Received by OCD: 7/14/2022 8:47:14 AM
Form C-141 State of New Mexico
Page 3 Oil Conservation Division

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Incident ID	
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This injormation must be provided to the appropriate district of taler than 20 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release?	unknown (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ⊠ No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
Characterization Report Checklist: Each of the following items must be included in the report.	
<ul> <li>         ⊠ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wellow Field data</li> <li>         ∑ Data table of soil contaminant concentration data</li> <li>         ∑ Depth to water determination     </li> </ul>	ls,

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.

Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release

Boring or excavation logs

Topographic/Aerial maps

Photographs including date and GIS information

Laboratory data including chain of custody

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## **Remediation Plan**

Remediation Plan Checklist: Each of the following items must be included in the plan.
<ul> <li>☑ Detailed description of proposed remediation technique</li> <li>☑ Scaled sitemap with GPS coordinates showing delineation points</li> <li>☑ Estimated volume of material to be remediated</li> <li>☑ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC</li> <li>☑ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)</li> </ul>
Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
Extents of contamination must be fully delineated.
Contamination does not cause an imminent risk to human health, the environment, or groundwater.
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: Latelie Gladden Title: Director of Env + Reg.
Signature: Date: 3/3/22
Printed Name: Latalie Gladden  Signature: Patolie Galadden  Date: 3/13/22  email: Latalie Genery Station 11c. com  Title: Director of Env + Reg.  Date: 5/15-390-4397
OCD Only
Received by: Date:
☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved
Signaturas Openilas, Nobius Data: 07/20/2022



# CONTEST FEDERAL COM #211H REMEDIATION WORKPLAN REQUEST

API NO. 30-025-46678
LEGALS: U/L P, SECTION 9, TOWNSHIP 24S, RANGE 34E
LEA COUNTY, NEW MEXICO

DATE OF RELEASE: 10/04/2020 INCIDENT NO. NAPP2127930986

July 12, 2022

**Prepared by:** 



July 12<sup>th</sup>, 2022

New Mexico Energy, Minerals & Natural Resources NMOCD District I C/O Mike Bratcher, Robert Hamlet & Chad Hensley 811 S. First Street Artesia, NM 88210

Bureau of Land Management C/O Jim Amos 620 E. Green Street Carlsbad, NM 88220

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

Subject: Remediation Workplan Request for Tap Rock Operating – Contest Federal Com #211H

API No. 30-025-46678
Incident No. NAPP2127930986
Unit Letter P, Section 9, Township 24 South, Range 34 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 Contest Federal Com #211H (hereafter referred to as the "Contest"), for the produced water release that occurred on October 4<sup>th</sup>, 2021. ESS provided the immediate notification of the release to the *New Mexico Oil Conservation Division (NMOCD)*, District I Office and to the *Bureau of Land Management (BLM)*. Notification was submitted via email on October 6<sup>th</sup>, 2021, at 6:12 a.m. On behalf of Tap Rock Operating, ESS submitted the initial C141 Release Notification, along with the spill calculator form used to determine the volume of the release (attached) on same said date. The NMOCD and the BLM accepted the initial C141 as record on same said date and assigned the NMOCD Incident ID Number of NAPP2127930986 to this release (Attached). On October 6<sup>th</sup>, the BLM contacted ESS to research the area for an Arch Survey. The survey was cleared on March 2, 2022. (See email attached).

This report provided a detailed description of the spill assessment, delineation that was conducted and remedial plan at the Contest and demonstrates that the delineation activities 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 remediation plan to obtain approval from the NMOCD for the proposed remediation of the above-mentioned release.

### **Incident Description**

On October 4<sup>th</sup> of 2021 at approximately 1 p.m., a release was found on a polyline due to a pinhole in the polyline. The fluid was released in the pasture. A vacuum truck was dispatched to the site, it was found that the fluid had soaked into the soil therefore, there was no fluid recovered.

ESS was notified immediately to conduct a full site assessment of the release. Upon arrival, the spill area was mapped out to measure the area of impact and initial site photos were obtained. With using the square footage of the release, Tap Rocks lost production was entered into the Spill Calculator Worksheet. An approximate total of 36.47bbls of produced water was released with no fluid recovery. The area of impact measured at 3,320 sq. ft. (Impact Map Attached)

### **Site Characterization**

The release at the Contest occurred on private surface and BLM minerals. The site is located at, latitude 32.226089 and longitude of -103.468278, 19.3 miles northwest of Jal, New Mexico. The legal description is Unit Letter P, Section 9, Township 24 South, and Range 34 East, in Lea County. Please see the site map attached.

The Contest consists of oil and gas production leases, this release was found in the pasture near a ROW (Right-of-Way), under electrical lines. Elevation of this site is 3,532ft. This area historically, has been primarily dominated by black grama, dropseed, bush muhly and other perennial grasses. Please find the attached Rangeland and Vegetation Classification information attached.

The United States Department of Agriculture Natural Resources Conservation Services, indicates that the soil type found in the area of the Contest, consists of 100% Berino-Cacique Association, hummocky. (Soil Map Attached). In the area of the Contest, the FEMA National Flood Hazard Layer indicates that there is a 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 Contest 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 Contest release area. 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 Contest 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 C03932 POD 13, the well was drilled in 2016, 1647' from the site, depth of the well is 90'bgs, but no water level data available. The next POD is C03943 POD1, was drilled in 2016, 2266' from the site, depth of well is 610' showing 431'bgs. C03932 POD3, drilled in 2006, 2947' from the site, depth of well is 100' with no water level data available. C03932 POD8, drilled in 2016, 3219' from the site, depth of well is 72' with no water level 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 a mile radius of the Contest release. ESS has requested permission from Quill ranch to drill a borehole between the Contest Federal Com 211H well and the release point, but access was denied. ConocoPhillips leases the land and ESS requested permission to drill a borehole, as directed by the Quill ranch and approval was not granted. Please find the NMOSE, OSE POD and the groundwater map attached to this report.

### **Closure Criteria Determination**

The Closure Criteria for Soils impacted by a Release is shown in the below chart. With no groundwater data available within a ½ a mile radius from the release point, being on Private and Federal Minerals the site fell under <50' to groundwater. The site being of "Low Karst" is not a determining factor in this case.

DGW	Constituent	Constituent Method			
≤ 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 soil at the Contest release site and that the protocol is consistent with the remediation/abatement goals and objectives set forth in the NMOCD Closure Criteria for Soils Impacted by a Release, dated August 14, 2018. This document provided direction for Tap Rock's initial response actions, site assessment and

delineation efforts conducted by ESS Staff. ESS would like to present to you the following information concerning the delineation process for the release detailed herein.

## **Soil Sampling Procedures**

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

- Collect clean samples in airtight glass jars supplied by the laboratory to conduct the analysis
- Each sample jar was labelled with site and sample information
- Samples were kept in and stored in a cool place and packed on ice
- Promptly ship sample to the lab for analysis following the chain of custody procedures

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

Volatile Organics by EPA 8021B

- Benzene, Toluene, Ethylbenzene, p.m. Xylene, o-Xylene and Total Xylenes Nonhalogenated Organics by EPA 8015D – GRO
  - Gasoline Range Organics (C6-C10)

Nonhalogenated Organics by EPA 8015D – DRO/ORO

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

Anions by EPA 300.0/9056A

Chloride

### **Release Investigation Data Evaluation**

On October 4<sup>th</sup> of 2021, ESS staff was dispatched out to the Contest release site, to complete a full site assessment of the release. Initial site photos were obtained, impact area was measured, and the following information was observed:

- The release was found in the pasture area due to a 4" surface poly line.
- The line was needed to be replaced due to visual worn areas. Line was immediately shut in.
- The release area is near a two-track road and flows underneath electrical ROW and lines.

- The hole in the line that released the fluid was at the bottom of the line up against the surface of the ground.
- The impacted area from the release onto the surface of the pasture area measured 3,320 sq. ft.

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

On November 15, ESS crews began the delineation process. The delineation of the site began by use of hand-auger, until it was determined that the release discovered at the Contest had been leaking for some time and eventually surfaced. A total of (17) vertical sample points were placed, and GPS Points were set and mapped along with (17) horizontal side walls. The surface samples that were obtained were field tested and submitted to Envirotech Laboratories for confirmation. Below you will find the confirmed surface sample analysis.

### **SURFACE LAB ANALYSIS**

SP ID	Depth	Titr	PID	L- BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
SP1	SURFACE	>4000	ND	ND	ND	ND	ND	ND	10800
SP2	SURFACE	>4000	ND	ND	ND	ND	ND	ND	14200
SP3	SURFACE	>4000	ND	ND	ND	ND	ND	ND	8160
SP4	SURFACE	>4000	1300	ND	ND	747	536	1283	16700
SP5	SURFACE	>4000	ND	ND	ND	ND	ND	ND	4220
SP6	SURFACE	>4000	<1000	ND	ND	164	151	315	19400
SP7	SURFACE	>4000	ND	ND	ND	ND	ND	ND	30700
SP8	SURFACE	>4000	ND	ND	ND	ND	ND	ND	12600
SP9	SURFACE	>4000	ND	ND	ND	ND	ND	ND	5140
SP10	SURFACE	>4000	ND	ND	ND	ND	ND	ND	12900
SP11	SURFACE	>4000	ND	ND	ND	ND	ND	ND	7320
SP12	SURFACE	>4000	ND	ND	ND	67.5	64.7	132.2	45000
SP13	SURFACE	>4000	ND	ND	ND	26.2	ND	26.2	10400
SP14	SURFACE	>4000	ND	ND	ND	ND	ND	ND	30800
SP15	SURFACE	480	ND	ND	ND	ND	ND	ND	ND
SP16	SURFACE	400	ND	ND	ND	ND	ND	ND	60.3
SP17	SURFACE	>4000	ND	ND	ND	ND	ND	ND	16800

ESS crews continued to delineate the site by use of a hand auger due to the overhead powerlines. ESS met with the I&E Department for Tap Rock. At this time, we were given clearance to excavate the sample points by use of hand auger and track-hoe. ESS crews delineated both horizontally and vertically. Samples were obtained and field evaluated. Once the bottom hole samples were clear of contaminates, they were jarred and submitted to Envirotech Laboratories for confirmation. Please find the vertical delineation field data along with the confirmed lab analysis:

