130		01/18/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2204024
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/22	01/19/22	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		01/18/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2204017
Chloride	441	20.0	1	01/18/22	01/18/22	



## Sample Data

Tap Rock	Project Name:	Jackson 6	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/21/2022 2:29:36PM

## Composite 39

E201069-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2204021
Benzene	ND	0.0250	1	01/18/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/18/22	01/19/22	
Toluene	ND	0.0250	1	01/18/22	01/19/22	
o-Xylene	ND	0.0250	1	01/18/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/18/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/18/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.2 %	70-130	01/18/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2204021
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.6 %	70-130	01/18/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2204024
Diesel Range Organics (C10-C28)	26.4	25.0	1	01/18/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/22	01/19/22	
<i>Surrogate: n-Nonane</i>		104 %	50-200	01/18/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2204017
Chloride	387	20.0	1	01/18/22	01/18/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/21/2022 2:29:36PM

## Composite 40

E201069-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2204021
Benzene	ND	0.0250	1	01/18/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/18/22	01/19/22	
Toluene	ND	0.0250	1	01/18/22	01/19/22	
o-Xylene	ND	0.0250	1	01/18/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/18/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/18/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.9 %	70-130		01/18/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2204021
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.5 %	70-130		01/18/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2204024
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/22	01/19/22	
<i>Surrogate: n-Nonane</i>						
	100 %	50-200		01/18/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2204017
Chloride	425	20.0	1	01/18/22	01/18/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/21/2022 2:29:36PM

## Composite 41

E201069-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2204021	
Benzene	ND	0.0250	1	01/18/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/18/22	01/19/22	
Toluene	ND	0.0250	1	01/18/22	01/19/22	
o-Xylene	ND	0.0250	1	01/18/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/18/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/18/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	94.9 %	70-130		01/18/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2204021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	98.1 %	70-130		01/18/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2204024	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/22	01/19/22	
<i>Surrogate: n-Nonane</i>	121 %	50-200		01/18/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2204017	
Chloride	387	20.0	1	01/18/22	01/18/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/21/2022 2:29:36PM

## Composite 42

## E201069-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2204021
Benzene	ND	0.0250	1	01/18/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/18/22	01/19/22	
Toluene	ND	0.0250	1	01/18/22	01/19/22	
o-Xylene	ND	0.0250	1	01/18/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/18/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/18/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	01/18/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2204021
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		100 %	70-130	01/18/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2204024
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/22	01/19/22	
<i>Surrogate: n-Nonane</i>						
		116 %	50-200	01/18/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2204017
Chloride	555	20.0	1	01/18/22	01/18/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/21/2022 2:29:36PM

## Composite 43

## E201069-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2204021	
Benzene	ND	0.0250	1	01/18/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/18/22	01/19/22	
Toluene	ND	0.0250	1	01/18/22	01/19/22	
o-Xylene	ND	0.0250	1	01/18/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/18/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/18/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.0 %	70-130		01/18/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2204021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	98.9 %	70-130		01/18/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2204024	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/22	01/19/22	
<i>Surrogate: n-Nonane</i>	111 %	50-200		01/18/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2204017	
Chloride	337	20.0	1	01/18/22	01/18/22	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/21/2022 2:29:36PM

## Composite 44

E201069-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2204021
Benzene	ND	0.0250	1	01/18/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/18/22	01/19/22	
Toluene	ND	0.0250	1	01/18/22	01/19/22	
o-Xylene	ND	0.0250	1	01/18/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/18/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/18/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.5 %	70-130		01/18/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2204021
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.0 %	70-130		01/18/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2204024
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/22	01/19/22	
<i>Surrogate: n-Nonane</i>						
	119 %	50-200		01/18/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2204017
Chloride	229	40.0	2	01/18/22	01/18/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/21/2022 2:29:36PM

## Composite 45

E201069-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2204021
Benzene	ND	0.0250	1	01/18/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/18/22	01/19/22	
Toluene	ND	0.0250	1	01/18/22	01/19/22	
o-Xylene	ND	0.0250	1	01/18/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/18/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/18/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.2 %	70-130	01/18/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2204021
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.5 %	70-130	01/18/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: JL		Batch: 2204024
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/22	01/19/22	
<i>Surrogate: n-Nonane</i>		107 %	50-200	01/18/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: RAS		Batch: 2204017
Chloride	244	20.0	1	01/18/22	01/18/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/21/2022 2:29:36PM

## Composite 46

E201069-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2204021
Benzene	ND	0.0250	1	01/18/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/18/22	01/19/22	
Toluene	ND	0.0250	1	01/18/22	01/19/22	
o-Xylene	ND	0.0250	1	01/18/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/18/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/18/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.3 %	70-130		01/18/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2204021
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.3 %	70-130		01/18/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2204024
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/22	01/19/22	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		01/18/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2204017
Chloride	229	40.0	2	01/18/22	01/18/22	



## Sample Data

Tap Rock	Project Name:	Jackson 6	<b>Reported:</b> 1/21/2022 2:29:36PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

## Composite 47

## E201069-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2204021	
Benzene	ND	0.0250	1	01/18/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/18/22	01/19/22	
Toluene	ND	0.0250	1	01/18/22	01/19/22	
o-Xylene	ND	0.0250	1	01/18/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/18/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/18/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.1 %	70-130		01/18/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2204021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	99.6 %	70-130		01/18/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2204024	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/22	01/19/22	
<i>Surrogate: n-Nonane</i>	99.4 %	50-200		01/18/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2204017	
Chloride	212	20.0	1	01/18/22	01/18/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/21/2022 2:29:36PM

## Composite 48

E201069-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2204021
Benzene	ND	0.0250	1	01/18/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/18/22	01/19/22	
Toluene	ND	0.0250	1	01/18/22	01/19/22	
o-Xylene	ND	0.0250	1	01/18/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/18/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/18/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.9 %	70-130		01/18/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2204021
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.6 %	70-130		01/18/22	01/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2204024
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/22	01/19/22	
<i>Surrogate: n-Nonane</i>						
	114 %	50-200		01/18/22	01/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2204017
Chloride	185	20.0	1	01/18/22	01/18/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/21/2022 2:29:36PM

## Composite 49

E201069-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2204021	
Benzene	ND	0.0250	1	01/18/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/18/22	01/19/22	
Toluene	ND	0.0250	1	01/18/22	01/19/22	
o-Xylene	ND	0.0250	1	01/18/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/18/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/18/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>97.1 %</i>	<i>70-130</i>		<i>01/18/22</i>	<i>01/19/22</i>	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2204021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>99.4 %</i>	<i>70-130</i>		<i>01/18/22</i>	<i>01/19/22</i>	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2204024	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/22	01/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/22	01/19/22	
<i>Surrogate: n-Nonane</i>	<i>89.4 %</i>	<i>50-200</i>		<i>01/18/22</i>	<i>01/19/22</i>	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2204017	
Chloride	221	20.0	1	01/18/22	01/18/22	



## QC Summary Data

Tap Rock	Project Name:	Jackson 6	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/21/2022 2:29:36PM

## Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2204021-BLK1)

Prepared: 01/18/22 Analyzed: 01/18/22

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	7.51		8.00		93.9	70-130			

## LCS (2204021-BS1)

Prepared: 01/18/22 Analyzed: 01/18/22

Benzene	4.29	0.0250	5.00		85.8	70-130			
Ethylbenzene	4.26	0.0250	5.00		85.2	70-130			
Toluene	4.40	0.0250	5.00		88.1	70-130			
o-Xylene	4.37	0.0250	5.00		87.4	70-130			
p,m-Xylene	8.66	0.0500	10.0		86.6	70-130			
Total Xylenes	13.0	0.0250	15.0		86.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.61		8.00		95.1	70-130			

## Matrix Spike (2204021-MS1)

Source: E201069-02

Prepared: 01/18/22 Analyzed: 01/19/22

Benzene	4.57	0.0250	5.00	ND	91.4	54-133			
Ethylbenzene	4.52	0.0250	5.00	ND	90.4	61-133			
Toluene	4.68	0.0250	5.00	ND	93.6	61-130			
o-Xylene	4.65	0.0250	5.00	ND	93.0	63-131			
p,m-Xylene	9.19	0.0500	10.0	ND	91.9	63-131			
Total Xylenes	13.8	0.0250	15.0	ND	92.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.83		8.00		97.9	70-130			

## Matrix Spike Dup (2204021-MSD1)

Source: E201069-02

Prepared: 01/18/22 Analyzed: 01/19/22

Benzene	4.55	0.0250	5.00	ND	91.0	54-133	0.388	20	
Ethylbenzene	4.50	0.0250	5.00	ND	90.0	61-133	0.428	20	
Toluene	4.66	0.0250	5.00	ND	93.2	61-130	0.431	20	
o-Xylene	4.65	0.0250	5.00	ND	93.0	63-131	0.0828	20	
p,m-Xylene	9.14	0.0500	10.0	ND	91.4	63-131	0.491	20	
Total Xylenes	13.8	0.0250	15.0	ND	91.9	63-131	0.354	20	
Surrogate: 4-Bromochlorobenzene-PID	7.81		8.00		97.7	70-130			





## QC Summary Data

Tap Rock	Project Name:	Jackson 6	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/21/2022 2:29:36PM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2204021-BLK1)

Prepared: 01/18/22 Analyzed: 01/18/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.91		8.00		98.8	70-130			

## LCS (2204021-BS2)

Prepared: 01/18/22 Analyzed: 01/18/22

Gasoline Range Organics (C6-C10)	47.0	20.0	50.0		94.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.08		8.00		101	70-130			

## Matrix Spike (2204021-MS2)

Source: E201069-02

Prepared: 01/18/22 Analyzed: 01/19/22

Gasoline Range Organics (C6-C10)	50.9	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.03		8.00		100	70-130			

## Matrix Spike Dup (2204021-MSD2)

Source: E201069-02

Prepared: 01/18/22 Analyzed: 01/19/22

Gasoline Range Organics (C6-C10)	51.8	20.0	50.0	ND	104	70-130	1.65	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.02		8.00		100	70-130			



## QC Summary Data

Tap Rock	Project Name:	Jackson 6	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/21/2022 2:29:36PM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2204024-BLK1)

Prepared: 01/18/22 Analyzed: 01/18/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.4		50.0		101	50-200			

## LCS (2204024-BS1)

Prepared: 01/18/22 Analyzed: 01/18/22

Diesel Range Organics (C10-C28)	523	25.0	500		105	38-132			
Surrogate: n-Nonane	51.6		50.0		103	50-200			

## Matrix Spike (2204024-MS1)

Source: E201069-08

Prepared: 01/18/22 Analyzed: 01/19/22

Diesel Range Organics (C10-C28)	546	25.0	500	ND	109	38-132			
Surrogate: n-Nonane	53.4		50.0		107	50-200			

## Matrix Spike Dup (2204024-MSD1)

Source: E201069-08

Prepared: 01/18/22 Analyzed: 01/19/22

Diesel Range Organics (C10-C28)	507	25.0	500	ND	101	38-132	7.47	20	
Surrogate: n-Nonane	47.2		50.0		94.4	50-200			



## QC Summary Data

Tap Rock	Project Name:	Jackson 6	<b>Reported:</b>
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/21/2022 2:29:36PM

## Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2204017-BLK1)

Prepared: 01/18/22 Analyzed: 01/18/22

Chloride ND 20.0

## LCS (2204017-BS1)

Prepared: 01/18/22 Analyzed: 01/18/22

Chloride 247 20.0 250 98.8 90-110

## Matrix Spike (2204017-MS1)

Source: E201069-02

Prepared: 01/18/22 Analyzed: 01/18/22

Chloride 429 40.0 250 176 101 80-120

## Matrix Spike Dup (2204017-MSD1)

Source: E201069-02

Prepared: 01/18/22 Analyzed: 01/18/22

Chloride 419 40.0 250 176 97.4 80-120 2.35 20

## QC Summary Report Comment:

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



Definitions and Notes

Tap Rock	Project Name:	Jackson 6	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	01/21/22 14:29

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

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

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









## Envirotech Analytical Laboratory

Printed: 1/18/2022 11:45:59AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Tap Rock	Date Received:	01/18/22 08:15	Work Order ID:	E201069
Phone:	(575) 390-6397	Date Logged In:	01/17/22 13:41	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	01/24/22 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

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

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

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



Report to:  
Natalie Gladden



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Tap Rock

Project Name: Jackson 6

Work Order: E201082

Job Number: 20046-0001

Received: 1/19/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
1/26/22

5796 U.S. Hwy 64  
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.  
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 1/26/22

Natalie Gladden  
7 W. Compress Road  
Artesia, NM 88210



Project Name: Jackson 6  
Workorder: E201082  
Date Received: 1/19/2022 11:00:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/19/2022 11:00:00AM, under the Project Name: Jackson 6.

The analytical test results summarized in this report with the Project Name: Jackson 6 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
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Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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**Alexa Michaels**  
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**Rayny Hagan**  
Technical Representative  
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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

Tap Rock	Project Name:	Jackson 6	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	01/26/22 16:36

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW Comp 1	E201082-01A	Soil	01/17/22	01/19/22	Glass Jar, 4 oz.
SW Comp 2	E201082-02A	Soil	01/17/22	01/19/22	Glass Jar, 4 oz.
SW Comp 3	E201082-03A	Soil	01/17/22	01/19/22	Glass Jar, 4 oz.
SW Comp 4	E201082-04A	Soil	01/17/22	01/19/22	Glass Jar, 4 oz.
SW Comp 5	E201082-05A	Soil	01/17/22	01/19/22	Glass Jar, 4 oz.
SW Comp 6	E201082-06A	Soil	01/17/22	01/19/22	Glass Jar, 4 oz.
SW Comp 7	E201082-07A	Soil	01/17/22	01/19/22	Glass Jar, 4 oz.
SW Comp 8	E201082-08A	Soil	01/17/22	01/19/22	Glass Jar, 4 oz.
SW Comp 9	E201082-09A	Soil	01/17/22	01/19/22	Glass Jar, 10 oz.
SW Comp 10	E201082-10A	Soil	01/17/22	01/19/22	Glass Jar, 4 oz.
SW Comp 11	E201082-11A	Soil	01/17/22	01/19/22	Glass Jar, 4 oz.
SW Comp 12	E201082-12A	Soil	01/17/22	01/19/22	Glass Jar, 4 oz.
SW Comp 13	E201082-13A	Soil	01/17/22	01/19/22	Glass Jar, 4 oz.
SW Comp 14	E201082-14A	Soil	01/17/22	01/19/22	Glass Jar, 4 oz.
SW Comp 15	E201082-15A	Soil	01/17/22	01/19/22	Glass Jar, 4 oz.
SW Comp 16	E201082-16A	Soil	01/17/22	01/19/22	Glass Jar, 4 oz.
SW Comp 17	E201082-17A	Soil	01/17/22	01/19/22	Glass Jar, 4 oz.
SW Comp 18	E201082-18A	Soil	01/17/22	01/19/22	Glass Jar, 4 oz.
SW Comp 19	E201082-19A	Soil	01/17/22	01/19/22	Glass Jar, 4 oz.
SW Comp 20	E201082-20A	Soil	01/17/22	01/19/22	Glass Jar, 4 oz.