## **VERTICAL BOTTOM HOLE SAMPLES**

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
SP1	5'	400	ND	ND	ND	ND	ND	ND	125
SP2B	5'	80	ND	ND	ND	ND	ND	ND	ND
SP2B	10'	200	ND	ND	ND	ND	ND	ND	156
SP2	13'	240	ND	ND	ND	ND	ND	ND	233
SP3B	5'	80	ND	ND	ND	ND	ND	ND	ND
SP3B	10'	1000	ND	ND	ND	ND	ND	ND	990
SP3B	15'	>4000	ND	ND	ND	ND	ND	ND	8310
SP3	21'	400	ND	ND	ND	ND	ND	ND	321
SP4B	5'	>4000	ND	ND	ND	ND	ND	ND	7970
SP4B	10'	>4000	ND	ND	ND	ND	ND	ND	7380
SP4B	15'	>4000	ND	ND	ND	ND	ND	ND	7320
SP4B	20'	3600	ND	ND	ND	ND	ND	ND	3330
SP4	25'	160	ND	ND	ND	ND	ND	ND	199
SP5	3'	320	ND	ND	ND	ND	ND	ND	330
SP6B	5'	>4000	ND	ND	ND	ND	ND	ND	7230
SP6B	10'	>4000	ND	ND	ND	ND	ND	ND	7510
SP6B	15'	>4000	ND	ND	ND	ND	ND	ND	7030
SP6B	20'	1380	ND	ND	ND	ND	ND	ND	1410
SP6	24'	40	ND	ND	ND	ND	ND	ND	40
SP7B	5'	>4000	ND	ND	ND	ND	ND	ND	8400
SP7B	10'	>4000	ND	ND	ND	ND	ND	ND	8370
SP7B	15'	400	ND	ND	ND	ND	ND	ND	371
SP7	19'	80	ND	ND	ND	ND	ND	ND	68.3
SP8	3'	500	ND	ND	ND	ND	ND	ND	499
SP9	3'	420	ND	ND	ND	ND	ND	ND	406
SP10	3'	400	ND	ND	ND	ND	ND	ND	358
SP11	5'	540	ND	ND	ND	ND	ND	ND	544
SP12B	5'	>4000	ND	ND	ND	ND	ND	ND	8480
SP12B	10'	>4000	ND	ND	ND	ND	ND	ND	7010
SP12B	15'	2000	ND	ND	ND	ND	ND	ND	1720
SP12B	18'	800	ND	ND	ND	25.5	ND	25.5	774
SP12	22'	60	ND	ND	ND	ND	ND	ND	ND
SP13B	51	>4000	ND	ND	ND	ND	ND	ND	6720
SP13B	10'	40	ND	ND	ND	ND	ND	ND	20
SP13B	18'	860	ND	ND	ND	ND	ND	ND	803
SP13	22'	40	ND	ND	ND	ND	ND	ND	ND
SP14B	5'	>4000	ND	ND	ND	ND	ND	ND	4860
SP14B	10'	3500	ND	ND	ND	ND	ND	ND	3530

SP14B	15'	1500	ND	ND	ND	ND	ND	ND	1390
SP14	19'	60	ND						
SP15	3'	460	ND	ND	ND	ND	ND	ND	466
SP16B	5'	4000	ND	ND	ND	ND	ND	ND	3840
SP16	9'	160	ND						
SP17B	5'	>4000	ND	ND	ND	ND	ND	ND	9070
SP17	91	400	ND						

<sup>\*\*</sup> Please note that the sample id's that contain a B, were requested by the NMOCD\*\* Crews went back out to the site to obtain samples in 5' increments, field tested and submitted to Envirotech Lab's for confirmation.

The impact area was then delineated horizontally, the samples were obtained, and field evaluated. Please find the field sample data and lab analysis below and attached to this report:

HORIZONTAL	DELINEATION	SAMPLE DATA
------------	-------------	-------------

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
SW1	SURFACE	3200	ND	ND	ND	ND	ND	ND	3500
SW1	6'	32	ND	ND	ND	ND	ND	ND	32.4
SW2	SURFACE	100	ND	ND	ND	ND	ND	ND	90.3
SW2	2'	40	ND	ND	ND	ND	ND	ND	ND
SW3	SURFACE	40	ND	ND	ND	ND	ND	ND	20.5
SW3	2'	40	ND	ND	ND	ND	ND	ND	ND
SW4	SURFACE	200	ND	ND	ND	ND	ND	ND	148
SW4	21	20	ND	ND	ND	ND	ND	ND	ND
SW5	SURFACE	60	ND	ND	ND	ND	ND	ND	ND
SW5	2'	20	ND	ND	ND	ND	ND	ND	ND
SW6	SURFACE	>4000	ND	ND	ND	ND	ND	ND	5820
SW6	2'	40	ND	ND	ND	ND	ND	ND	ND
SW7	SURFACE	40	ND	ND	ND	ND	ND	ND	ND
SW7	2'	40	ND	ND	ND	ND	ND	ND	ND
SW8	SURFACE	640	ND	ND	ND	ND	ND	ND	500
SW8	2'	60	ND	ND	ND	ND	ND	ND	ND
SW9	SURFACE	2300	ND	ND	ND	ND	ND	ND	2340
SW9	2'	20	ND	ND	ND	ND	ND	ND	ND
SW10	SURFACE	4000	ND	ND	ND	ND	ND	ND	3750
SW10	2'	40	ND	ND	ND	ND	ND	ND	ND
SW11	SURFACE	400	ND	ND	ND	ND	ND	ND	430
SW11	2'	ND	ND	ND	ND	ND	ND	ND	ND
SW12	SURFACE	>4000	ND	ND	ND	ND	ND	ND	16100
SW12	4'	40	ND	ND	ND	ND	ND	ND	22.7

SURFACE	40	ND	ND	ND	ND	ND	ND	22.7
2'	ND	ND	ND	ND	ND	ND	ND	ND
SURFACE	40	ND	ND	ND	ND	ND	ND	ND
2'	ND	ND	ND	ND	ND	ND	ND	ND
SURFACE	800	ND	ND	ND	ND	ND	ND	705
2'	ND	ND	ND	ND	ND	ND	ND	ND
SURFACE	>4000	ND	ND	ND	ND	ND	ND	6200
2'	20	ND	ND	ND	ND	ND	ND	20.9
SURFACE	>4000	ND	ND	ND	ND	ND	ND	13000
3'	60	ND	ND	ND	ND	ND	ND	63.1
	2' SURFACE 2' SURFACE 2' SURFACE 2' SURFACE	2' ND SURFACE 40 2' ND SURFACE 800 2' ND SURFACE >4000 2' 20 SURFACE >4000	2' ND ND SURFACE 40 ND 2' ND ND SURFACE 800 ND 2' ND ND SURFACE >4000 ND 2' 20 ND SURFACE >4000 ND	2'         ND         ND         ND           SURFACE         40         ND         ND           2'         ND         ND         ND           SURFACE         800         ND         ND           2'         ND         ND         ND           SURFACE         >4000         ND         ND           SURFACE         >4000         ND         ND           SURFACE         >4000         ND         ND	2'         ND         ND         ND         ND           SURFACE         40         ND         ND         ND         ND           2'         ND         ND         ND         ND         ND           SURFACE         800         ND         ND         ND         ND           2'         ND         ND         ND         ND           SURFACE         >4000         ND         ND         ND           SURFACE         >4000         ND         ND         ND	2'         ND         ND         ND         ND           SURFACE         40         ND         ND         ND         ND           2'         ND         ND         ND         ND         ND           SURFACE         800         ND         ND         ND         ND           2'         ND         ND         ND         ND         ND           SURFACE         >4000         ND         ND         ND         ND           SURFACE         >4000         ND         ND         ND         ND           SURFACE         >4000         ND         ND         ND         ND	2'         ND         ND         ND         ND         ND           SURFACE         40         ND         ND         ND         ND         ND           2'         ND         ND         ND         ND         ND         ND           SURFACE         800         ND         ND         ND         ND         ND           2'         ND         ND         ND         ND         ND         ND           SURFACE         >4000         ND         ND         ND         ND         ND           SURFACE         >4000         ND         ND         ND         ND         ND	2'         ND         ND<

During the horizontal sidewall delineation, it was found that SW1 did not clean up therefore SP16 was positioned, and then further horizontal delineation was completed until a clean sidewall was located.

### **Extension Request**

On December 20<sup>th</sup>, 2021, ESS requested an extension for the delineation portion of the process. On the 23<sup>rd</sup> of December, the extension request was approved to February 4<sup>th</sup> of 2022. At this time, we attempted to obtain approval from the landowner to drill a borehole to determine depth to groundwater. Another email was sent to the NMOCD to obtain another extension and this extension was denied on February 1<sup>st</sup>, 2022. We were given 30 days to submit a remediation or closure plan. Upon generating the remediation workplan it was observed that ESS was missing some final sample data, therefore another request was submitted and granted on March 2<sup>nd</sup>, extending the timeframe to March 17<sup>th</sup>. Please find the extension emails attached to this report.

### **Conclusion, Remediation Workplan Request**

After the delineation process was completed, it was determined that a borehole needed to be drilled to find the exact level of the water table. At this time, ESS reached out to the landowner for permission to drill a borehole near the release. This request was denied, and we were referred to ConocoPhillips as they lease the surface rights. Permission to drill was never approved.

The impacted area of the Contest has been fully delineated to the site characterization protocol for this area. The original surface impact area measured 3,320 sq. ft., after the site was fully delineated the impact area is 8,301 sq. ft. due to both horizonal and vertical migration of contaminates. This indicates that the line was leaking for some time before it surfaced. The impacted area was excavated to 4'bgs and hauled to Owl Disposal. A total of 1,232 cubic yards

of contaminated soil was excavated, loaded, and hauled to disposal. At this time Tap Rock and ESS would like to request the following:

- Obtain final composite samples at the 4' excavation depth, utilizing a variance in the
  composite square footage to 500 sq. ft. per composite, which would be a total of 17
  vertical bottom composites and 12 horizontal sidewall composites, instead of the
  standard 200 sq. ft. composite protocol. Five samples will be obtained per composite
  and individually assessed in the field, then combined for the final composite sample.
- Install a 40-mil liner at the bottom of the excavation and up the sidewalls of the excavation and capped in on the outside of the excavation at 4' below ground surface.
- An approximate total of 1,500 cubic yards of topsoil will be brought to the site for backfill.
- After backfilling of the site is complete, the disturbed area will be tilled and seeded with BLM #3 seed. This area will be watered down to ensure that proper vegetation is obtained.
- A final closure report will be submitted to the NMOCD and BLM upon completion of the remediation if approved.

This request is presented to the NMOCD and the BLM, as we are restricted in access between the two ROW's and the power lines around the area of impact. We will not be able to obtain OSHA benching protocol due to the lines in the ROW for the depths of contamination and the electrical/power poles, which will also restrict proper benching around the edges of the excavation.

On April 25<sup>th</sup>, ESS received a denial of the original workplan due to OCD wanting lab analysis in the areas where contamination was deep under the liner placement. Find Email Attached. ESS crews went backout to the site to obtain the samples that were requested, they were field tested and submitted to Envirotech Laboratories for confirmation. Please find the lab analysis attached herein.

On behalf of Tap Rock, this site has been fully delineated and excavated to 4'bgs, then will be lined with a 40-mil liner, backfilled, and seeded to ensure proper vegetation. The site is prepped for the polyurethane liner installation. This remediation will be done immediately upon approval of this workplan.

Thank you in advance for allowing the extension for the full delineation of this site. If you have any questions or concerns about the above remediation workplan, please contact the undersigned.