## Sample Data

Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Jackson 6 Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 1/26/2022 4:36:15PM
---	---	---

## SW Comp 1

## E201082-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2204059	
Benzene	ND	0.0250	1	01/21/22	01/23/22	
Ethylbenzene	ND	0.0250	1	01/21/22	01/23/22	
Toluene	ND	0.0250	1	01/21/22	01/23/22	
o-Xylene	ND	0.0250	1	01/21/22	01/23/22	
p,m-Xylene	ND	0.0500	1	01/21/22	01/23/22	
Total Xylenes	ND	0.0250	1	01/21/22	01/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	94.8 %	70-130		01/21/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2204059	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/22	01/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	102 %	70-130		01/21/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2204062	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/22/22	
<i>Surrogate: n-Nonane</i>	125 %	50-200		01/21/22	01/22/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2204043	
Chloride	104	20.0	1	01/25/22	01/25/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/26/2022 4:36:15PM

## SW Comp 2

## E201082-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2204059	
Benzene	ND	0.0500	2	01/21/22	01/23/22	
Ethylbenzene	ND	0.0500	2	01/21/22	01/23/22	
Toluene	ND	0.0500	2	01/21/22	01/23/22	
o-Xylene	ND	0.0500	2	01/21/22	01/23/22	
p,m-Xylene	ND	0.100	2	01/21/22	01/23/22	
Total Xylenes	ND	0.0500	2	01/21/22	01/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.1 %	70-130		01/21/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2204059	
Gasoline Range Organics (C6-C10)	ND	40.0	2	01/21/22	01/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	102 %	70-130		01/21/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2204062	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/22/22	
<i>Surrogate: n-Nonane</i>						
	125 %	50-200		01/21/22	01/22/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2204043	
Chloride	133	20.0	1	01/25/22	01/25/22	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/26/2022 4:36:15PM

## SW Comp 3

## E201082-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204059
Benzene	ND	0.0250	1	01/21/22	01/23/22	
Ethylbenzene	ND	0.0250	1	01/21/22	01/23/22	
Toluene	ND	0.0250	1	01/21/22	01/23/22	
o-Xylene	ND	0.0250	1	01/21/22	01/23/22	
p,m-Xylene	ND	0.0500	1	01/21/22	01/23/22	
Total Xylenes	ND	0.0250	1	01/21/22	01/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.7 %	70-130		01/21/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204059
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/22	01/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	102 %	70-130		01/21/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2204062
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/22/22	
<i>Surrogate: n-Nonane</i>						
	123 %	50-200		01/21/22	01/22/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2204043
Chloride	109	20.0	1	01/25/22	01/25/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/26/2022 4:36:15PM

## SW Comp 4

## E201082-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204059
Benzene	ND	0.0250	1	01/21/22	01/23/22	
Ethylbenzene	ND	0.0250	1	01/21/22	01/23/22	
Toluene	ND	0.0250	1	01/21/22	01/23/22	
o-Xylene	ND	0.0250	1	01/21/22	01/23/22	
p,m-Xylene	ND	0.0500	1	01/21/22	01/23/22	
Total Xylenes	ND	0.0250	1	01/21/22	01/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.1 %	70-130		01/21/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204059
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/22	01/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	101 %	70-130		01/21/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2204062
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/22/22	
<i>Surrogate: n-Nonane</i>						
	120 %	50-200		01/21/22	01/22/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2204043
Chloride	239	20.0	1	01/25/22	01/25/22	



## Sample Data

Tap Rock	Project Name:	Jackson 6	<b>Reported:</b> 1/26/2022 4:36:15PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

## SW Comp 5

## E201082-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2204059	
Benzene	ND	0.0250	1	01/21/22	01/23/22	
Ethylbenzene	ND	0.0250	1	01/21/22	01/23/22	
Toluene	ND	0.0250	1	01/21/22	01/23/22	
o-Xylene	ND	0.0250	1	01/21/22	01/23/22	
p,m-Xylene	ND	0.0500	1	01/21/22	01/23/22	
Total Xylenes	ND	0.0250	1	01/21/22	01/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.0 %	70-130		01/21/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2204059	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/22	01/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	103 %	70-130		01/21/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2204062	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/22/22	
<i>Surrogate: n-Nonane</i>	131 %	50-200		01/21/22	01/22/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2204043	
Chloride	234	20.0	1	01/25/22	01/25/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/26/2022 4:36:15PM

## SW Comp 6

## E201082-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2204059	
Benzene	ND	0.0250	1	01/21/22	01/23/22	
Ethylbenzene	ND	0.0250	1	01/21/22	01/23/22	
Toluene	ND	0.0250	1	01/21/22	01/23/22	
o-Xylene	ND	0.0250	1	01/21/22	01/23/22	
p,m-Xylene	ND	0.0500	1	01/21/22	01/23/22	
Total Xylenes	ND	0.0250	1	01/21/22	01/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.2 %	70-130		01/21/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2204059	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/22	01/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		01/21/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2204062	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/22/22	
<i>Surrogate: n-Nonane</i>						
	128 %	50-200		01/21/22	01/22/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2204043	
Chloride	239	20.0	1	01/25/22	01/25/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/26/2022 4:36:15PM

## SW Comp 7

E201082-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2204059
Benzene	ND	0.0250	1	01/21/22	01/23/22	
Ethylbenzene	ND	0.0250	1	01/21/22	01/23/22	
Toluene	ND	0.0250	1	01/21/22	01/23/22	
o-Xylene	ND	0.0250	1	01/21/22	01/23/22	
p,m-Xylene	ND	0.0500	1	01/21/22	01/23/22	
Total Xylenes	ND	0.0250	1	01/21/22	01/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.7 %	70-130	01/21/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2204059
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/22	01/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		102 %	70-130	01/21/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: JL		Batch: 2204062
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/22/22	
<i>Surrogate: n-Nonane</i>		119 %	50-200	01/21/22	01/22/22	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: RAS		Batch: 2204043
Chloride	245	20.0	1	01/25/22	01/25/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/26/2022 4:36:15PM

## SW Comp 8

E201082-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2204059	
Benzene	ND	0.0250	1	01/21/22	01/23/22	
Ethylbenzene	ND	0.0250	1	01/21/22	01/23/22	
Toluene	ND	0.0250	1	01/21/22	01/23/22	
o-Xylene	ND	0.0250	1	01/21/22	01/23/22	
p,m-Xylene	ND	0.0500	1	01/21/22	01/23/22	
Total Xylenes	ND	0.0250	1	01/21/22	01/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.5 %	70-130		01/21/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2204059	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/22	01/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		01/21/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2204062	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/22/22	
<i>Surrogate: n-Nonane</i>						
	126 %	50-200		01/21/22	01/22/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2204043	
Chloride	260	20.0	1	01/25/22	01/25/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/26/2022 4:36:15PM

## SW Comp 9

E201082-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204059
Benzene	ND	0.0250	1	01/21/22	01/23/22	
Ethylbenzene	ND	0.0250	1	01/21/22	01/23/22	
Toluene	ND	0.0250	1	01/21/22	01/23/22	
o-Xylene	ND	0.0250	1	01/21/22	01/23/22	
p,m-Xylene	ND	0.0500	1	01/21/22	01/23/22	
Total Xylenes	ND	0.0250	1	01/21/22	01/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.7 %	70-130		01/21/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204059
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/22	01/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		01/21/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2204062
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/22/22	
<i>Surrogate: n-Nonane</i>						
	121 %	50-200		01/21/22	01/22/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2204043
Chloride	245	20.0	1	01/25/22	01/25/22	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/26/2022 4:36:15PM

## SW Comp 10

## E201082-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2204059
Benzene	ND	0.0250	1	01/21/22	01/23/22	
Ethylbenzene	ND	0.0250	1	01/21/22	01/23/22	
Toluene	ND	0.0250	1	01/21/22	01/23/22	
o-Xylene	ND	0.0250	1	01/21/22	01/23/22	
p,m-Xylene	ND	0.0500	1	01/21/22	01/23/22	
Total Xylenes	ND	0.0250	1	01/21/22	01/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.2 %	70-130	01/21/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2204059
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/22	01/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	01/21/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: JL		Batch: 2204062
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/22/22	
<i>Surrogate: n-Nonane</i>		127 %	50-200	01/21/22	01/22/22	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: RAS		Batch: 2204043
Chloride	489	20.0	1	01/25/22	01/25/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/26/2022 4:36:15PM

## SW Comp 11

## E201082-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204059
Benzene	ND	0.0250	1	01/21/22	01/23/22	
Ethylbenzene	ND	0.0250	1	01/21/22	01/23/22	
Toluene	ND	0.0250	1	01/21/22	01/23/22	
o-Xylene	ND	0.0250	1	01/21/22	01/23/22	
p,m-Xylene	ND	0.0500	1	01/21/22	01/23/22	
Total Xylenes	ND	0.0250	1	01/21/22	01/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.6 %	70-130		01/21/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204059
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/22	01/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	102 %	70-130		01/21/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2204062
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/22/22	
<i>Surrogate: n-Nonane</i>						
	130 %	50-200		01/21/22	01/22/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2204043
Chloride	236	20.0	1	01/25/22	01/25/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/26/2022 4:36:15PM

## SW Comp 12

## E201082-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2204059	
Benzene	ND	0.0250	1	01/21/22	01/23/22	
Ethylbenzene	ND	0.0250	1	01/21/22	01/23/22	
Toluene	ND	0.0250	1	01/21/22	01/23/22	
o-Xylene	ND	0.0250	1	01/21/22	01/23/22	
p,m-Xylene	ND	0.0500	1	01/21/22	01/23/22	
Total Xylenes	ND	0.0250	1	01/21/22	01/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.1 %	70-130	01/21/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2204059	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/22	01/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	01/21/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2204062	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/22/22	
<i>Surrogate: n-Nonane</i>		140 %	50-200	01/21/22	01/22/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2204043	
Chloride	229	20.0	1	01/25/22	01/25/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/26/2022 4:36:15PM

## SW Comp 13

## E201082-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204059
Benzene	ND	0.0250	1	01/21/22	01/23/22	
Ethylbenzene	ND	0.0250	1	01/21/22	01/23/22	
Toluene	ND	0.0250	1	01/21/22	01/23/22	
o-Xylene	ND	0.0250	1	01/21/22	01/23/22	
p,m-Xylene	ND	0.0500	1	01/21/22	01/23/22	
Total Xylenes	ND	0.0250	1	01/21/22	01/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.8 %	70-130		01/21/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204059
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/22	01/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		01/21/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2204062
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/22/22	
<i>Surrogate: n-Nonane</i>						
	142 %	50-200		01/21/22	01/22/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2204043
Chloride	476	20.0	1	01/25/22	01/25/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/26/2022 4:36:15PM

## SW Comp 14

## E201082-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2204059
Benzene	ND	0.0250	1	01/21/22	01/23/22	
Ethylbenzene	ND	0.0250	1	01/21/22	01/23/22	
Toluene	ND	0.0250	1	01/21/22	01/23/22	
o-Xylene	ND	0.0250	1	01/21/22	01/23/22	
p,m-Xylene	ND	0.0500	1	01/21/22	01/23/22	
Total Xylenes	ND	0.0250	1	01/21/22	01/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.5 %	70-130	01/21/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2204059
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/22	01/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	01/21/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: JL		Batch: 2204062
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/22/22	
<i>Surrogate: n-Nonane</i>		131 %	50-200	01/21/22	01/22/22	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: RAS		Batch: 2204043
Chloride	484	20.0	1	01/25/22	01/25/22	



## Sample Data

Tap Rock	Project Name:	Jackson 6	<b>Reported:</b> 1/26/2022 4:36:15PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

## SW Comp 15

## E201082-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2204059	
Benzene	ND	0.0250	1	01/21/22	01/23/22	
Ethylbenzene	ND	0.0250	1	01/21/22	01/23/22	
Toluene	ND	0.0250	1	01/21/22	01/23/22	
o-Xylene	ND	0.0250	1	01/21/22	01/23/22	
p,m-Xylene	ND	0.0500	1	01/21/22	01/23/22	
Total Xylenes	ND	0.0250	1	01/21/22	01/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	91.9 %	70-130		01/21/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2204059	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/22	01/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	103 %	70-130		01/21/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2204062	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/23/22	
<i>Surrogate: n-Nonane</i>	125 %	50-200		01/21/22	01/23/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2204043	
Chloride	429	20.0	1	01/25/22	01/25/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/26/2022 4:36:15PM

## SW Comp 16

## E201082-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204059
Benzene	ND	0.0250	1	01/21/22	01/23/22	
Ethylbenzene	ND	0.0250	1	01/21/22	01/23/22	
Toluene	ND	0.0250	1	01/21/22	01/23/22	
o-Xylene	ND	0.0250	1	01/21/22	01/23/22	
p,m-Xylene	ND	0.0500	1	01/21/22	01/23/22	
Total Xylenes	ND	0.0250	1	01/21/22	01/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.6 %	70-130	01/21/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204059
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/22	01/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		103 %	70-130	01/21/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2204062
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/23/22	
<i>Surrogate: n-Nonane</i>						
		131 %	50-200	01/21/22	01/23/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2204043
Chloride	411	20.0	1	01/25/22	01/25/22	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/26/2022 4:36:15PM