## Sincerely,

Patalie Gladden

**Director of Environmental and Regulatory Services** 

**Energy Staffing Services, LLC.** 

2724 NW County Road

Hobbs, NM 88240 Cell: 575-390-6397 Office: 575-393-9048

Email: natalie@energystaffingllc.com



### Attachments:

**Spill Notification** 

Initial C141 and Spill Calculator Form

**Impact Map** 

**Initial Site Photos** 

Site Map

Rangeland and Vegetation Classification

Soil Map

FEMA National Flood Hazard Layer Map

Karst Geology Map

Surface Water Map

**Groundwater Information** 

**Groundwater Map** 

**OSE POD Map** 

**Extension Emails** 

Delineation Sample Data (including inserts for Surface and Final Lab Analysis)

**Delineation Sample Map** 

Lab Analysis (including additional labs for delineation)

**Delineation Site Photos** 

**Excavation Site Map** 

**Excavation Site Photos** 

Work-plan Denial Email

Remediation Plan C141

### **Natalie Gladden**

From: natalie@energystaffingllc.com

Sent: Wednesday, October 6, 2021 7:12 AM

To: 'ocdonline, emnrd, EMNRD'; CFO\_Spill, BLM\_NM; Bratcher, Mike, EMNRD;

robert.hamlet@state.nm.us; 'Hensley, Chad, EMNRD'; Amos, James A

**Cc:** 'Christian Combs'

**Subject:** Tap Rock - Contest Federal Com #211H Release Notification

**Importance:** High

All,

On Monday October 4<sup>th</sup>, 2021; at approximately 1PM, a release was found on a poly line. Approximately 36.47bbls of produced water was released in the pasture area, with no recovery. A C141 will be submitted shortly following this email notification.

Thank you, if you have any questions please feel free to contact me at any time.

## Natalie Gladden

## **Director of Environmental and Regulatory Services**

**Energy Staffing Services, LLC.** 

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

Email: natalie@energystaffingllc.com



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

Responsible Party Tap Rock Operating

State of New Mexico Energy Minerals and Natural Resources Department

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

Incident ID	
District RP	
Facility ID	
Application ID	

## **Release Notification**

## **Responsible Party**

OGRID 372043

Contact Name Christian Combs Contact					Contact Telephone (720) 360-4028				
Contact ema	Contact email ccombs@taprk.com					Incident # (assigned by OCD)			
Contact mail	ling address	523 Park Point	Dr. #200	-1-					
			Locatio	n of Re	lease Sour	rce			
atitude 32.2	226089			L	ongitude -103.	.468278			
			(NAD 83 in		ees to 5 decimal pl				
Site Name C	ontest Fede	eral Com #211H			Site Type Prod	luction			
Date Release	Discovered	10/4/2020			API# (if applicable) 30-025-46678				
Unit Letter	Section	Township	Range		County				
P	9	24S	34E	Lea					
Surface Owne	er: State	Federal 7			ıme of Rel	lease	)		
	Matari	al(a) Dalaged (Salact	all that annly and atts	ach calculatio	ns or specific justil	fication for the volumes provid	ed below)		
Material(s) Released (Select all that apply and attach calculations or specific Crude Oil Volume Released (bbls)					Vo	olume Recovered (bbls)			
□ Produced	l Water	Volume Release	sed (bbls) 36.47		Vo	olume Recovered (bbls)	0		
		Is the concentr	ation of dissolved	in the	☐ Yes ☐ No				

## Cause of Release

Condensate

Natural Gas

Other (describe)

A pinhole was found in the poly line causing the release. A vacuum truck was sent out and fluid had soaked in therefore, there was no fluid recovered. Line was replaced.

Volume Recovered (bbls)

Volume Recovered (Mcf)

Volume/Weight Recovered (provide units)

produced water >10,000 mg/l?

Volume/Weight Released (provide units)

Volume Released (bbls)

Volume Released (Mcf)

Received by OCD: 7/14/2022 8:47:14 AM
Form C-141 State of New Mexico

Page 17 of 294

State of New Mexico
Oil Conservation Division

Page	2

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major	If YES, for what reason(s) does the responsible party consider this a major release?
release as defined by 19.15.29.7(A) NMAC?	Over 25bbls released
` ,	
✓ Yes	
If YES, was immediate no	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
Reported by Natalie Gla	ndden w/ESS by email on 10/6/21. Email was sent to the BLM and OCD.
	Initial Response
	•
The responsible į	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury
☐ The source of the rele	ease has been stonned
	s been secured to protect human health and the environment.
_ '	ave been contained via the use of berms or dikes, absorbent pads, or other containment devices.
<del></del>	ecoverable materials have been removed and managed appropriately.
	d above have not been undertaken, explain why:
If all the actions acceptable	a doo to have <u>need</u> occidentation, or primarily in
has begun, please attach	IAC the responsible party may commence remediation immediately after discovery of a release. If remediation a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the info	rmation 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 nent. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have
failed to adequately investig	ate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In
addition, OCD acceptance o and/or regulations.	f a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
Drintad Name: Natalia	Gladden Title: _Director of Environmental and Regulatory
Fillited NameNatalle	One of the state o
Signature:	lie Gradden Date: 10/16/21
email: _natalie@energys	staffingllc.com Telephone: _575-390-6397
OCD O-In	
OCD Only	
Received by:	Date:

Soil Type	Porosity	Length	Width	Depth (.083 per inch)	Cubic Feet	Estimated Barrels	Soil Type	
Clay	0.15	10	10	0.083	8.3	0.22	Clay	
Peat	0.40	10	10	0.083	8.3	0.59	Peat	
Glacial Sediments	0.13	10	10	0.083	8.3	0.19	Glacial Sediments	
Sandy Clay	0.12	10	10	0.083	8.3	0.18	Sandy Clay	
Silt	0.16	10	10	0.083	8.3	0.24	Silt	
Loess	0.25	10	10	0.083	8.3	0.37	Loess	
Fine Sand	0.16	127.6	40.09	0.25	1278.871	36.47	Fine Sand	
Medium Sand	0.25	10	10	0.083	8.3	0.37	Medium Sand	
Coarse Sand	0.26	10	10	0.083	8.3	0.38	Coarse Sand	
Gravely Sand	0.26	10	10	0.083	8.3	0.38	Gravely Sand	
Fine Gravel	0.26	10	10	0.083	8.3	0.38	Fine Gravel	
Medium Gravel	0.20	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	Х	10	10	0.083	8.3	1.48	Standing Liquids	

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

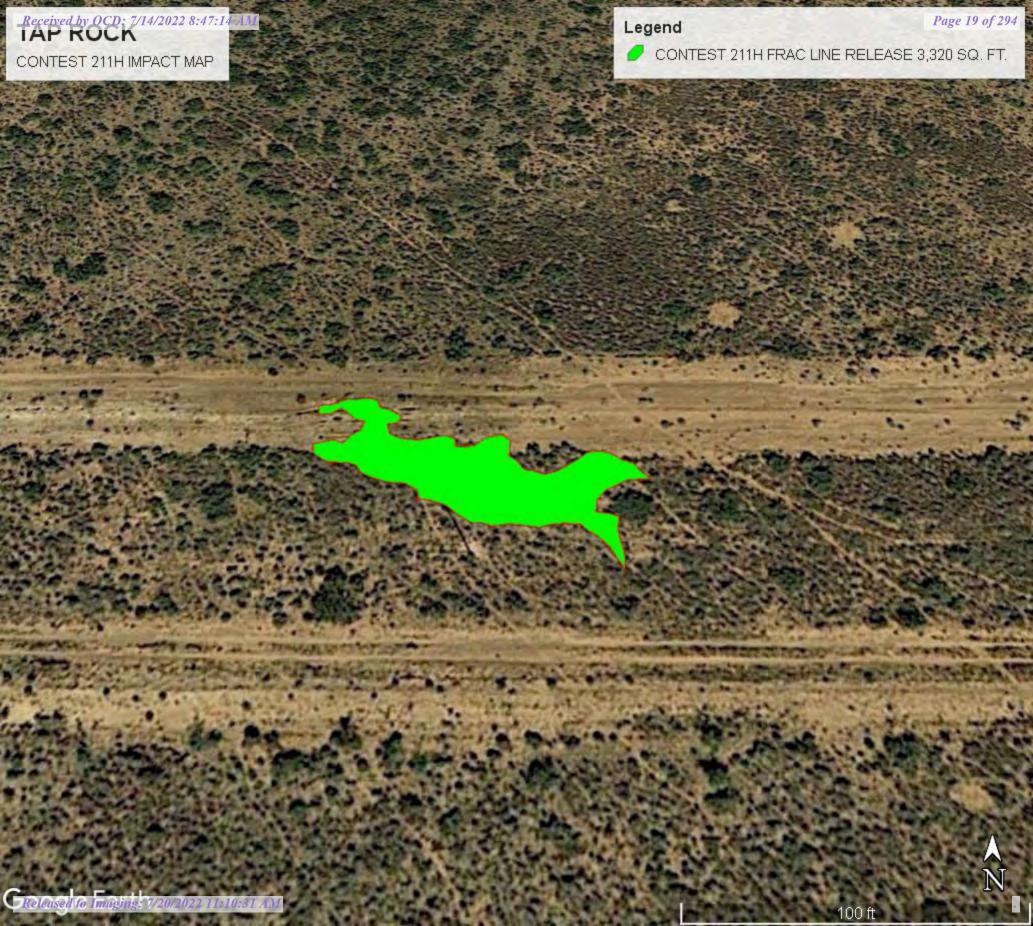
NOTE: This is an **estimate** tool designed for quick field estimates of whether a C-141 should be required (*l.e.* a release is estimated to be greater than or less than 5 barrel volumes)