## SW Comp 17

## E201082-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2204059	
Benzene	ND	0.0250	1	01/21/22	01/24/22	
Ethylbenzene	ND	0.0250	1	01/21/22	01/24/22	
Toluene	ND	0.0250	1	01/21/22	01/24/22	
o-Xylene	ND	0.0250	1	01/21/22	01/24/22	
p,m-Xylene	ND	0.0500	1	01/21/22	01/24/22	
Total Xylenes	ND	0.0250	1	01/21/22	01/24/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.0 %	70-130		01/21/22	01/24/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2204059	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/22	01/24/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		01/21/22	01/24/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2204062	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/23/22	
<i>Surrogate: n-Nonane</i>						
	122 %	50-200		01/21/22	01/23/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2204043	
Chloride	427	20.0	1	01/25/22	01/25/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/26/2022 4:36:15PM

## SW Comp 18

## E201082-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2204059
Benzene	ND	0.0250	1	01/21/22	01/24/22	
Ethylbenzene	ND	0.0250	1	01/21/22	01/24/22	
Toluene	ND	0.0250	1	01/21/22	01/24/22	
o-Xylene	ND	0.0250	1	01/21/22	01/24/22	
p,m-Xylene	ND	0.0500	1	01/21/22	01/24/22	
Total Xylenes	ND	0.0250	1	01/21/22	01/24/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.2 %	70-130	01/21/22	01/24/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2204059
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/22	01/24/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	01/21/22	01/24/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: JL		Batch: 2204062
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/23/22	
<i>Surrogate: n-Nonane</i>		126 %	50-200	01/21/22	01/23/22	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: RAS		Batch: 2204043
Chloride	408	20.0	1	01/25/22	01/25/22	



## Sample Data

Tap Rock	Project Name:	Jackson 6	<b>Reported:</b> 1/26/2022 4:36:15PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

## SW Comp 19

## E201082-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2204059	
Benzene	ND	0.0250	1	01/21/22	01/24/22	
Ethylbenzene	ND	0.0250	1	01/21/22	01/24/22	
Toluene	ND	0.0250	1	01/21/22	01/24/22	
o-Xylene	ND	0.0250	1	01/21/22	01/24/22	
p,m-Xylene	ND	0.0500	1	01/21/22	01/24/22	
Total Xylenes	ND	0.0250	1	01/21/22	01/24/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.4 %	70-130	01/21/22	01/24/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2204059	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/22	01/24/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	01/21/22	01/24/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2204062	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/23/22	
<i>Surrogate: n-Nonane</i>		178 %	50-200	01/21/22	01/23/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2204043	
Chloride	411	20.0	1	01/25/22	01/25/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/26/2022 4:36:15PM

## SW Comp 20

## E201082-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204059
Benzene	ND	0.0250	1	01/21/22	01/24/22	
Ethylbenzene	ND	0.0250	1	01/21/22	01/24/22	
Toluene	ND	0.0250	1	01/21/22	01/24/22	
o-Xylene	ND	0.0250	1	01/21/22	01/24/22	
p,m-Xylene	ND	0.0500	1	01/21/22	01/24/22	
Total Xylenes	ND	0.0250	1	01/21/22	01/24/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.1 %	70-130		01/21/22	01/24/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204059
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/22	01/24/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		01/21/22	01/24/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2204062
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/23/22	
<i>Surrogate: n-Nonane</i>						
	140 %	50-200		01/21/22	01/23/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2204043
Chloride	234	20.0	1	01/25/22	01/25/22	



## QC Summary Data

Tap Rock	Project Name:	Jackson 6	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/26/2022 4:36:15PM

## Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2204059-BLK1)

Prepared: 01/21/22 Analyzed: 01/23/22

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	7.59		8.00		94.9	70-130			

## LCS (2204059-BS1)

Prepared: 01/21/22 Analyzed: 01/23/22

Benzene	4.85	0.0250	5.00		97.0	70-130			
Ethylbenzene	4.99	0.0250	5.00		99.9	70-130			
Toluene	5.18	0.0250	5.00		104	70-130			
o-Xylene	4.94	0.0250	5.00		98.9	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.61		8.00		95.2	70-130			

## Matrix Spike (2204059-MS1)

Source: E201082-01

Prepared: 01/21/22 Analyzed: 01/23/22

Benzene	4.81	0.0250	5.00	ND	96.3	54-133			
Ethylbenzene	4.93	0.0250	5.00	ND	98.7	61-133			
Toluene	5.15	0.0250	5.00	ND	103	61-130			
o-Xylene	4.89	0.0250	5.00	ND	97.8	63-131			
p,m-Xylene	9.97	0.0500	10.0	ND	99.7	63-131			
Total Xylenes	14.9	0.0250	15.0	ND	99.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.62		8.00		95.2	70-130			

## Matrix Spike Dup (2204059-MSD1)

Source: E201082-01

Prepared: 01/21/22 Analyzed: 01/23/22

Benzene	4.86	0.0250	5.00	ND	97.2	54-133	0.928	20	
Ethylbenzene	5.03	0.0250	5.00	ND	101	61-133	1.89	20	
Toluene	5.21	0.0250	5.00	ND	104	61-130	1.12	20	
o-Xylene	4.96	0.0250	5.00	ND	99.3	63-131	1.54	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	2.16	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	1.95	20	
Surrogate: 4-Bromochlorobenzene-PID	7.73		8.00		96.6	70-130			



## QC Summary Data

Tap Rock	Project Name:	Jackson 6	<b>Reported:</b>
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/26/2022 4:36:15PM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2204059-BLK1)

Prepared: 01/21/22 Analyzed: 01/23/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.25		8.00		103	70-130			

## LCS (2204059-BS2)

Prepared: 01/21/22 Analyzed: 01/23/22

Gasoline Range Organics (C6-C10)	48.8	20.0	50.0		97.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.12		8.00		101	70-130			

## Matrix Spike (2204059-MS2)

Source: E201082-01

Prepared: 01/21/22 Analyzed: 01/23/22

Gasoline Range Organics (C6-C10)	49.1	20.0	50.0	ND	98.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.14		8.00		102	70-130			

## Matrix Spike Dup (2204059-MSD2)

Source: E201082-01

Prepared: 01/21/22 Analyzed: 01/23/22

Gasoline Range Organics (C6-C10)	49.0	20.0	50.0	ND	97.9	70-130	0.362	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.18		8.00		102	70-130			



## QC Summary Data

Tap Rock	Project Name:	Jackson 6	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/26/2022 4:36:15PM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2204062-BLK1)

Prepared: 01/21/22 Analyzed: 01/22/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	61.2		50.0		122	50-200			

## LCS (2204062-BS1)

Prepared: 01/21/22 Analyzed: 01/22/22

Diesel Range Organics (C10-C28)	451	25.0	500		90.1	38-132			
Surrogate: <i>n</i> -Nonane	58.7		50.0		117	50-200			

## Matrix Spike (2204062-MS1)

Source: E201082-03

Prepared: 01/21/22 Analyzed: 01/22/22

Diesel Range Organics (C10-C28)	476	25.0	500	ND	95.2	38-132			
Surrogate: <i>n</i> -Nonane	64.5		50.0		129	50-200			

## Matrix Spike Dup (2204062-MSD1)

Source: E201082-03

Prepared: 01/21/22 Analyzed: 01/22/22

Diesel Range Organics (C10-C28)	476	25.0	500	ND	95.2	38-132	0.00158	20	
Surrogate: <i>n</i> -Nonane	62.9		50.0		126	50-200			





## QC Summary Data

Tap Rock	Project Name:	Jackson 6	<b>Reported:</b>
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/26/2022 4:36:15PM

## Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2204043-BLK1)

Prepared: 01/25/22 Analyzed: 01/25/22

Chloride ND 20.0

## LCS (2204043-BS1)

Prepared: 01/25/22 Analyzed: 01/26/22

Chloride 247 20.0 250 98.9 90-110

## Matrix Spike (2204043-MS1)

Source: E201082-05

Prepared: 01/25/22 Analyzed: 01/25/22

Chloride 516 20.0 250 234 113 80-120

## Matrix Spike Dup (2204043-MSD1)

Source: E201082-05

Prepared: 01/25/22 Analyzed: 01/25/22

Chloride 519 20.0 250 234 114 80-120 0.538 20

## QC Summary Report Comment:

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



Definitions and Notes

Tap Rock	Project Name:	Jackson 6	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	01/26/22 16:36

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

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

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



Project Information

Chain of Custody

Page 1 of 2

Client: <u>TAP ROCK</u>		Bill To		Lab Use Only		TAT		EPA Program					
Project: <u>JACKSON 6</u>		Attention: <u>ESS</u>		Lab WO# <u>E 201082</u>		Job Number <u>20046-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager:		Address: <u>2427 W COUNTY RD</u>		Analysis and Method									
Address:		City, State, Zip <u>HOBBES NM 88240</u>		DRO/DRO by 8015		DRO/DRO by 8015		BTEX by 8021		VOC by 8260		Metals 6010	
City, State, Zip		Phone: <u>(575) 340-6397</u>		Chloride 300.0									
Phone:		Email: <u>NATASHA GLADEN</u>											
Email:													
Report due by:													
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks							
8:15	1-17	S	1	SW COMP 1	1	<u>8060C NH</u> <input checked="" type="checkbox"/>							
8:30				SW COMP 2	2								
8:50				SW COMP 3	3								
9:00				SW COMP 4	4								
9:10				SW COMP 5	5								
9:22				SW COMP 6	6								
9:40				SW COMP 7	7								
10:00				SW COMP 8	8								
10:10				SW COMP 9	9								
10:30				SW COMP 10	10								
Additional Instructions:													
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.													
Relinquished by: (Signature) <u>[Signature]</u> Date <u>1-18-22</u> Time <u>1:00</u>													
Relinquished by: (Signature) <u>[Signature]</u> Date <u>1-18-22</u> Time <u>1:00</u>													
Relinquished by: (Signature) <u>[Signature]</u> Date <u>1-18-22</u> Time <u>1:45</u>													
Received by: (Signature) <u>[Signature]</u> Date <u>1-18-22</u> Time <u>1:30</u>													
Received by: (Signature) <u>[Signature]</u> Date <u>1-19-22</u> Time <u>11:00</u>													
Received by: (Signature) <u>[Signature]</u> Date <u>1-19-22</u> Time <u>11:00</u>													
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____													
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA													
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.													


**envirotech**



## Project Information

## Chain of Custody

Page 2 of 2

Client: <u>TA P Rock</u>				Bill To: <u>ESS</u>				Lab Use Only				TAT				EPA Program					
Project: <u>JACKSON 6</u>				Attention: <u>ESS</u>				Lab WO#: <u>E 201082</u>				Job Number: <u>20046-0001</u>				1D	2D	3D	Standard	CWA	SDWA
Project Manager:				Address: <u>2427 W COUNTY RD</u>				Analysis and Method												RCRA	
Address:				City, State, Zip: <u>HOBBS NM 88240</u>																	
City, State, Zip:				Phone: <u>(505) 390-6397</u>				DRQ/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 <u>8060C NM</u>												State	
Phone:				Email: <u>NATALIE GLADDER</u>																	
Email:																				NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>	
Report due by:																				Remarks	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number
10:40	1-17	S	1	SW COMP 11	11
11:00				SW COMP 12	12
11:15				SW COMP 13	13
11:25				SW COMP 14	14
11:45				SW COMP 15	15
12:05				SW COMP 16	16
12:20				SW COMP 17	17
12:40				SW COMP 18	18
1:00				SW COMP 19	19
1:20				SW COMP 20	20

Additional Instructions:

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<u>[Signature]</u>	1-18-22	1:00	<u>[Signature]</u>	1-18-22	1300
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<u>[Signature]</u>	1-18-22	1645	<u>[Signature]</u>	1-19-22	11:00
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: Y N

T1 \_\_\_\_\_ T2 \_\_\_\_\_ T3 \_\_\_\_\_

AVG Temp °C 4

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

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

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

## Envirotech Analytical Laboratory

Printed: 1/21/2022 9:07:06AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Tap Rock	Date Received:	01/19/22 11:00	Work Order ID:	E201082
Phone:	(575) 390-6397	Date Logged In:	01/18/22 15:53	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	01/25/22 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: UPSComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

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

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:  
Natalie Gladden



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Tap Rock

Project Name: Jackson 6

Work Order: E201083

Job Number: 20046-0001

Received: 1/19/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
1/25/22

5796 U.S. Hwy 64  
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.  
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)



Date Reported: 1/25/22

Natalie Gladden  
7 W. Compress Road  
Artesia, NM 88210



Project Name: Jackson 6  
Workorder: E201083  
Date Received: 1/19/2022 11:00:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/19/2022 11:00:00AM, under the Project Name: Jackson 6.

The analytical test results summarized in this report with the Project Name: Jackson 6 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
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**Alexa Michaels**  
Sample Custody Officer  
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[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

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

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



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## Sample Summary

Tap Rock	Project Name:	Jackson 6	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	01/25/22 15:10

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Composite 50	E201083-01A	Soil	01/14/22	01/19/22	Glass Jar, 4 oz.
Composite 51	E201083-02A	Soil	01/14/22	01/19/22	Glass Jar, 4 oz.
Composite 52	E201083-03A	Soil	01/14/22	01/19/22	Glass Jar, 4 oz.
Composite 53	E201083-04A	Soil	01/14/22	01/19/22	Glass Jar, 4 oz.
Composite 54	E201083-05A	Soil	01/14/22	01/19/22	Glass Jar, 4 oz.
Composite 55	E201083-06A	Soil	01/14/22	01/19/22	Glass Jar, 4 oz.
Composite 56	E201083-07A	Soil	01/14/22	01/19/22	Glass Jar, 4 oz.
Composite 57	E201083-08A	Soil	01/14/22	01/19/22	Glass Jar, 4 oz.
Composite 58	E201083-09A	Soil	01/14/22	01/19/22	Glass Jar, 4 oz.
Composite 59	E201083-10A	Soil	01/14/22	01/19/22	Glass Jar, 4 oz.
Composite 60	E201083-11A	Soil	01/14/22	01/19/22	Glass Jar, 4 oz.
Composite 61	E201083-12A	Soil	01/14/22	01/19/22	Glass Jar, 4 oz.
Composite 62	E201083-13A	Soil	01/14/22	01/19/22	Glass Jar, 4 oz.