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

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

Cubic Feet = L x W x D

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

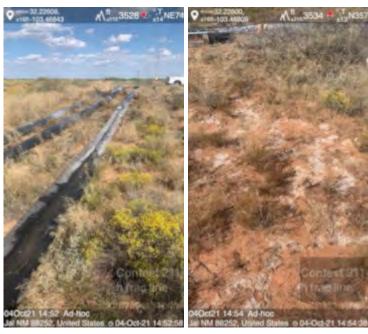


# TAP ROCK RESOURCES CONTEST 211H FRAC LINE

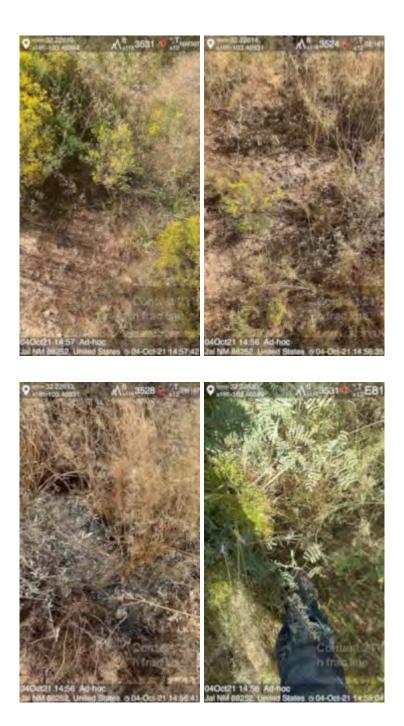


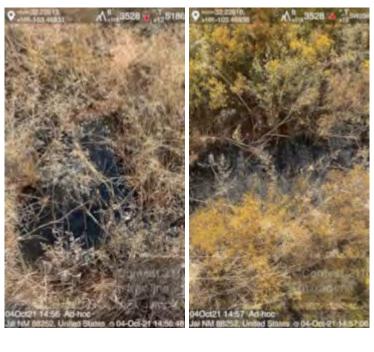


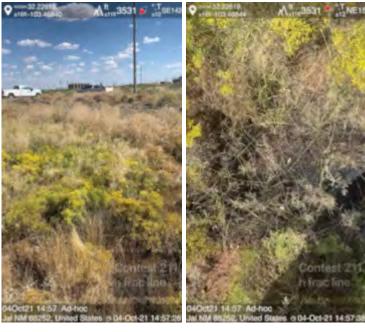






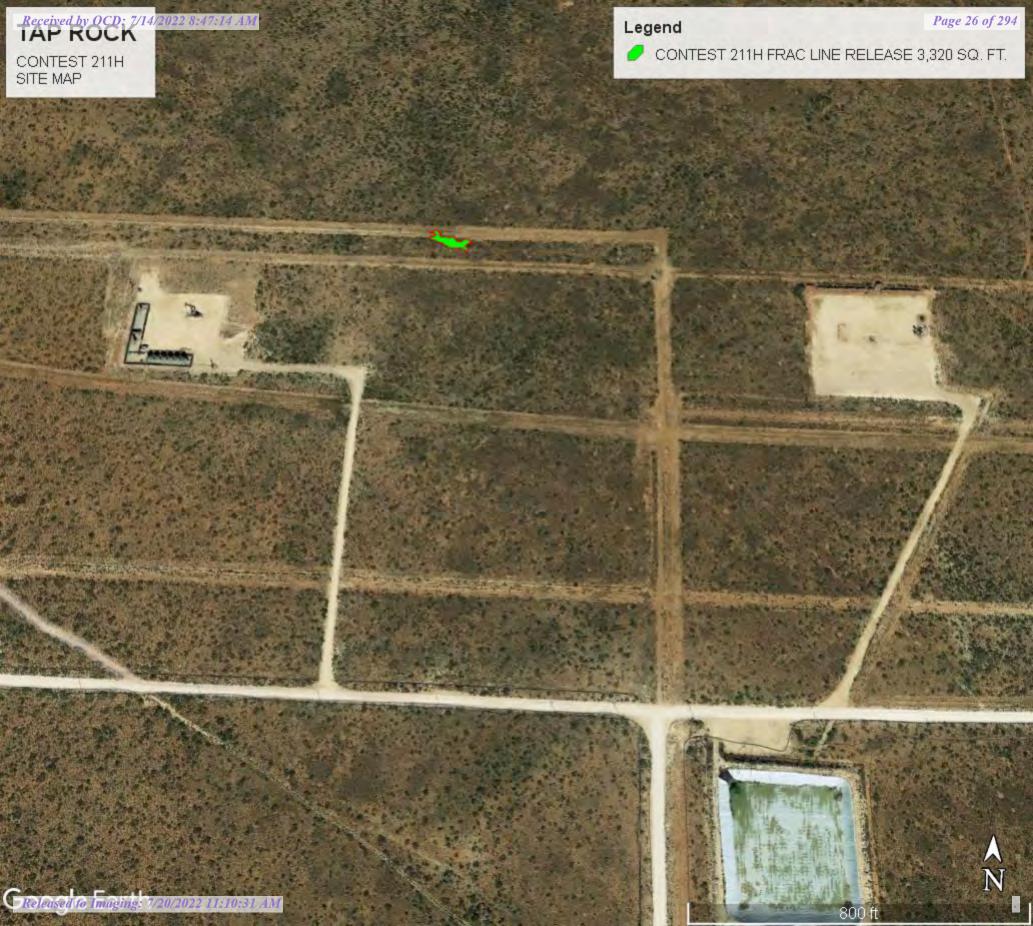












# Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition

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.

Contest Fed Com #211H

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.

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

Contest Fed Com #211H

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

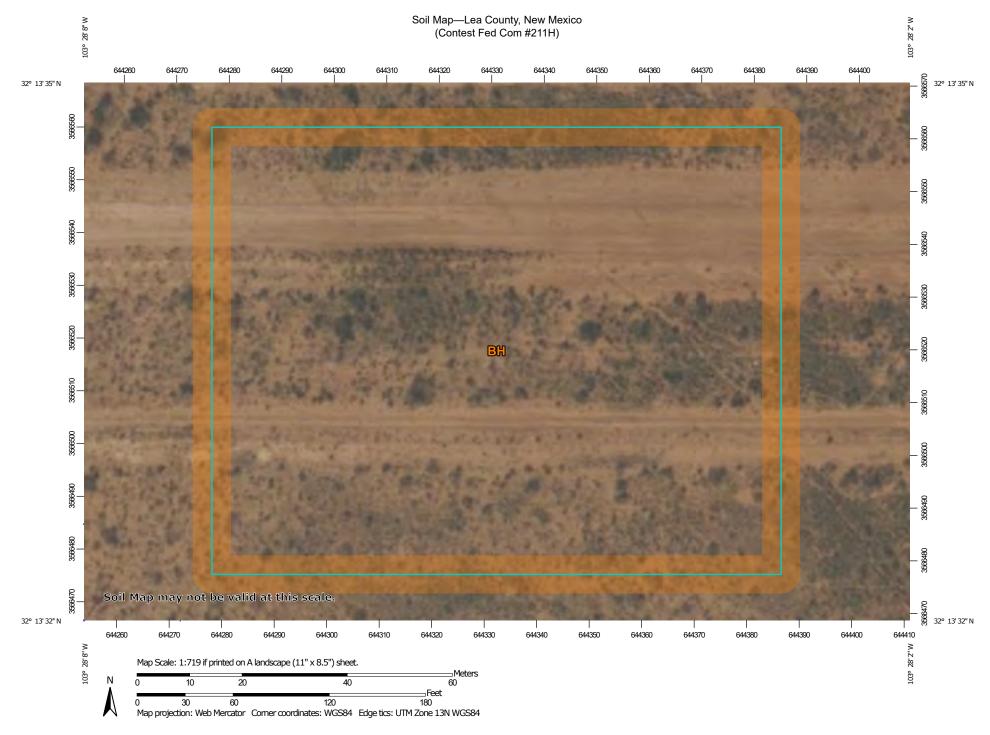
Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition–Lea County, New Mexico								
Map unit symbol and soil name	and soil Ecological Site, Plant Association, or Habitat Type Type Favorable year Total dry-weight production Characteristic rangela or forest understory vegetation	Total dry-weight production			Characteristic rangeland	Compositio		
name			n	Rangeland	Forest understory			
		Lb/ac	Lb/ac	Lb/ac		Pct dry wt	Pct dry wt	
BH—Berino-Cacique association, hummocky								
Berino	Loamy Sand	650	_	225	black grama	25		
	(R042XC003NM)				dropseed	15		
					other perennial grasses	15		
					bush muhly	10		
					annual grasses	5		
					cane bluestem	5		
					other shrubs	5		
					other annual forbs	5		
					other perennial forbs	5		
					soaptree yucca	5		
					threeawn	5		
Cacique	Sandy (R042XC004NM)	650	_	225	black grama	25		
					dropseed	15		
					other perennial grasses	15		
					bush muhly	10		
					annual grasses	5		
					cane bluestem	5		
					other shrubs	5		
					other annual forbs	5		
					other perennial forbs	5		
					threeawn	5		
					yucca	5		

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

Contest Fed Com #211H

## **Data Source Information**

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



### Soil Map—Lea County, New Mexico (Contest Fed Com #211H)

### 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  $\odot$ 



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



**Gravelly Spot** 



Landfill



Lava Flow



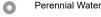
Marsh or swamp



Mine or Quarry



Miscellaneous Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot 0



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

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.

# **Map Unit Legend**

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
ВН	Berino-Cacique association, hummocky	2.3	100.0%
Totals for Area of Interest		2.3	100.0%

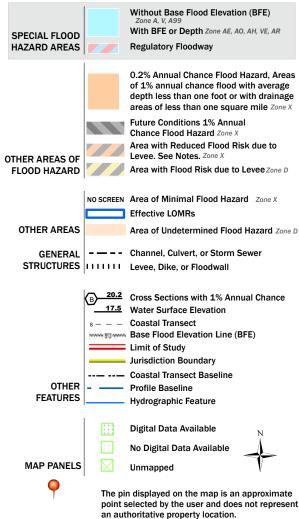
# Received by OCD: 7/14/2022 8:47:14 AM National Flood Hazard Layer FIRMette





## Legend

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

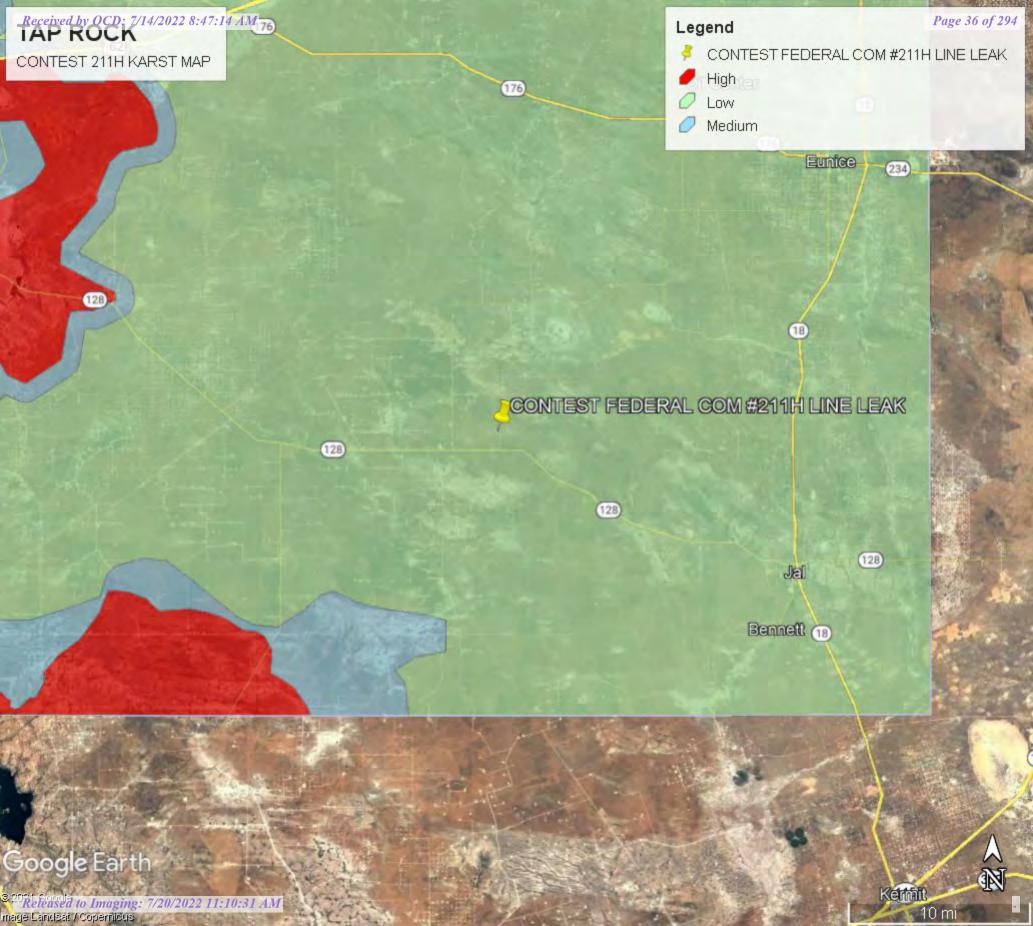


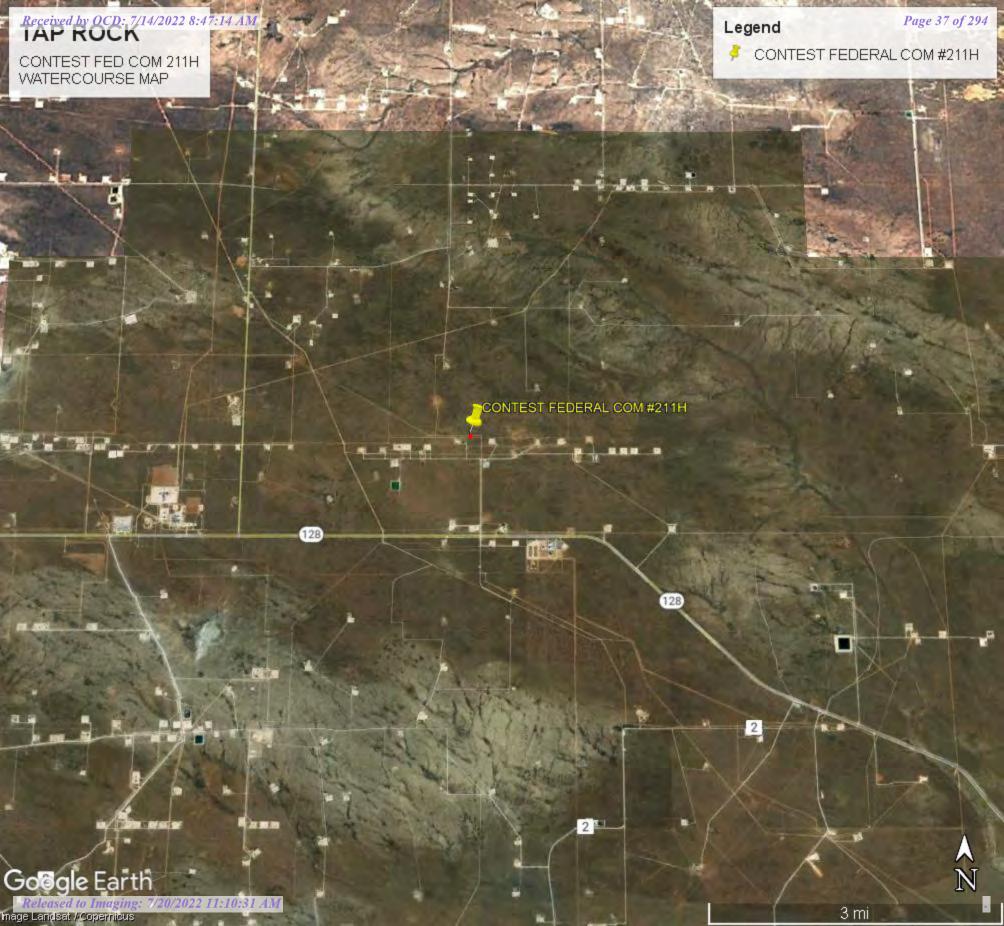
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/28/2022 at 5:56 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.







Received by OCD: 7/14/2022 8:47:14 AM



# New Mexico Office of the State Engineer

# **Wells with Well Log Information**

No wells found.

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

**Easting (X):** 644330.66 **Northing (Y):** 3566525.34 **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.

10/6/21 8:47 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	(R=PO) been re O=orph C=the f	placed, aned,	(quar	ters are 1=	NW 2=NE	E 3=SW	4=SE)								
water right	closed)			(quarters	are smalle	est to lar	gest)	(NAD83	UTM in meters	)			(in fe	et)	
POD Number	Code	POD Subbasin	County	Source	q q q 6416 4	Sec T	ws Rng	X	Y	Distance Start Date	Finish Date	Log File Date	Depth Well	Depth Water Driller	License Number
C 03932 POD13		CUB	LE		4 2 3	15 24	4S 34E	645314	3565203	1647 02/10/2016	02/11/2016	03/01/2016	90	LEE PETERSON	1222
<u>C 03943 POD1</u>		CUB	LE	Shallow	2 4 2	21 24	4S 34E	644523	3564266	2266 04/21/2016	04/24/2016	04/25/2016	610	431 JUSTIN MULLINS	1737
C 03932 POD3		CUB	LE		4 3 2	05 24	4S 34E	642442	3568787	2947 02/09/2016	02/10/2016	03/01/2016	100	LEE PETERSON	1222
C 03932 POD8		CUB	LE		4 2 4	07 24	4S 34E	641120	3566769	3219 02/08/2016	02/09/2016	03/01/2016	72	LEE PETERSON	1222
C 04458 POD1		CUB	LE		4 1 1	20 24	4S 34E	641549	3564532	3421 08/03/2020	08/03/2020	08/20/2020		0 ATKINS, JACKIE D.UELENER	1249
C 04282 POD1		C	LE	Shallow	1 2 1	05 24	4S 34E	641662	3569541	4027 11/19/2018	11/23/2018	03/27/2020	574	390 GLASSPOOLE, KRISTOPHER L.NER	1641
C 03620 POD1		CUB	LE	Shallow	1 4 3	32 23	3S 34E	641790	3569941	4257 04/10/2013	04/29/2013	06/18/2013	480	130 NORRIS, JOHN D. (LD)	1682
C 04014 POD1		CUB	LE	Shallow	1 1 3	06 24	4S 34E	639811	3568638	4989 02/13/2017	02/17/2017	03/03/2017	91	81 HAMMER, RODNEY	1186

Record Count: 8

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

**Easting (X):** 644330.66 **Northing (Y):** 3566525.34 **Radius:** 5000

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

1/26/22 2:14 PM WELLS WITH WELL LOG INFORMATION



(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 03932 POD3

4 3 2 05 24S 34E

642442 3568787

37 🌍

**Driller License:** 1222

Driller Company: PETERSON DRILLING & TESTING INC.

Driller Name: LEE PETERSON

**Drill Start Date:** 02/09/2016

**Drill Finish Date:** 02/10/2016

Plug Date:

**Log File Date:** 03/01/2016

PCW Rcv Date:

Source:

Pump Type:

**Casing Size:** 

Pipe Discharge Size:

Estimated Yield:

**Depth Well:** 100 feet **Depth Water:** 



(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

Υ X

C 03932 POD8

4 07 24S 34E

641120 3566769

**Driller License: 1222** 

**Driller Company: PETERSON DRILLING & TESTING INC.** 

**Driller Name:** LEE PETERSON

**Drill Start Date:** 02/08/2016

**Drill Finish Date:** 02/09/2016 Plug Date:

**Estimated Yield:** 

Log File Date: 03/01/2016 **PCW Rcv Date:** 

Pipe Discharge Size:

Source:

**Pump Type:** 

**Casing Size:** 

Depth Well: 72 feet

**Depth Water:** 



(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 03932 POD13

4 2 3 15 24S 34E

645314 3565203

ø

**Driller License:** 1222

**Driller Company:** PETERSON DRILLING & TESTING INC.

Driller Name: LEE PETERSON

**Drill Start Date:** 02/10/2016

**Drill Finish Date:** 02/11/2016

Plug Date:

**Log File Date:** 03/01/2016

PCW Rcv Date:

Source:

Pump Type: Pipe Discharge Size: Casing Size: Depth Well:

90 feet

**Depth Water:** 

**Estimated Yield:** 



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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number**  Q64 Q16 Q4 Sec Tws Rng

X

C 03943 POD1

2 21 24S 34E

644523 3564266

Driller Company: SHADE TREE DRILLING **Driller License: 1737** 

**Driller Name:** JUSTIN MULLINS

**Drill Start Date:** 04/21/2016

**Drill Finish Date:** 

04/24/2016

Plug Date:

Log File Date:

04/25/2016

**PCW Rcv Date:** 

Source: Shallow

**Pump Type:** 

Pipe Discharge Size:

Estimated Yield: 5 GPM

**Casing Size:** 

6.00

**Depth Well:** 

610 feet

**Depth Water:** 

431 feet

Water Bearing Stratifications:

**Top Bottom Description** 

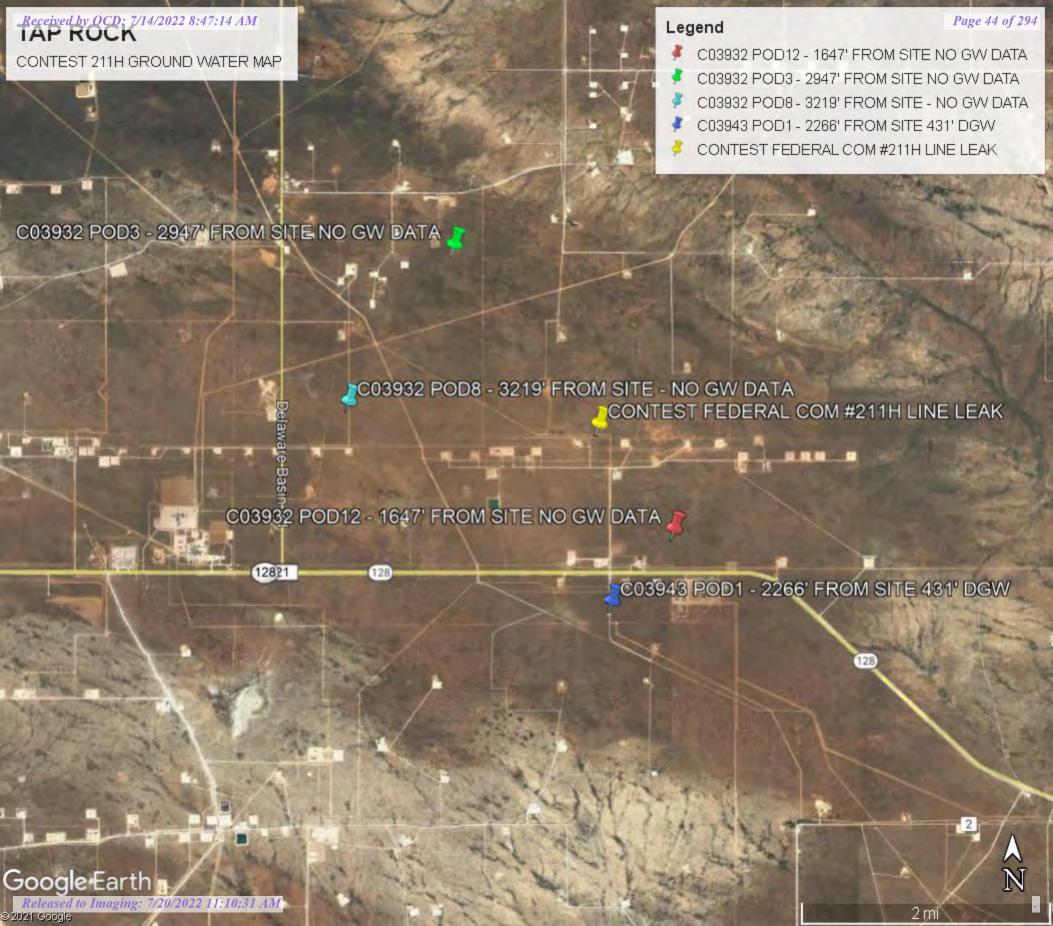
39

431 Sandstone/Gravel/Conglomerate

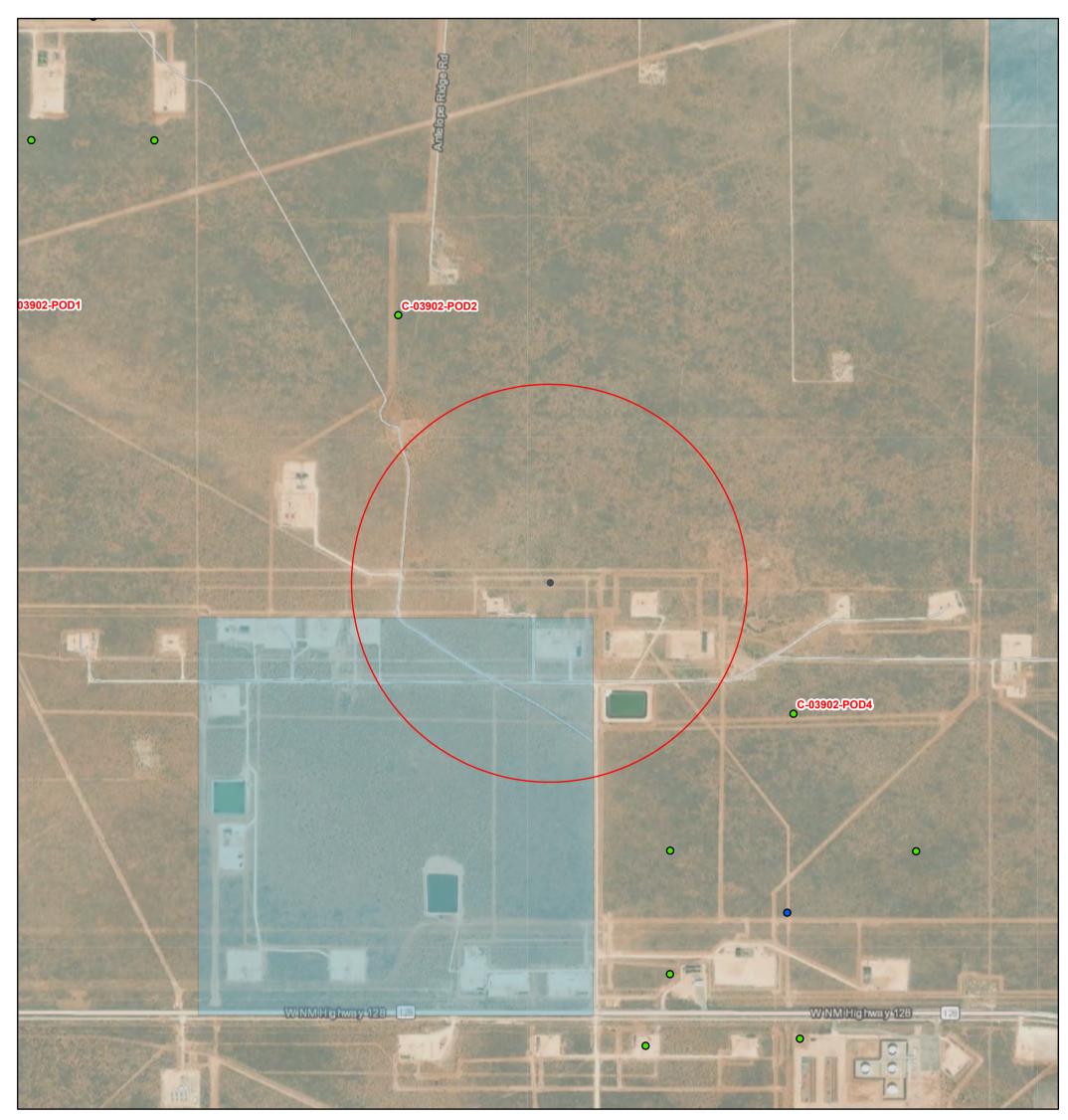
**Casing Perforations:** 

Top Bottom

420 480



# **OSE PUBLIC PRINT**



10/6/2021, 10:41:41 AM GIS WATERS PODs

- Active
- Pending

OSE District Boundary

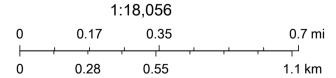
Water Right Regulations

Closure Area

New Mexico State Trust Lands

Both Estates

SiteBoundaries



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

From: natalie@energystaffingllc.com

**Sent:** Monday, December 20, 2021 12:18 PM

To: 'ocdonline, emnrd, EMNRD'; 'Hensley, Chad, EMNRD'; Bratcher, Mike, EMNRD;

robert.hamlet@state.nm.us

Cc: 'Bill Ramsey'; 'Christian Combs'

**Subject:** Extension Request - Contest 211H - Tap Rock

**Importance:** High

All,

On behalf of Tap Rock, ESS would like an extension on the below detailed release, due to the release being under powerlines and buried flowlines in the area of impact. The release information is below:

Incident No.: nAPP2127930986

DOR: 10/4/2020

Contest Federal Com 211H API No.: 30-025-46678

Please contact me if you have any questions.

### Natalie Gladden

**Director of Environmental and Regulatory Services** 

**Energy Staffing Services, LLC.** 

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



From: Natalie Gladden <natalie@energystaffingllc.com>

Sent: Thursday, December 23, 2021 1:51 PM

To: Hamlet, Robert, EMNRD

Cc: 'Bill Ramsey'; 'Christian Combs'; Bratcher, Mike, EMNRD; Hensley, Chad, EMNRD; Velez,

Nelson, EMNRD

Subject: Re: (Extension Approval) - Contest 211H - Tap Rock

Thank you and Merry Christmas.

Natalie Gladden

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

Sent: Thursday, December 23, 2021 1:37:49 PM

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

**Cc:** 'Bill Ramsey' <Bramsey@taprk.com>; 'Christian Combs' <ccombs@taprk.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Velez, Nelson, EMNRD

<Nelson.Velez@state.nm.us>

Subject: (Extension Approval) - Contest 211H - Tap Rock

RE: Incident #NAPP2127930986

#### Natalie,

Your request for an extension to February 4th, 2022 is approved.

Robert Hamlet • Environmental Specialist - Advanced

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

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



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

Sent: Monday, December 20, 2021 12:18 PM

To: ocdonline, emnrd, EMNRD <EMNRD.OCDOnline@state.nm.us>; Hensley, Chad, EMNRD

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

<Robert.Hamlet@state.nm.us>

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

Subject: [EXTERNAL] Extension Request - Contest 211H - Tap Rock

Importance: High

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

All,

On behalf of Tap Rock, ESS would like an extension on the below detailed release, due to the release being under powerlines and buried flowlines in the area of impact. The release information is below:

Incident No.: nAPP2127930986

DOR: 10/4/2020

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Please contact me if you have any questions.

## Natalie Gladden

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

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



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

Sent: Tuesday, February 1, 2022 9:13 AM

To: Natalie Gladden

Cc: 'Bill Ramsey'; 'Christian Combs'; Bratcher, Mike, EMNRD; Hensley, Chad, EMNRD; Velez,

Nelson, EMNRD; Dakoatah Montanez; Nobui, Jennifer, EMNRD

**Subject:** (Extension Denied) - Contest 211H - Tap Rock - NAPP2127930986

#### RE: Incident #NAPP2127930986

#### Natalie,

An extension for this release has already been granted. Your request for another extension is **denied**. **Operator** will have 30 days to submit a remediation/closure plan to the payment portal.

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



From: Natalie Gladden <natalie@energystaffingllc.com>

Sent: Monday, January 31, 2022 10:52 AM

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

**Cc:** 'Bill Ramsey' <Bramsey@taprk.com>; 'Christian Combs' <ccombs@taprk.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Velez, Nelson, EMNRD

<Nelson.Velez@state.nm.us>; Dakoatah Montanez <dakoatah@energystaffingllc.com>

Subject: [EXTERNAL] RE: (Extension Approval) - Contest 211H - Tap Rock

Importance: High

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

All,

The site has been fully delineated. We will be submitting a remediation workplan and possibly drill to find the correct water depth in this area, therefore we will need to request another extension. Thank you for your time in this matter.

Sincerely,

**Director of Environmental and Regulatory Services** 

Energy Staffing Services, LLC.

2724 NW County Road Hobbs, NM 88240 Cell: 575-390-6397 Office: 575-393-9048

Email: natalie@energystaffingllc.com



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

Sent: Thursday, December 23, 2021 1:38 PM

To: natalie@energystaffingllc.com

Cc: 'Bill Ramsey' < <a href="mailto:Bramsey@taprk.com">Bramsey@taprk.com</a>; 'Christian Combs' < <a href="mailto:ccombs@taprk.com">ccombs@taprk.com</a>; Bratcher, Mike, EMNRD < <a href="mailto:cmike.bratcher@state.nm.us">cmike.bratcher@state.nm.us</a>; Hensley, Chad, EMNRD < <a href="mailto:chad.Hensley@state.nm.us">chad.Hensley@state.nm.us</a>; Velez, Nelson, EMNRD

<Nelson.Velez@state.nm.us>

Subject: (Extension Approval) - Contest 211H - Tap Rock

RE: Incident #NAPP2127930986

Natalie,

Your request for an extension to February 4th, 2022 is approved.

Robert Hamlet • Environmental Specialist - Advanced

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



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

Sent: Monday, December 20, 2021 12:18 PM

To: ocdonline, emnrd, EMNRD < EMNRD.OCDOnline@state.nm.us >; Hensley, Chad, EMNRD

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

<Robert.Hamlet@state.nm.us>

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

Subject: [EXTERNAL] Extension Request - Contest 211H - Tap Rock

Importance: High

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

All,

On behalf of Tap Rock, ESS would like an extension on the below detailed release, due to the release being under powerlines and buried flowlines in the area of impact. The release information is below:

Incident No.: nAPP2127930986

DOR: 10/4/2020

Contest Federal Com 211H API No.: 30-025-46678

Please contact me if you have any questions.

## Natalie Gladden

**Director of Environmental and Regulatory Services** 

**Energy Staffing Services, LLC.** 

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



From:

Natalie Gladden

Sent:

Wednesday, March 2, 2022 8:00 AM

To:

Bratcher, Mike, EMNRD

Cc:

Christian Combs; 'Bill Ramsey'

Subject:

Tap Rock - Contest Federal Com 211H

Importance:

High

Mike,

Thank you for taking my call this morning. ESS will need to do further delineation on this site as we need a few more sample points to verify the remediation workplan that was due today. I apologize in advance for the delay. We are calling in the one-call today and will have the samples obtained and submitted to the lab immediately following the clearance of the one-call. We would like to request a two week extension to finalize the delineation of this site and submittal of the remediation workplan to you and the BLM.

Again, thank you for your understanding during this time.