## Sample Data

Tap Rock	Project Name:	Jackson 6	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/25/2022 3:10:37PM

## Composite 50

## E201083-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2204049	
Benzene	ND	0.0250	1	01/20/22	01/23/22	
Ethylbenzene	ND	0.0250	1	01/20/22	01/23/22	
Toluene	ND	0.0250	1	01/20/22	01/23/22	
o-Xylene	ND	0.0250	1	01/20/22	01/23/22	
p,m-Xylene	ND	0.0500	1	01/20/22	01/23/22	
Total Xylenes	ND	0.0250	1	01/20/22	01/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	92.1 %	70-130		01/20/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2204049	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/22	01/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	97.5 %	70-130		01/20/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2204063	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/22/22	
<i>Surrogate: n-Nonane</i>	116 %	50-200		01/21/22	01/22/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2204042	
Chloride	331	20.0	1	01/20/22	01/20/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/25/2022 3:10:37PM

## Composite 51

E201083-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204049
Benzene	ND	0.0250	1	01/20/22	01/23/22	
Ethylbenzene	ND	0.0250	1	01/20/22	01/23/22	
Toluene	ND	0.0250	1	01/20/22	01/23/22	
o-Xylene	ND	0.0250	1	01/20/22	01/23/22	
p,m-Xylene	ND	0.0500	1	01/20/22	01/23/22	
Total Xylenes	ND	0.0250	1	01/20/22	01/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.7 %	70-130		01/20/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204049
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/22	01/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.3 %	70-130		01/20/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2204063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/22/22	
<i>Surrogate: n-Nonane</i>						
	94.5 %	50-200		01/21/22	01/22/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204042
Chloride	281	20.0	1	01/20/22	01/20/22	



## Sample Data

Tap Rock	Project Name:	Jackson 6	<b>Reported:</b> 1/25/2022 3:10:37PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

## Composite 52

E201083-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2204049	
Benzene	ND	0.0250	1	01/20/22	01/23/22	
Ethylbenzene	ND	0.0250	1	01/20/22	01/23/22	
Toluene	ND	0.0250	1	01/20/22	01/23/22	
o-Xylene	ND	0.0250	1	01/20/22	01/23/22	
p,m-Xylene	ND	0.0500	1	01/20/22	01/23/22	
Total Xylenes	ND	0.0250	1	01/20/22	01/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	91.4 %	70-130		01/20/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2204049	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/22	01/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	98.4 %	70-130		01/20/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2204063	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/22/22	
<i>Surrogate: n-Nonane</i>	115 %	50-200		01/21/22	01/22/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2204042	
Chloride	195	20.0	1	01/20/22	01/20/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/25/2022 3:10:37PM

## Composite 53

E201083-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204049
Benzene	ND	0.0250	1	01/20/22	01/23/22	
Ethylbenzene	ND	0.0250	1	01/20/22	01/23/22	
Toluene	ND	0.0250	1	01/20/22	01/23/22	
o-Xylene	ND	0.0250	1	01/20/22	01/23/22	
p,m-Xylene	ND	0.0500	1	01/20/22	01/23/22	
Total Xylenes	ND	0.0250	1	01/20/22	01/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.4 %	70-130	01/20/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204049
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/22	01/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.6 %	70-130	01/20/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2204063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/22/22	
<i>Surrogate: n-Nonane</i>						
		106 %	50-200	01/21/22	01/22/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204042
Chloride	122	20.0	1	01/20/22	01/20/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/25/2022 3:10:37PM

## Composite 54

E201083-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204049
Benzene	ND	0.0250	1	01/20/22	01/23/22	
Ethylbenzene	ND	0.0250	1	01/20/22	01/23/22	
Toluene	ND	0.0250	1	01/20/22	01/23/22	
o-Xylene	ND	0.0250	1	01/20/22	01/23/22	
p,m-Xylene	ND	0.0500	1	01/20/22	01/23/22	
Total Xylenes	ND	0.0250	1	01/20/22	01/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.9 %	70-130		01/20/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204049
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/22	01/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.4 %	70-130		01/20/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2204063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/22/22	
<i>Surrogate: n-Nonane</i>						
	69.9 %	50-200		01/21/22	01/22/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204042
Chloride	327	20.0	1	01/20/22	01/20/22	





## Sample Data

Tap Rock	Project Name:	Jackson 6	<b>Reported:</b> 1/25/2022 3:10:37PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

## Composite 55

E201083-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2204049	
Benzene	ND	0.0250	1	01/20/22	01/23/22	
Ethylbenzene	ND	0.0250	1	01/20/22	01/23/22	
Toluene	ND	0.0250	1	01/20/22	01/23/22	
o-Xylene	ND	0.0250	1	01/20/22	01/23/22	
p,m-Xylene	ND	0.0500	1	01/20/22	01/23/22	
Total Xylenes	ND	0.0250	1	01/20/22	01/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	90.3 %	70-130		01/20/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2204049	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/22	01/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	97.1 %	70-130		01/20/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2204063	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/22/22	
<i>Surrogate: n-Nonane</i>	63.1 %	50-200		01/21/22	01/22/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2204042	
Chloride	269	20.0	1	01/20/22	01/20/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/25/2022 3:10:37PM

## Composite 56

E201083-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2204049	
Benzene	ND	0.0250	1	01/20/22	01/23/22	
Ethylbenzene	ND	0.0250	1	01/20/22	01/23/22	
Toluene	ND	0.0250	1	01/20/22	01/23/22	
o-Xylene	ND	0.0250	1	01/20/22	01/23/22	
p,m-Xylene	ND	0.0500	1	01/20/22	01/23/22	
Total Xylenes	ND	0.0250	1	01/20/22	01/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.9 %	70-130		01/20/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2204049	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/22	01/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.4 %	70-130		01/20/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2204063	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/22/22	
<i>Surrogate: n-Nonane</i>						
	50.8 %	50-200		01/21/22	01/22/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2204042	
Chloride	228	20.0	1	01/20/22	01/20/22	



## Sample Data

Tap Rock	Project Name:	Jackson 6	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/25/2022 3:10:37PM

## Composite 57

E201083-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2204049	
Benzene	ND	0.0250	1	01/20/22	01/23/22	
Ethylbenzene	ND	0.0250	1	01/20/22	01/23/22	
Toluene	ND	0.0250	1	01/20/22	01/23/22	
o-Xylene	ND	0.0250	1	01/20/22	01/23/22	
p,m-Xylene	ND	0.0500	1	01/20/22	01/23/22	
Total Xylenes	ND	0.0250	1	01/20/22	01/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	91.3 %	70-130		01/20/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2204049	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/22	01/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	98.1 %	70-130		01/20/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2204063	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/22/22	
<i>Surrogate: n-Nonane</i>	57.3 %	50-200		01/21/22	01/22/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2204042	
Chloride	250	20.0	1	01/20/22	01/20/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/25/2022 3:10:37PM

## Composite 58

E201083-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204049
Benzene	ND	0.0250	1	01/20/22	01/23/22	
Ethylbenzene	ND	0.0250	1	01/20/22	01/23/22	
Toluene	ND	0.0250	1	01/20/22	01/23/22	
o-Xylene	ND	0.0250	1	01/20/22	01/23/22	
p,m-Xylene	ND	0.0500	1	01/20/22	01/23/22	
Total Xylenes	ND	0.0250	1	01/20/22	01/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.2 %	70-130		01/20/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204049
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/22	01/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.0 %	70-130		01/20/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2204063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/23/22	
<i>Surrogate: n-Nonane</i>						
	59.1 %	50-200		01/21/22	01/23/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204042
Chloride	269	20.0	1	01/20/22	01/20/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/25/2022 3:10:37PM

## Composite 59

## E201083-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204049
Benzene	ND	0.0250	1	01/20/22	01/23/22	
Ethylbenzene	ND	0.0250	1	01/20/22	01/23/22	
Toluene	ND	0.0250	1	01/20/22	01/23/22	
o-Xylene	ND	0.0250	1	01/20/22	01/23/22	
p,m-Xylene	ND	0.0500	1	01/20/22	01/23/22	
Total Xylenes	ND	0.0250	1	01/20/22	01/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.2 %	70-130		01/20/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204049
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/22	01/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.4 %	70-130		01/20/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2204063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/23/22	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		01/21/22	01/23/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204042
Chloride	276	20.0	1	01/20/22	01/21/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/25/2022 3:10:37PM

## Composite 60

## E201083-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204049
Benzene	ND	0.0250	1	01/20/22	01/23/22	
Ethylbenzene	ND	0.0250	1	01/20/22	01/23/22	
Toluene	ND	0.0250	1	01/20/22	01/23/22	
o-Xylene	ND	0.0250	1	01/20/22	01/23/22	
p,m-Xylene	ND	0.0500	1	01/20/22	01/23/22	
Total Xylenes	ND	0.0250	1	01/20/22	01/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.4 %	70-130		01/20/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204049
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/22	01/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.9 %	70-130		01/20/22	01/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2204063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/24/22	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		01/21/22	01/24/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204042
Chloride	418	20.0	1	01/20/22	01/21/22	



## Sample Data

Tap Rock	Project Name:	Jackson 6	<b>Reported:</b> 1/25/2022 3:10:37PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

## Composite 61

## E201083-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2204049	
Benzene	ND	0.0250	1	01/20/22	01/24/22	
Ethylbenzene	ND	0.0250	1	01/20/22	01/24/22	
Toluene	ND	0.0250	1	01/20/22	01/24/22	
o-Xylene	ND	0.0250	1	01/20/22	01/24/22	
p,m-Xylene	ND	0.0500	1	01/20/22	01/24/22	
Total Xylenes	ND	0.0250	1	01/20/22	01/24/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	88.8 %	70-130		01/20/22	01/24/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2204049	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/22	01/24/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	97.4 %	70-130		01/20/22	01/24/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2204063	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/23/22	
<i>Surrogate: n-Nonane</i>	74.1 %	50-200		01/21/22	01/23/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2204042	
Chloride	408	20.0	1	01/20/22	01/21/22	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/25/2022 3:10:37PM

## Composite 62

## E201083-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204049
Benzene	ND	0.0250	1	01/20/22	01/24/22	
Ethylbenzene	ND	0.0250	1	01/20/22	01/24/22	
Toluene	ND	0.0250	1	01/20/22	01/24/22	
o-Xylene	ND	0.0250	1	01/20/22	01/24/22	
p,m-Xylene	ND	0.0500	1	01/20/22	01/24/22	
Total Xylenes	ND	0.0250	1	01/20/22	01/24/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.9 %	70-130		01/20/22	01/24/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204049
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/22	01/24/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.0 %	70-130		01/20/22	01/24/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2204063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/24/22	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		01/21/22	01/24/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204042
Chloride	401	20.0	1	01/20/22	01/21/22	



## QC Summary Data

Tap Rock	Project Name:	Jackson 6	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/25/2022 3:10:37PM

## Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2204049-BLK1)

Prepared: 01/20/22 Analyzed: 01/24/22

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	6.99		8.00		87.3	70-130			

## LCS (2204049-BS1)

Prepared: 01/20/22 Analyzed: 01/24/22

Benzene	4.74	0.0250	5.00		94.8	70-130			
Ethylbenzene	4.67	0.0250	5.00		93.4	70-130			
Toluene	4.85	0.0250	5.00		97.0	70-130			
o-Xylene	4.79	0.0250	5.00		95.7	70-130			
p,m-Xylene	9.47	0.0500	10.0		94.7	70-130			
Total Xylenes	14.3	0.0250	15.0		95.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.04		8.00		88.0	70-130			

## Matrix Spike (2204049-MS1)

Source: E201066-03

Prepared: 01/20/22 Analyzed: 01/24/22

Benzene	4.69	0.0250	5.00	ND	93.8	54-133			
Ethylbenzene	4.61	0.0250	5.00	ND	92.3	61-133			
Toluene	4.79	0.0250	5.00	ND	95.9	61-130			
o-Xylene	4.71	0.0250	5.00	ND	94.2	63-131			
p,m-Xylene	9.37	0.0500	10.0	ND	93.7	63-131			
Total Xylenes	14.1	0.0250	15.0	ND	93.9	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.24		8.00		90.5	70-130			

## Matrix Spike Dup (2204049-MSD1)

Source: E201066-03

Prepared: 01/20/22 Analyzed: 01/24/22

Benzene	4.72	0.0250	5.00	ND	94.3	54-133	0.540	20	
Ethylbenzene	4.64	0.0250	5.00	ND	92.8	61-133	0.616	20	
Toluene	4.82	0.0250	5.00	ND	96.4	61-130	0.481	20	
o-Xylene	4.75	0.0250	5.00	ND	95.0	63-131	0.844	20	
p,m-Xylene	9.42	0.0500	10.0	ND	94.2	63-131	0.535	20	
Total Xylenes	14.2	0.0250	15.0	ND	94.5	63-131	0.638	20	
Surrogate: 4-Bromochlorobenzene-PID	7.53		8.00		94.1	70-130			



## QC Summary Data

Tap Rock	Project Name:	Jackson 6	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/25/2022 3:10:37PM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2204049-BLK1)

Prepared: 01/20/22 Analyzed: 01/24/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.82		8.00		97.7	70-130			

## LCS (2204049-BS2)

Prepared: 01/20/22 Analyzed: 01/24/22

Gasoline Range Organics (C6-C10)	51.2	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.93		8.00		99.1	70-130			

## Matrix Spike (2204049-MS2)

Source: E201066-03

Prepared: 01/20/22 Analyzed: 01/24/22

Gasoline Range Organics (C6-C10)	51.2	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.88		8.00		98.5	70-130			