## Natalie Gladden

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

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

Office: 575-393-9048



From: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

Sent: Wednesday, March 2, 2022 2:17 PM

To: Natalie Gladden

Cc: Christian Combs; 'Bill Ramsey'

Subject: RE: [EXTERNAL] Tap Rock - Contest Federal Com 211H

Natalie,

You are approved for the requested two week extension, to 3/17/2022. Please include a copy of this correspondence in remediation proposal/closure reports in order for it to be documented in the project file.

Thank you,

Mike Bratcher ● Incident Supervisor Environmental Bureau EMNRD - Oil Conservation Division 811S. First St. | Artesia, NM 88210 (575) 626-0857 | mike.bratcher@state.nm.us http://www.emnrd.state.nm.us/OCD/



From: Natalie Gladden <natalie@energystaffingllc.com>

Sent: Wednesday, March 2, 2022 8:00 AM

To: Bratcher, Mike, EMNRD < mike.bratcher@state.nm.us>

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

Subject: [EXTERNAL] Tap Rock - Contest Federal Com 211H

Importance: High

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

Mike,

Thank you for taking my call this morning. ESS will need to do further delineation on this site as we need a few more sample points to verify the remediation workplan that was due today. I apologize in advance for the delay. We are calling in the one-call today and will have the samples obtained and submitted to the lab immediately following the clearance of the one-call. We would like to request a two week extension to finalize the delineation of this site and submittal of the remediation workplan to you and the BLM.

Again, thank you for your understanding during this time.

## Natalie Gladden

### **Director of Environmental and Regulatory Services**

**Energy Staffing Services, LLC.** 

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

Office: 575-393-9048



Company Name: TAPROCK RESOURCES Location Name: CONTEST 211 H Release Date:

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Soil	Notes
SP1	SURFACE	>4000		ND	ND	ND	ND	ND	10800		
	1'	>4000									
	2'	>4000									
	3'	>4000									
	4'	560									
	5'	400		ND	ND	ND	ND	ND	125		
SP2	SURFACE	>4000		ND	ND	ND	ND	ND	14200		
	1'	>4000									
	2'	>4000									
	3'	>4000									
	5'	240									
SP2B	5'	80		ND	ND	ND	ND	ND	ND		NMOCD REQUESTED
	7'	>4000									
	9'	3520'									
SP2B	10'	200		ND	ND	ND	ND	ND	156		NMOCD REQUESTED
	11'	320									
	13'	240		ND	ND	ND	ND	ND	233		
SP3	SURFACE	>4000		ND	ND	ND	ND	ND	8160		
	1'	3280									
	2'	4000									
	3'	>4000									
	4'	>4000									
	5'	>4000									
SP3B	5'	80		ND	ND	ND	ND	ND	ND		NMOCD REQUESTED
	6'	>4000									
	7'	>4000									
	8'	>4000									
	9'	>4000									
	10'	>4000									

SP3B	10'	1000	ND	ND	ND	ND	ND	990	NMOCD REQUESTED
	11'	>4000							
	13'	>4000							
	15'	>4000							
SP3B	15'	>4000	ND	ND	ND	ND	ND	8310	NMOCD REQUESTED
	17'	>4000							
	19'	480							
	21'	400	ND	ND	ND	ND	ND	321	
SP4	SURFACE	>4000	ND	ND	747	536	1283	16700	
	1'	4000							
	2'	>4000							
	3'	4000							
	4'	>4000							
	5'	>4000							
SP4B	5'	>4000	ND	ND	ND	ND	ND	7970	NMOCD REQUESTED
	6'	>4000							
	7'	>4000							
	8'	>4000							
	9'	>4000							
	10'	>4000							
SP4B	10'	>4000	ND	ND	ND	ND	ND	7380	NMOCD REQUESTED
	11'	>4000							
	12'	>4000							
	13'	>4000							
	15'	>4000							
SP4B	15'	>4000	ND	ND	ND	ND	ND	7320	NMOCD REQUESTED
	17'	>4000							
	19'	2240							
SP4B	20'	3600	ND	ND	ND	ND	ND	3330	NMOCD REQUESTED
	21'	1440							
	23'	480							
	25'	160	ND	ND	ND	ND	ND	199	

SP5	SURFACE	>4000	ND	ND	ND	ND	ND	4220	
	1'	480							
	2'	320							
	3'	320	ND	ND	ND	ND	ND	330	
SP6	SURFACE	>4000	ND	ND	164	151	315	19400	
	1'	>4000							
	2'	>4000							
	3'	>4000							
	4'	>4000							
	5'	>4000							
SP6B	5'	>4000	ND	ND	ND	ND	ND	7230	NMOCD REQUESTED
	6'	>4000							
	7'	>4000							
	8'	>4000							
	9'	>4000							
	10'	>4000							
SP6B	10'	>4000	ND	ND	ND	ND	ND	7510	NMOCD REQUESTED
	11'	>4000							
	13'	>4000							
	15'	>4000							
SP6B	15'	>4000	ND	ND	ND	ND	ND	7030	NMOCD REQUESTED
	17'	>4000							
	19'	1280							
SP6B	20'	1380	ND	ND	ND	ND	ND	1410	NMOCD REQUESTED
	21'	1200							
	23'	240							
	24'	40	ND	ND	ND	ND	ND	ND	
SP7	SURFACE	>4000	ND	ND	ND	ND	ND	30700	
	1'	4000							
	2'	4000							
	3'	>4000							
	4'	>4000							

	5'	>4000							
SP7B	5'	>4000	ND	ND	ND	ND	ND	8400	NMOCD REQUESTED
	6'	>4000							
	7'	>4000							
	8'	>4000							
	9'	>4000							
	10'	>4000							
SP7B	10'	>4000	ND	ND	ND	ND	ND	8370	NMOCD REQUESTED
	11'	>4000							
	13'	1600							
	15'	880							
SP7B	15'	400	ND	ND	ND	ND	ND	371	NMOCD REQUESTED
	17'	160							
	19'	80	ND	ND	ND	ND	ND	68.3	
SP8	SURFACE	>4000	ND	ND	ND	ND	ND	12600	
	1'	560							
	2'	540							
	3'	500	ND	ND	ND	ND	ND	499	
SP9	SURFACE	>4000	ND	ND	ND	ND	ND	5140	
	1'	2000							
	2'	500							
	3'	420	ND	ND	ND	ND	ND	406	
SP10	SURFACE	>4000	ND	ND	ND	ND	ND	12900	
	1'	960							
	2'	480							
	3'	400	ND	ND	ND	ND	ND	358	
SP11	SURFACE	>4000	ND	ND	ND	ND	ND	7320	
	1'	960							
	2'	3200							
	3'	4000							

	4'	580							
	5'	540	ND	ND	ND	ND	ND	544	
SP12	SURFACE	>4000	ND	ND	67.5	64.7	132.2	45000	
	1'	4000							
	2'	>4000							
	3'	>4000							
	4'	>4000							
	5'	>4000							
SP12B	5'	>4000	ND	ND	ND	ND	ND	8480	NMOCD REQUESTED
	6'	3520							
	7'	>4000							
	8'	>4000							
	9'	>4000							
	10'	>4000							
SP12B	10'	>4000	ND	ND	ND	ND	ND	7010	NMOCD REQUESTED
	11'	>4000							
	12'	>4000							
	14'	2080							
SP12B	15'	2000	ND	ND	ND	ND	ND	1720	NMOCD REQUESTED
	16'	1120							
	18'	720							
SP12B	18'	800	ND	ND	ND	ND	ND	774	NMOCD REQUESTED
	20'	480							
	22'	60	ND	ND	ND	ND	ND	ND	
SP13	SURFACE	>4000	ND	ND	26.2	ND	26.2	10400	
	1'	>4000							
	2'	>4000							
	3'	>4000							
	4'	>4000							
	5'	>4000							
SP13B	5'	>4000	ND	ND	ND	ND	ND	6720	NMOCD REQUESTED
	6'	>4000							

	7'	>4000							
	8'	>4000							
	9'	>4000							
	10'	>4000							
SP13B	10'	40	ND	ND	ND	ND	ND	20	NMOCD REQUESTED
	12'	2480							
	14'	1920							
	16'	1280							
	18'	880							
SP13B	18'	860	ND	ND	ND	ND	ND	803	NMOCD REQUESTED
	20'	480							
	22'	40	ND	ND	ND	ND	ND	ND	
SP14	SURFACE	>4000	ND	ND	ND	ND	ND	30800	
	1'	>4000							
	2'	>4000							
	3'	>4000							
	4'	>4000							
	5'	>4000							
SP14B	5'	>4000	ND	ND	ND	ND	ND	4860	NMOCD REQUESTED
	6'	>4000							
	7'	>4000							
	8'	>4000							
	9'	>4000							
SP14B	10'	3500	ND	ND	ND	ND	ND	3530	NMOCD REQUESTED
	11'	1920							
	13'	1200							
	15'	720							
SP14B	15'	1500	ND	ND	ND	ND	ND	1390	NMOCD REQUESTED
	17'	400							
	19'	60	ND	ND	ND	ND	ND	ND	
SP15	SURFACE	480	ND	ND	ND	ND	ND	ND	
	1'	480							

	2'	480							
	3'	460	ND	ND	ND	ND	ND	466	
SP16	SURFACE	400	ND	ND	ND	ND	ND	60.3	
	1'	4000							
	2'	1280							
	3'	1280							
	5'	720							
SP16B	5'	4000	ND	ND	ND	ND	ND	3840	NMOCD REQUESTED
	7'	400							
	9'	160	ND	ND	ND	ND	ND	ND	
SP17	SURFACE	>4000	ND	ND	ND	ND	ND	16800	
	1'	>4000							
	2'	>4000							
	3'	>4000							
	4'	4000							
	5'	4000							
SP17B	5'	>4000	ND	ND	ND	ND	ND	9070	NMOCD REQUESTED
	6'	1840							
	7'	1200							
	8'	560							
	9'	400	ND	ND	ND	ND	ND	383	
SW1	SURFACE	3200	ND	ND	ND	ND	ND	3500	
	1'	3280							
	2'	>4000							
	3'	>4000							
	4'	>4000							
	5'	>4000							
	6'	3800							
	8'	>4000							
	10'	3200							
	12'	3800							

	14'	3280							
	16'	3800							
	20'	3000							
	22'	3200							
	24'	3000							INCEPTED CD4.6
0) 1/4	26'	3000						0.500	INSERTED SP16
SW1	SURFACE	3200	ND	ND	ND	ND	ND	3500	
	1'	3280							
	2'	640							
	3'	480							
	4'	800							
	5'	560							
	6'	32	ND	ND	ND	ND	ND	32.4	
SW2	SURFACE	100	ND	ND	ND	ND	ND	90.3	
	1'	400							
	2'	40	ND	ND	ND	ND	ND	ND	
SW3	SURFACE	40	ND	ND	ND	ND	ND	20.5	
	1'	400							
	2'	40	ND	ND	ND	ND	ND	ND	
SW4	SURFACE	200	ND	ND	ND	ND	ND	148	
	1'	360							
	2'	20	ND	ND	ND	ND	ND	ND	
SW5	SURFACE	60	ND	ND	ND	ND	ND	ND	
	1'	320							
	2'	20	ND	ND	ND	ND	ND	ND	
SW6	SURFACE	>4000	ND	ND	ND	ND	ND	5820	
	1'	360							
	2'	40	ND	ND	ND	ND	ND	ND	