## Matrix Spike Dup (2204049-MSD2)

Source: E201066-03

Prepared: 01/20/22 Analyzed: 01/24/22

Gasoline Range Organics (C6-C10)	50.3	20.0	50.0	ND	101	70-130	1.84	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.95		8.00		99.4	70-130			



## QC Summary Data

Tap Rock	Project Name:	Jackson 6	<b>Reported:</b>
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/25/2022 3:10:37PM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2204063-BLK1)

Prepared: 01/21/22 Analyzed: 01/22/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	56.8		50.0		114	50-200			

## LCS (2204063-BS1)

Prepared: 01/21/22 Analyzed: 01/22/22

Diesel Range Organics (C10-C28)	456	25.0	500		91.2	38-132			
Surrogate: <i>n</i> -Nonane	50.2		50.0		100	50-200			

## Matrix Spike (2204063-MS1)

Source: E201083-10

Prepared: 01/21/22 Analyzed: 01/22/22

Diesel Range Organics (C10-C28)	301	25.0	500	ND	60.2	38-132			
Surrogate: <i>n</i> -Nonane	40.0		50.0		80.0	50-200			

## Matrix Spike Dup (2204063-MSD1)

Source: E201083-10

Prepared: 01/21/22 Analyzed: 01/24/22

Diesel Range Organics (C10-C28)	444	25.0	500	ND	88.8	38-132	38.3	20	R3
Surrogate: <i>n</i> -Nonane	29.4		50.0		58.8	50-200			



## QC Summary Data

Tap Rock	Project Name:	Jackson 6	<b>Reported:</b>
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/25/2022 3:10:37PM

## 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
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## Blank (2204042-BLK1)

Prepared: 01/20/22 Analyzed: 01/20/22

Chloride ND 20.0

## LCS (2204042-BS1)

Prepared: 01/20/22 Analyzed: 01/20/22

Chloride 247 20.0 250 98.7 90-110

## Matrix Spike (2204042-MS1)

Source: E201066-02

Prepared: 01/20/22 Analyzed: 01/20/22

Chloride 1250 200 250 933 126 80-120 M2

## Matrix Spike Dup (2204042-MSD1)

Source: E201066-02

Prepared: 01/20/22 Analyzed: 01/20/22

Chloride 1430 200 250 933 198 80-120 13.5 20 M2

## QC Summary Report Comment:

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



## Definitions and Notes

Tap Rock	Project Name:	Jackson 6	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	01/25/22 15:10

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

R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



## Project Information

## Chain of Custody

Page 1 of 2

Client: <u>TAPROCK</u>		Bill To		Lab Use Only		TAT		EPA Program					
Project: <u>JACKSON 6</u>		Attention: <u>ESS</u>		Lab WO# <u>E201083</u>		Job Number <u>20046-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager:		Address: <u>2427 W COUNTY RD</u>		Analysis and Method								RCRA	
Address:		City, State, Zip <u>HOBBS NM 88240</u>		DRO/ORO by 8015		DRO/ORO by 8015		BTEX by 8021		VOC by 8260		Metals 6010	
City, State, Zip		Phone: <u>(575) 390-6397</u>										Chloride 300.0	
Phone:		Email: <u>NATHALIE GLADDEN</u>											
Email:													
Report due by:													
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks							
9:50	1-14	S	1	COMPOSITE 50	1	<div style="display: flex; justify-content: space-between;"> <div> NM CO UT AZ TX  <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> </div> <div>State</div> </div>							
10:10				COMPOSITE 51	2								
10:28				COMPOSITE 52	3								
10:45				COMPOSITE 53	4								
11:00				COMPOSITE 54	5								
11:20				COMPOSITE 55	6								
11:30				COMPOSITE 56	7								
11:40				COMPOSITE 57	8								
11:55				COMPOSITE 58	9								
12:20				COMPOSITE 59	10								
Additional Instructions:													
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location date or time of collection is considered fraud and may be grounds for legal action.													
Relinquished by: (Signature) <u>[Signature]</u> Date <u>1-18-22</u> Time <u>1:00</u> Received by: (Signature) <u>[Signature]</u> Date <u>1-18-22</u> Time <u>1300</u>													
Relinquished by: (Signature) <u>[Signature]</u> Date <u>1-18-22</u> Time <u>1645</u> Received by: (Signature) <u>[Signature]</u> Date <u>1/19/22</u> Time <u>11:00</u>													
Relinquished by: (Signature) <u>[Signature]</u> Date <u>1-18-22</u> Time <u>1645</u> Received by: (Signature) <u>[Signature]</u> Date <u>1/19/22</u> Time <u>11:00</u>													
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA													
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.													







## Envirotech Analytical Laboratory

Printed: 1/19/2022 2:33:20PM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Tap Rock	Date Received:	01/19/22 11:00	Work Order ID:	E201083
Phone:	(575) 390-6397	Date Logged In:	01/18/22 17:35	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	01/25/22 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: UPSComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

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

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 

Sample ID?	Yes
Date/Time Collected?	No
Collectors name?	No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:  
Natalie Gladden



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Tap Rock

Project Name: Jackson 6

Work Order: E201141

Job Number: 20046-0001

Received: 1/28/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
1/31/22

5796 U.S. Hwy 64  
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.  
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 1/31/22

Natalie Gladden  
7 W. Compress Road  
Artesia, NM 88210



Project Name: Jackson 6  
Workorder: E201141  
Date Received: 1/28/2022 1:10:00PM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/28/2022 1:10:00PM, under the Project Name: Jackson 6.

The analytical test results summarized in this report with the Project Name: Jackson 6 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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**Alexa Michaels**  
Sample Custody Officer  
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**West Texas Midland/Odessa Area**  
**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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**Sample Summary**

Tap Rock	Project Name:	Jackson 6	<b>Reported:</b> 01/31/22 16:42
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Comp 22-10'	E201141-01A	Soil	01/24/22	01/28/22	Glass Jar, 4 oz.
Comp 26-10'	E201141-02A	Soil	01/24/22	01/28/22	Glass Jar, 4 oz.
Comp 27-10'	E201141-03A	Soil	01/24/22	01/28/22	Glass Jar, 4 oz.
Comp 30-10'	E201141-04A	Soil	01/24/22	01/28/22	Glass Jar, 4 oz.
Comp 32-10'	E201141-05A	Soil	01/24/22	01/28/22	Glass Jar, 4 oz.



## Sample Data

Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Jackson 6 Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 1/31/2022 4:42:11PM
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## Comp 22-10'

## E201141-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2205059	
Benzene	ND	0.0250	1	01/27/22	01/28/22	
Ethylbenzene	ND	0.0250	1	01/27/22	01/28/22	
Toluene	ND	0.0250	1	01/27/22	01/28/22	
o-Xylene	ND	0.0250	1	01/27/22	01/28/22	
p,m-Xylene	ND	0.0500	1	01/27/22	01/28/22	
Total Xylenes	ND	0.0250	1	01/27/22	01/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	92.1 %	70-130		01/27/22	01/28/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2205059	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/22	01/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	101 %	70-130		01/27/22	01/28/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2205061	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/22	01/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/22	01/28/22	
<i>Surrogate: n-Nonane</i>	106 %	50-200		01/28/22	01/28/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2205066	
Chloride	132	20.0	1	01/28/22	01/28/22	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/31/2022 4:42:11PM

## Comp 26-10'

## E201141-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2205059
Benzene	ND	0.0250	1	01/27/22	01/28/22	
Ethylbenzene	ND	0.0250	1	01/27/22	01/28/22	
Toluene	ND	0.0250	1	01/27/22	01/28/22	
o-Xylene	ND	0.0250	1	01/27/22	01/28/22	
p,m-Xylene	ND	0.0500	1	01/27/22	01/28/22	
Total Xylenes	ND	0.0250	1	01/27/22	01/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.5 %	70-130		01/27/22	01/28/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2205059
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/22	01/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	101 %	70-130		01/27/22	01/28/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2205061
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/22	01/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/22	01/28/22	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		01/28/22	01/28/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2205066
Chloride	136	20.0	1	01/28/22	01/28/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/31/2022 4:42:11PM

## Comp 27-10'

E201141-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2205059
Benzene	ND	0.0250	1	01/27/22	01/28/22	
Ethylbenzene	ND	0.0250	1	01/27/22	01/28/22	
Toluene	ND	0.0250	1	01/27/22	01/28/22	
o-Xylene	ND	0.0250	1	01/27/22	01/28/22	
p,m-Xylene	ND	0.0500	1	01/27/22	01/28/22	
Total Xylenes	ND	0.0250	1	01/27/22	01/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.9 %	70-130		01/27/22	01/28/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2205059
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/22	01/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	102 %	70-130		01/27/22	01/28/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2205061
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/22	01/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/22	01/28/22	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		01/28/22	01/28/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2205066
Chloride	139	20.0	1	01/28/22	01/28/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/31/2022 4:42:11PM

## Comp 30-10'

## E201141-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2205059
Benzene	ND	0.0250	1	01/27/22	01/28/22	
Ethylbenzene	ND	0.0250	1	01/27/22	01/28/22	
Toluene	ND	0.0250	1	01/27/22	01/28/22	
o-Xylene	ND	0.0250	1	01/27/22	01/28/22	
p,m-Xylene	ND	0.0500	1	01/27/22	01/28/22	
Total Xylenes	ND	0.0250	1	01/27/22	01/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.1 %	70-130		01/27/22	01/28/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2205059
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/22	01/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	100 %	70-130		01/27/22	01/28/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2205061
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/22	01/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/22	01/28/22	
<i>Surrogate: n-Nonane</i>						
	92.0 %	50-200		01/28/22	01/28/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2205066
Chloride	195	40.0	2	01/28/22	01/28/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

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

**Reported:**  
1/31/2022 4:42:11PM

## Comp 32-10'

E201141-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2205059
Benzene	ND	0.0250	1	01/27/22	01/28/22	
Ethylbenzene	ND	0.0250	1	01/27/22	01/28/22	
Toluene	ND	0.0250	1	01/27/22	01/28/22	
o-Xylene	ND	0.0250	1	01/27/22	01/28/22	
p,m-Xylene	ND	0.0500	1	01/27/22	01/28/22	
Total Xylenes	ND	0.0250	1	01/27/22	01/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.7 %	70-130		01/27/22	01/28/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2205059
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/22	01/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	101 %	70-130		01/27/22	01/28/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2205061
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/22	01/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/22	01/28/22	
<i>Surrogate: n-Nonane</i>						
	96.0 %	50-200		01/28/22	01/28/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2205066
Chloride	194	40.0	2	01/28/22	01/28/22	



## QC Summary Data

Tap Rock	Project Name:	Jackson 6	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/31/2022 4:42:11PM

## Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2205059-BLK1)

Prepared: 01/27/22 Analyzed: 01/31/22

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	7.88		8.00		98.6	70-130			

## LCS (2205059-BS1)

Prepared: 01/27/22 Analyzed: 01/31/22

Benzene	4.28	0.0250	5.00		85.6	70-130			
Ethylbenzene	4.35	0.0250	5.00		87.0	70-130			
Toluene	4.44	0.0250	5.00		88.9	70-130			
o-Xylene	4.43	0.0250	5.00		88.7	70-130			
p,m-Xylene	8.85	0.0500	10.0		88.5	70-130			
Total Xylenes	13.3	0.0250	15.0		88.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.09		8.00		101	70-130			

## Matrix Spike (2205059-MS1)

Source: E201129-02

Prepared: 01/27/22 Analyzed: 01/31/22

Benzene	4.43	0.0250	5.00	ND	88.6	54-133			
Ethylbenzene	4.47	0.0250	5.00	ND	89.3	61-133			
Toluene	4.59	0.0250	5.00	ND	91.8	61-130			
o-Xylene	4.56	0.0250	5.00	ND	91.1	63-131			
p,m-Xylene	9.09	0.0500	10.0	ND	90.9	63-131			
Total Xylenes	13.6	0.0250	15.0	ND	90.9	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.74		8.00		96.8	70-130			

## Matrix Spike Dup (2205059-MSD1)

Source: E201129-02

Prepared: 01/27/22 Analyzed: 01/31/22

Benzene	4.44	0.0250	5.00	ND	88.8	54-133	0.207	20	
Ethylbenzene	4.49	0.0250	5.00	ND	89.8	61-133	0.494	20	
Toluene	4.60	0.0250	5.00	ND	92.0	61-130	0.242	20	
o-Xylene	4.56	0.0250	5.00	ND	91.2	63-131	0.128	20	
p,m-Xylene	9.13	0.0500	10.0	ND	91.3	63-131	0.486	20	
Total Xylenes	13.7	0.0250	15.0	ND	91.3	63-131	0.367	20	
Surrogate: 4-Bromochlorobenzene-PID	7.54		8.00		94.3	70-130			



## QC Summary Data

Tap Rock	Project Name:	Jackson 6	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/31/2022 4:42:11PM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2205059-BLK1)

Prepared: 01/27/22 Analyzed: 01/31/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.95		8.00		99.3	70-130			

## LCS (2205059-BS2)

Prepared: 01/27/22 Analyzed: 01/31/22

Gasoline Range Organics (C6-C10)	48.8	20.0	50.0		97.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.01		8.00		100	70-130			

## Matrix Spike (2205059-MS2)

Source: E201129-02

Prepared: 01/27/22 Analyzed: 01/31/22

Gasoline Range Organics (C6-C10)	52.3	20.0	50.0	ND	105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.98		8.00		99.7	70-130			

## Matrix Spike Dup (2205059-MSD2)

Source: E201129-02

Prepared: 01/27/22 Analyzed: 01/31/22

Gasoline Range Organics (C6-C10)	50.3	20.0	50.0	ND	101	70-130	3.88	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.99		8.00		99.9	70-130			



## QC Summary Data

Tap Rock	Project Name:	Jackson 6	<b>Reported:</b>
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/31/2022 4:42:11PM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2205061-BLK1)

Prepared: 01/28/22 Analyzed: 01/28/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	48.8		50.0		97.6	50-200			

## LCS (2205061-BS1)

Prepared: 01/28/22 Analyzed: 01/28/22

Diesel Range Organics (C10-C28)	462	25.0	500		92.5	38-132			
Surrogate: <i>n</i> -Nonane	52.2		50.0		104	50-200			

## Matrix Spike (2205061-MS1)

Source: E201133-10

Prepared: 01/28/22 Analyzed: 01/28/22

Diesel Range Organics (C10-C28)	464	25.0	500	ND	92.8	38-132			
Surrogate: <i>n</i> -Nonane	52.7		50.0		105	50-200			

## Matrix Spike Dup (2205061-MSD1)

Source: E201133-10

Prepared: 01/28/22 Analyzed: 01/28/22

Diesel Range Organics (C10-C28)	465	25.0	500	ND	92.9	38-132	0.0751	20	
Surrogate: <i>n</i> -Nonane	52.5		50.0		105	50-200			





## QC Summary Data

Tap Rock	Project Name:	Jackson 6	<b>Reported:</b>
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/31/2022 4:42:11PM

## Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2205066-BLK1)

Prepared: 01/28/22 Analyzed: 01/28/22

Chloride	ND	20.0
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## LCS (2205066-BS1)

Prepared: 01/28/22 Analyzed: 01/28/22

Chloride	251	20.0	250	100	90-110
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## Matrix Spike (2205066-MS1)

Source: E201141-01

Prepared: 01/28/22 Analyzed: 01/28/22

Chloride	389	20.0	250	132	103	80-120
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## Matrix Spike Dup (2205066-MSD1)

Source: E201141-01

Prepared: 01/28/22 Analyzed: 01/28/22

Chloride	387	20.0	250	132	102	80-120	0.548	20
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## QC Summary Report Comment:

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



Definitions and Notes

Tap Rock	Project Name:	Jackson 6	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	01/31/22 16:42

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

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

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





## Envirotech Analytical Laboratory

Printed: 1/28/2022 2:31:09PM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Tap Rock	Date Received:	01/28/22 13:10	Work Order ID:	E201141
Phone:	(575) 390-6397	Date Logged In:	01/28/22 08:43	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	01/28/22 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CarrierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

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

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

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

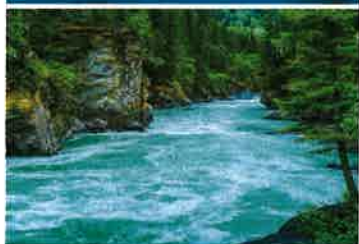
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Natalie Gladden



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 6

Work Order: E202045

Job Number: 20046-0001

Received: 2/9/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
2/11/22

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: 2/11/22

Natalie Gladden  
7 W. Compress Road  
Artesia, NM 88210



Project Name: Jackson 6  
Workorder: E202045  
Date Received: 2/9/2022 10:30:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/9/2022 10:30:00AM, under the Project Name: Jackson 6.

The analytical test results summarized in this report with the Project Name: Jackson 6 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
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[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

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**Sample Summary**

Tap Rock	Project Name:	Jackson 6	<b>Reported:</b>
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	02/11/22 17:47

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
COMP 31-12'	E202045-01A	Soil	02/07/22	02/09/22	Glass Jar, 4 oz.



## Sample Data

Tap Rock	Project Name:	Jackson 6	<b>Reported:</b> 2/11/2022 5:47:28PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

## COMP 31-12'

## E202045-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2207024
Benzene	ND	0.0250	1	02/09/22	02/10/22	
Ethylbenzene	ND	0.0250	1	02/09/22	02/10/22	
Toluene	ND	0.0250	1	02/09/22	02/10/22	
o-Xylene	ND	0.0250	1	02/09/22	02/10/22	
p,m-Xylene	ND	0.0500	1	02/09/22	02/10/22	
Total Xylenes	ND	0.0250	1	02/09/22	02/10/22	
Surrogate: 4-Bromochlorobenzene-PID	96.0 %	70-130		02/09/22	02/10/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2207024
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/09/22	02/10/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.9 %	70-130		02/09/22	02/10/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2207042
Diesel Range Organics (C10-C28)	ND	25.0	1	02/10/22	02/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/10/22	02/10/22	
Surrogate: n-Nonane	134 %	50-200		02/10/22	02/10/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2207038
Chloride	56.9	20.0	1	02/10/22	02/11/22	



## QC Summary Data

Tap Rock	Project Name:	Jackson 6	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	2/11/2022 5:47:28PM

## Volatile Organics by EPA 8021B

Analyst: IV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2207024-BLK1)

Prepared: 02/09/22 Analyzed: 02/10/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.68		8.00		96.0	70-130			

## LCS (2207024-BS1)

Prepared: 02/09/22 Analyzed: 02/10/22

Benzene	4.17	0.0250	5.00		83.5	70-130			
Ethylbenzene	4.21	0.0250	5.00		84.1	70-130			
Toluene	4.31	0.0250	5.00		86.3	70-130			
o-Xylene	4.29	0.0250	5.00		85.7	70-130			
p,m-Xylene	8.56	0.0500	10.0		85.6	70-130			
Total Xylenes	12.8	0.0250	15.0		85.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.73		8.00		96.6	70-130			

## Matrix Spike (2207024-MS1)

Source: E202038-02

Prepared: 02/09/22 Analyzed: 02/10/22

Benzene	4.05	0.0250	5.00	ND	80.9	54-133			
Ethylbenzene	4.07	0.0250	5.00	ND	81.5	61-133			
Toluene	4.18	0.0250	5.00	ND	83.6	61-130			
o-Xylene	4.16	0.0250	5.00	ND	83.2	63-131			
p,m-Xylene	8.30	0.0500	10.0	ND	83.0	63-131			
Total Xylenes	12.5	0.0250	15.0	ND	83.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.85		8.00		98.1	70-130			

## Matrix Spike Dup (2207024-MSD1)

Source: E202038-02

Prepared: 02/09/22 Analyzed: 02/10/22

Benzene	4.24	0.0250	5.00	ND	84.8	54-133	4.72	20	
Ethylbenzene	4.27	0.0250	5.00	ND	85.5	61-133	4.75	20	
Toluene	4.38	0.0250	5.00	ND	87.6	61-130	4.68	20	
o-Xylene	4.36	0.0250	5.00	ND	87.2	63-131	4.68	20	
p,m-Xylene	8.69	0.0500	10.0	ND	86.9	63-131	4.67	20	
Total Xylenes	13.1	0.0250	15.0	ND	87.0	63-131	4.67	20	
Surrogate: 4-Bromochlorobenzene-PID	7.75		8.00		96.9	70-130			



## QC Summary Data

Tap Rock	Project Name:	Jackson 6	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	2/11/2022 5:47:28PM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rcc %	Rcc Limits %	RPD %	RPD Limit %	Notes
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## Blank (2207024-BLK1)

Prepared: 02/09/22 Analyzed: 02/10/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.13		8.00		102	70-130			

## LCS (2207024-BS2)

Prepared: 02/09/22 Analyzed: 02/10/22

Gasoline Range Organics (C6-C10)	46.1	20.0	50.0		92.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.19		8.00		102	70-130			

## Matrix Spike (2207024-MS2)

Source: E202038-02

Prepared: 02/09/22 Analyzed: 02/10/22

Gasoline Range Organics (C6-C10)	45.8	20.0	50.0	ND	91.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.02		8.00		100	70-130			

## Matrix Spike Dup (2207024-MSD2)

Source: E202038-02

Prepared: 02/09/22 Analyzed: 02/10/22

Gasoline Range Organics (C6-C10)	48.1	20.0	50.0	ND	96.2	70-130	4.90	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.06		8.00		101	70-130			



## QC Summary Data

Tap Rock	Project Name:	Jackson 6	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	2/11/2022 5:47:28PM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2207042-BLK1)

Prepared: 02/10/22 Analyzed: 02/11/22

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 (2207042-BS1)

Prepared: 02/10/22 Analyzed: 02/11/22

Diesel Range Organics (C10-C28)	544	25.0	500		109	38-132			
Surrogate: n-Nonane	56.6		50.0		113	50-200			

## Matrix Spike (2207042-MS1)

Source: E202050-21

Prepared: 02/10/22 Analyzed: 02/11/22

Diesel Range Organics (C10-C28)	314	25.0	500	ND	62.9	38-132			
Surrogate: n-Nonane	31.9		50.0		63.8	50-200			

## Matrix Spike Dup (2207042-MSD1)

Source: E202050-21

Prepared: 02/10/22 Analyzed: 02/11/22

Diesel Range Organics (C10-C28)	286	25.0	500	ND	57.1	38-132	9.56	20	
Surrogate: n-Nonane	29.2		50.0		58.4	50-200			



## QC Summary Data

Tap Rock	Project Name:	Jackson 6	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	2/11/2022 5:47:28PM

## Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2207038-BLK1)

Prepared: 02/10/22 Analyzed: 02/10/22

Chloride	ND	20.0
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## LCS (2207038-BS1)

Prepared: 02/10/22 Analyzed: 02/10/22

Chloride	245	20.0	250	97.9	90-110
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## Matrix Spike (2207038-MS1)

Source: E202044-18

Prepared: 02/10/22 Analyzed: 02/10/22

Chloride	249	20.0	250	ND	99.4	80-120
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## Matrix Spike Dup (2207038-MSD1)

Source: E202044-18

Prepared: 02/10/22 Analyzed: 02/10/22

Chloride	251	20.0	250	ND	101	80-120	1.09	20
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## QC Summary Report Comment:

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



**Definitions and Notes**

Tap Rock	Project Name:	Jackson 6	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	02/11/22 17:47

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.





## Chain of Custody

[illegible]

envirotech

## Envirotech Analytical Laboratory

Printed: 2/9/2022 11:07:45AM

## 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:	02/09/22 10:30	Work Order ID:	E202045
Phone:	(575) 390-6397	Date Logged In:	02/09/22 11:05	Logged In By:	Alexa Michaels
Email:	natalie@energystaffingllc.com	Due Date:	02/15/22 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Carrier: UPS

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

Sample Turn Around Time (TAT)

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

Sample Cooler

- |  |     |
|--|-----|
| 7. Was a sample cooler received?   | Yes |
| 8. If yes, was cooler received in good condition?                                  | Yes |
| 9. Was the sample(s) received intact, i.e., not broken?                            | Yes |
| 10. Were custody/security seals present?   | No  |
| 11. If yes, were custody/security seals intact?                                    | NA  |
| 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C | Yes |

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

- |  |
|--|
| 13. If no visible ice, record the temperature. Actual sample temperature: <u>4°C</u> |
|--|

Sample Container

- |  |     |
|--|-----|
| 14. Are aqueous VOC samples present?   | No  |
| 15. Are VOC samples collected in VOA Vials?                                    | NA  |
| 16. Is the head space less than 6-8 mm (pea sized or less)?                    | NA  |
| 17. Was a trip blank (TB) included for VOC analyses?                           | NA  |
| 18. Are non-VOC samples collected in the correct containers?                   | Yes |
| 19. Is the appropriate volume/weight or number of sample containers collected? | Yes |

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

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

Date



envirotech Inc.



## Chain of Custody

Page 1 of 1

**envirotech**



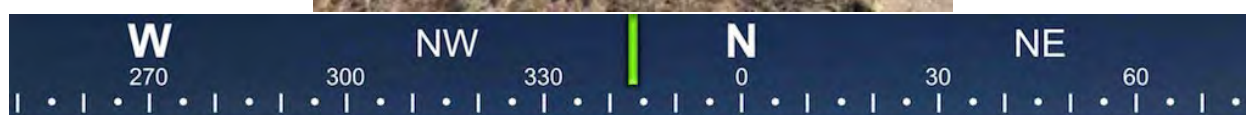


EXCAVATION PHOTOS









☀ 339°N (T) ● 32°12'28"N, 103°36'13"W ±52ft ▲ 3534ft





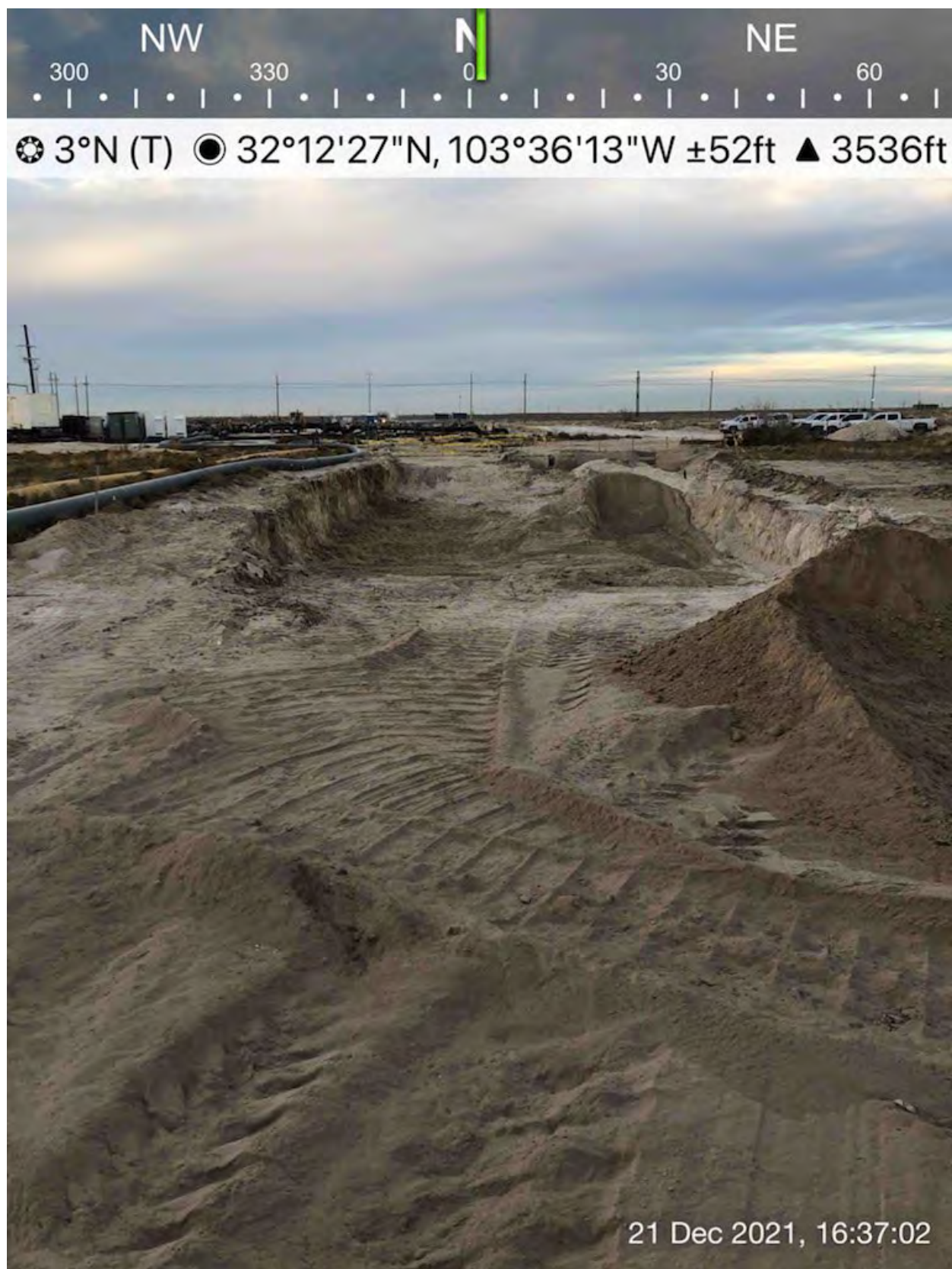
















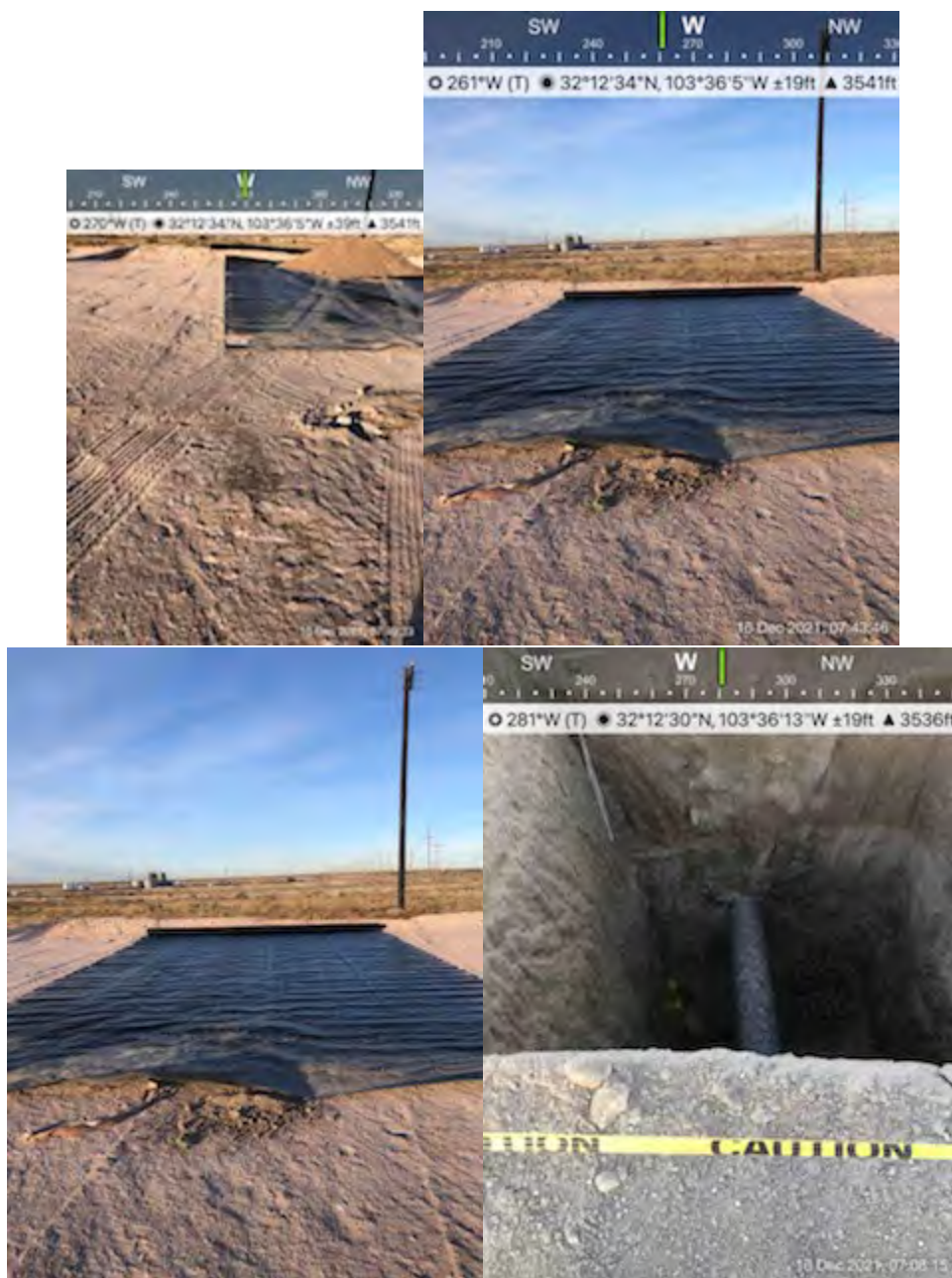


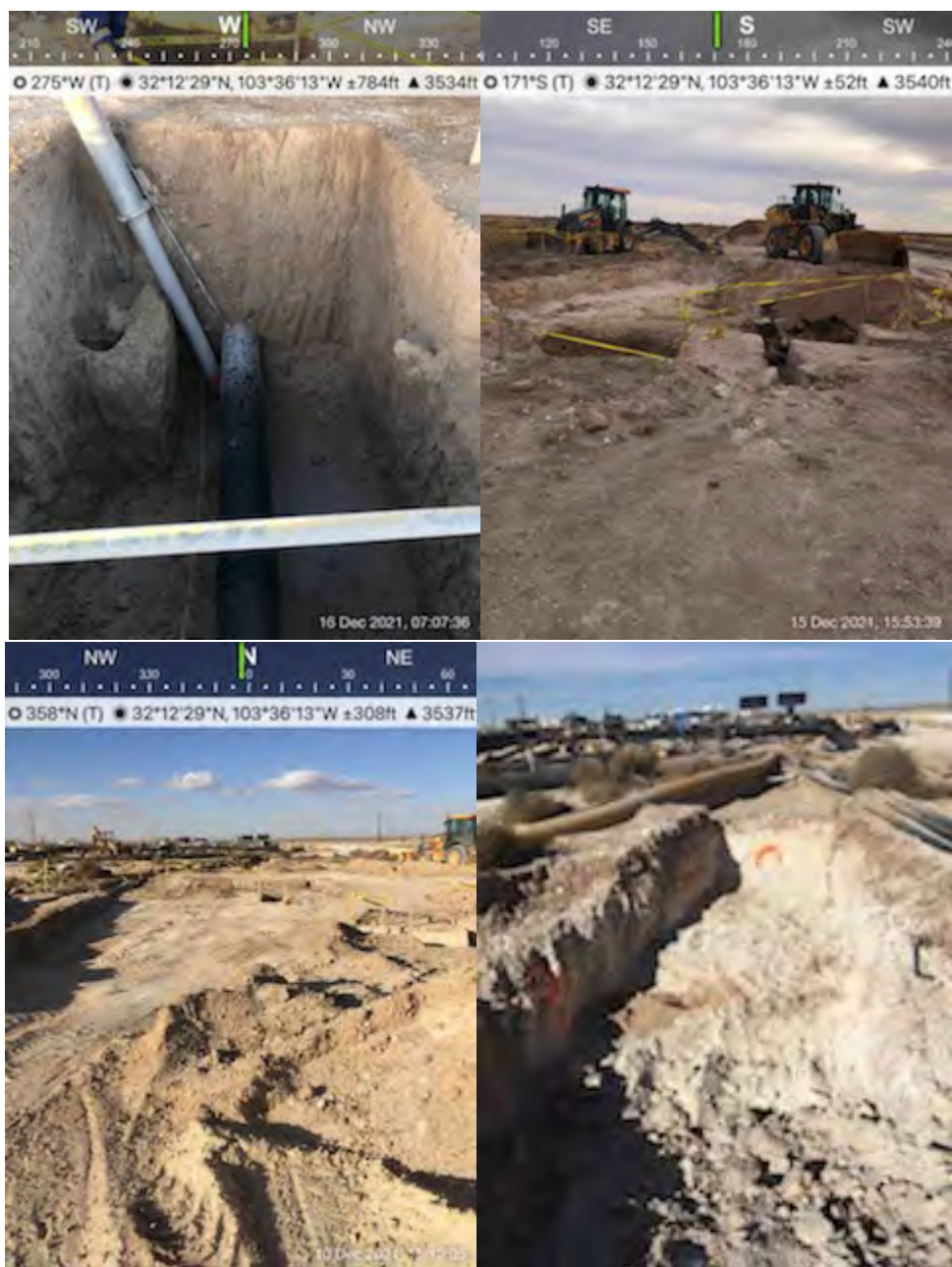












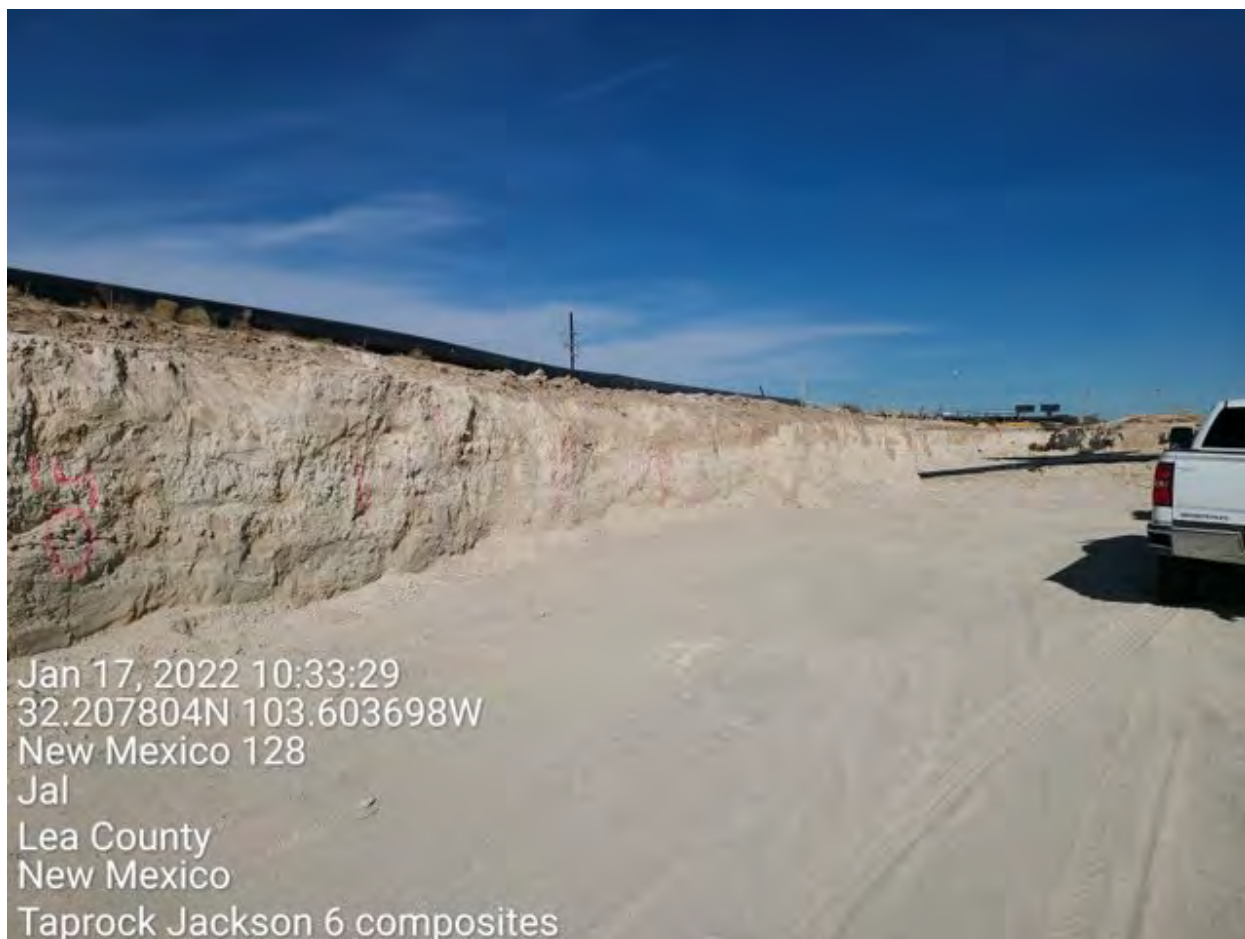










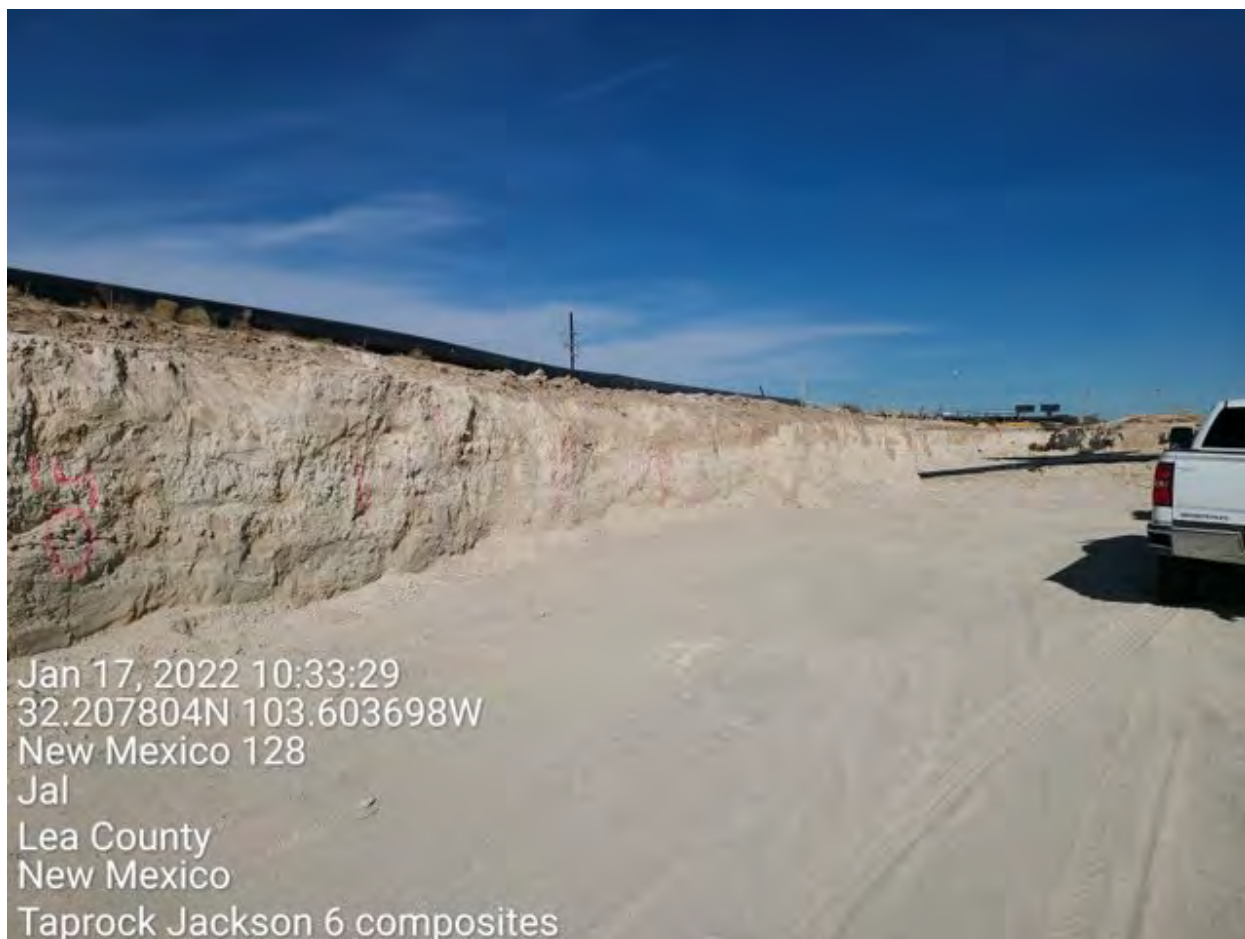


















BACKFILL PHOTOS



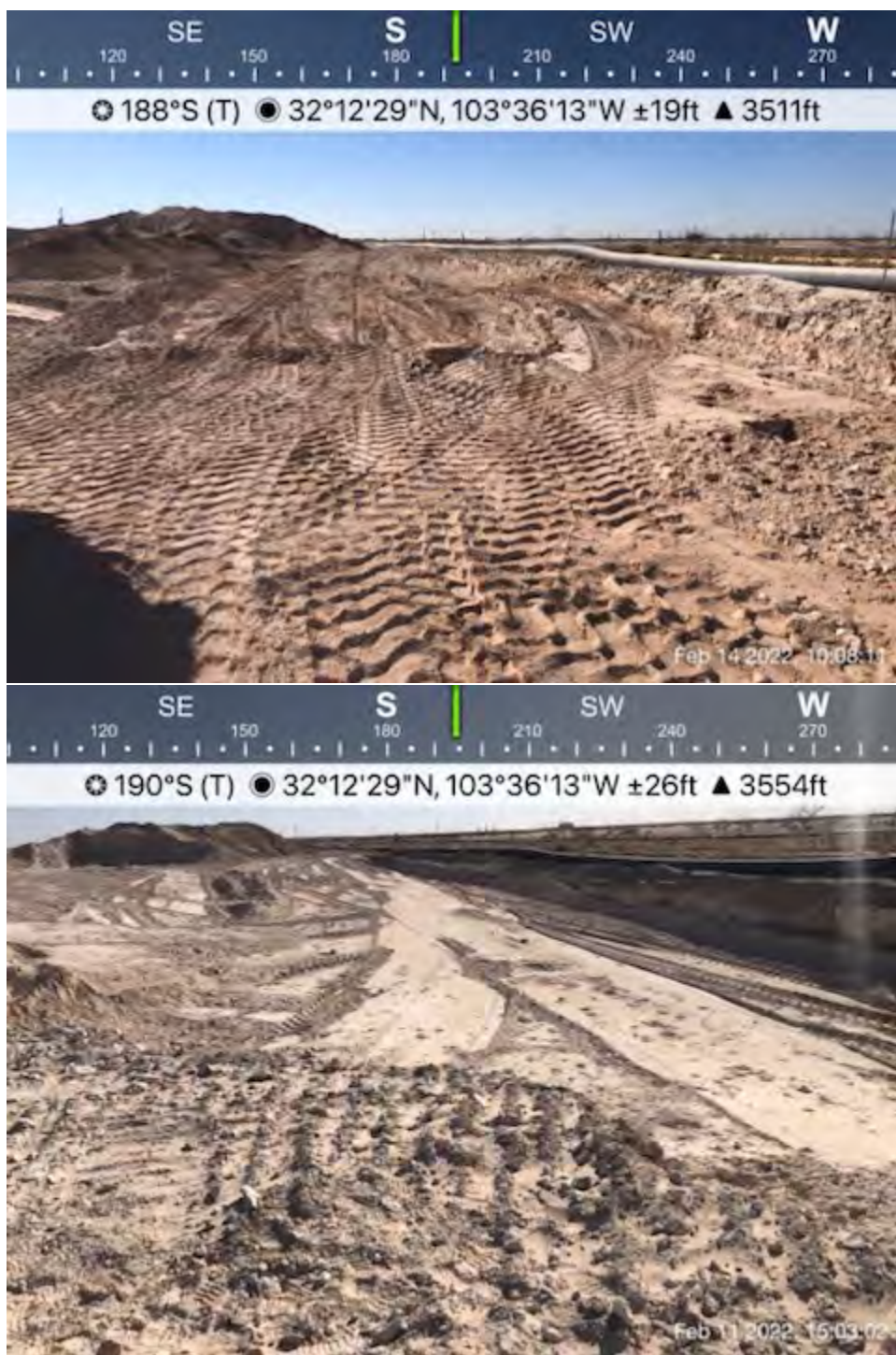








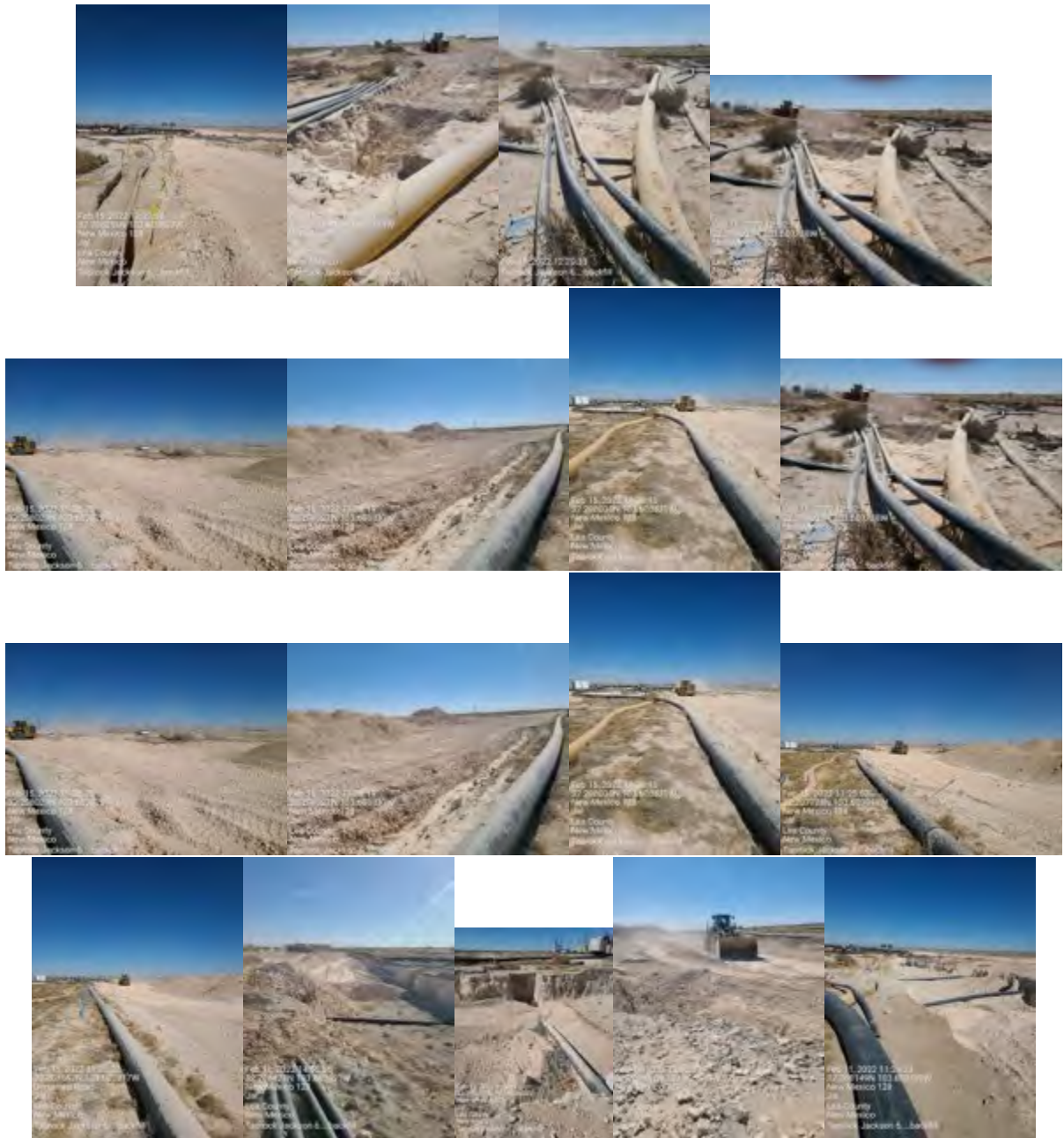


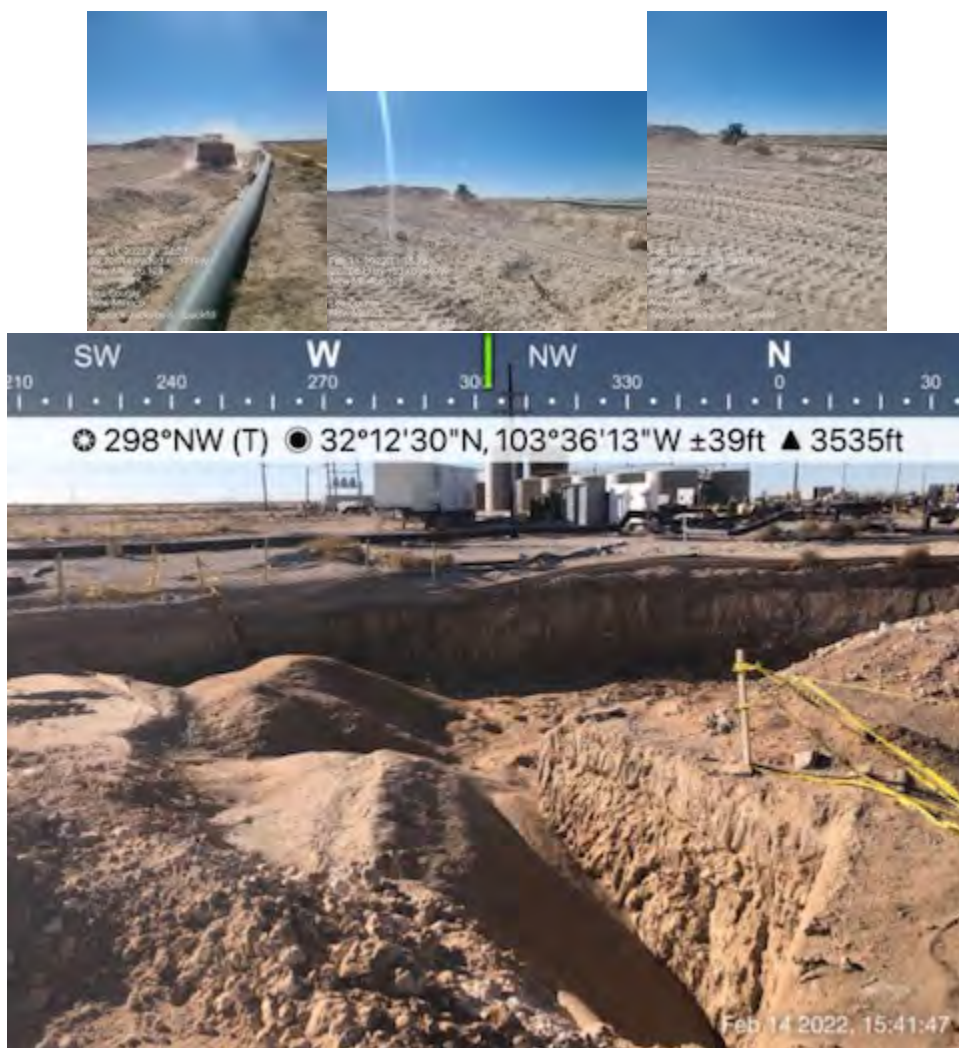














Incident ID	
District RP	
Facility ID	
Application ID	

## 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?	<50 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ 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.

Form C-141

State of New Mexico

Oil Conservation Division

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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.

Printed Name: Natalie Gladden Title: Director of Environmental and RegulatorySignature:  Date: 2/27/22email: natalie@energystaffingllc.com Telephone: 575-390-6397**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_



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.*

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ 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 Title: Director of Environmental and Regulatory

Signature:  Date: 2/27/22

email: natalie@energystaffingllc.com Telephone: 575-390-6397

### 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 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: \_\_\_\_\_

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

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

CONDITIONS  
  
Action 84556

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 84556
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	CLosure approved.	3/24/2022