SW7	SURFACE	40	ND	ND	ND	ND	ND	ND	
	1'	100							
	2'	80	ND	ND	ND	ND	ND	81	
SW8	SURFACE	640	ND	ND	ND	ND	ND	500	
	1'	400							
	2'	60	ND	ND	ND	ND	ND	ND	
SW9	SURF	2300	ND	ND	ND	ND	ND	2340	
	1'	240							
	2'	20	ND	ND	ND	ND	ND	ND	
SW10	SURF	4000	ND	ND	ND	ND	ND	3750	
	1'	240							
	2	40	ND	ND	ND	ND	ND	ND	
SW11	SURF	400	ND	ND	ND	ND	ND	430	
	1'	80							
	2'	ND	ND	ND	ND	ND	ND	ND	
SW12	SURF	>4000	ND	ND	ND	ND	ND	16100	
	1'	>4000							
	2'	>4000							
	3'	480							
	4'	40	ND	ND	ND	ND	ND	22.7	
	<b></b> -								
SW13	SURF	40	ND	ND	ND	ND	ND	29.7	
	1'	40							
	2'	ND	ND	ND	ND	ND	ND	ND	
0.444.5	01155								
SW14	SURF	40	ND	ND	ND	ND	ND	ND	
	1'	40							
	2'	ND	ND	ND	ND	ND	ND	ND	

SW15	SURF	800	ND	ND	ND	ND	ND	705	
31113	1'	400	110	110	110	110	110	703	
	2'	ND	ND	ND	ND	ND	ND	ND	
	_	140	140	140	140	140	140	140	
SW16	SURF	>4000	ND	ND	ND	ND	ND	6200	
	1'	1280							
	2'	240							
	3'	20	ND	ND	ND	ND	ND	20.9	
SW17	SURF	>4000	ND	ND	ND	ND	ND	13000	
	1'	3200							
	2'	400							
	3'	60	ND	ND	ND	ND	ND	63.1	
<u></u>	l					l			

Company Name: TAPROCK Location Name: CONTEST FC 211H Release Date: 10/4/2021

SURFACE LAB ANALYSIS

SP ID	Depth Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Soil	Notes
SP1	SURFACE	>4000	ND	ND	ND	ND	ND	ND	10800	30.11	itotes
SP2	SURFACE	>4000	ND	ND	ND	ND	ND	ND	14200		
SP3	SURFACE	>4000	ND	ND	ND	ND ND	ND	ND ND	8160		
SP4	SURFACE	>4000	1300	ND	ND	747		1283	16700		
SP5		>4000	ND			ND	536				
	SURFACE			ND	ND		ND	ND 245	4220		
SP6	SURFACE	>4000	<1000	ND	ND	164	151	315	19400		
SP7	SURFACE	>4000	ND	ND	ND	ND	ND	ND	30700		
SP8	SURFACE	>4000	ND	ND	ND	ND	ND	ND	12600		
SP9	SURFACE	>4000	ND	ND	ND	ND	ND	ND	5140		
SP10	SURFACE	>4000	ND	ND	ND	ND	ND	ND	12900		
SP11	SURFACE	>4000	ND	ND	ND	ND	ND	ND	7320		
SP12	SURFACE	>4000	ND	ND	ND	67.5	64.7	132.2	45000		
SP13	SURFACE	>4000	ND	ND	ND	26.2	ND	26.2	10400		
SP14	SURFACE	>4000	ND	ND	ND	ND	ND	ND	30800		
SP15	SURFACE	480	ND	ND	ND	ND	ND	ND	ND		
SP16	SURFACE	400	ND	ND	ND	ND	ND	ND	60.3		
SP17	SURFACE	>4000	ND	ND	ND	ND	ND	ND	16800		

Company Name: TAPROCK Location Name: CONTEST FC 211H Release Date: 10/4/2021

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

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Soil	Notes
SP1	5'	400	ND	ND	ND	ND	ND	ND	125		
SP2B	5'	80	ND	ND	ND	ND	ND	ND	ND		NMOCD REQUESTED
SP2B	10'	200	ND	ND	ND	ND	ND	ND	156		NMOCD REQUESTED
SP2	13'	240	ND	ND	ND	ND	ND	ND	233		,
SP3B	5'	80	ND	ND	ND	ND	ND	ND	ND		NMOCD REQUESTED
SP3B	10'	1000	ND	ND	ND	ND	ND	ND	990		NMOCD REQUESTED
SP3B	15'	>4000	ND	ND	ND	ND	ND	ND	8310		NMOCD REQUESTED
SP3	21'	400	ND	ND	ND	ND	ND	ND	321		
SP4B	5'	>4000	ND	ND	ND	ND	ND	ND	7970		NMOCD REQUESTED
SP4B	10'	>4000	ND	ND	ND	ND	ND	ND	7380		NMOCD REQUESTED
SP4B	15'	>4000	ND	ND	ND	ND	ND	ND	7320		NMOCD REQUESTED
SP4B	20'	3600	ND	ND	ND	ND	ND	ND	3330		NMOCD REQUESTED
SP4	25'	160	ND	ND	ND	ND	ND	ND	199		
SP5	3'	320	ND	ND	ND	ND	ND	ND	330		
SP6B	5'	>4000	ND	ND	ND	ND	ND	ND	7230		NMOCD REQUESTED
SP6B	10'	>4000	ND	ND	ND	ND	ND	ND	7510		NMOCD REQUESTED
SP6B	15'	>4000	ND	ND	ND	ND	ND	ND	7030		NMOCD REQUESTED
SP6B	20'	1380	ND	ND	ND	ND	ND	ND	1410		NMOCD REQUESTED
SP6	24'	40	ND	ND	ND	ND	ND	ND	40		
SP7B	5'	>4000	ND	ND	ND	ND	ND	ND	8400		NMOCD REQUESTED
SP7B	10'	>4000	ND	ND	ND	ND	ND	ND	8370		NMOCD REQUESTED
SP7B	15'	400	ND	ND	ND	ND	ND	ND	371		NMOCD REQUESTED
SP7	19'	80	ND	ND	ND	ND	ND	ND	68.3		
SP8	3'	500	ND	ND	ND	ND	ND	ND	499		
SP9	3'	420	ND	ND	ND	ND	ND	ND	406		
SP10	3'	400	ND	ND	ND	ND	ND	ND	358		
SP11	5'	540	ND	ND	ND	ND	ND	ND	544		
SP12B	5'	>4000	ND	ND	ND	ND	ND	ND	8480		NMOCD REQUESTED
SP12B	10'	>4000	ND	ND	ND	ND	ND	ND	7010		NMOCD REQUESTED
SP12B	15'	2000	ND	ND	ND	ND	ND	ND	1720		NMOCD REQUESTED
SP12B	18'	800	ND	ND	ND	25.5	ND	25.5	774		NMOCD REQUESTED

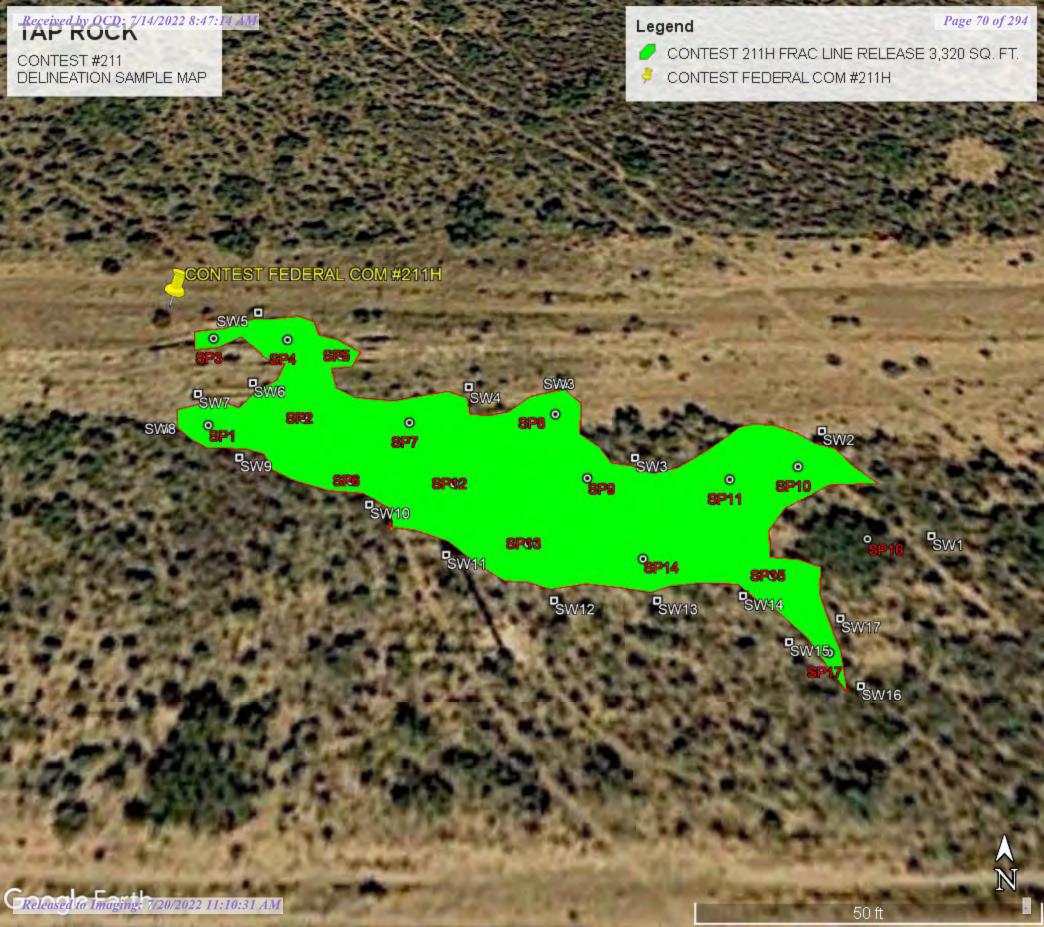
SP12B         22         00         ND	SP12	22'	60	ND							
SP13B         10'         40         ND         ND         ND         ND         ND         ND         20           SP13B         18'         860         ND											NIMOCD REQUESTED
SP13B         18'         860         ND         ND <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>NIVIOCO REQUESTED</td></t<>											NIVIOCO REQUESTED
SP13         22'         40         ND											NIMACCO DECLIECTED
SP14B         5'         >4000         ND         ND         ND         ND         ND         4860         NMOCD REQUESTED           SP14B         10'         3500         ND         <											NIVIOCD REQUESTED
SP14B         10'         3500         ND         <											NIMACO DECLIESTED
SP14B         15'         1500         ND         ND         ND         ND         ND         1390         NMOCD REQUESTED           SP14         19'         60         ND											
SP14         19'         60         ND			_								•
SP15         3'         460         ND         ND         ND         ND         ND         466           SP16B         5'         4000         ND											NMOCD REQUESTED
SP16B         5'         4000         ND         ND         ND         ND         ND         3840         NMOCD REQUESTED           SP16         9'         160         ND         ND         ND         ND         ND         ND           SP17B         5'         >4000         ND         ND         ND         ND         ND         9070											
SP16         9'         160         ND         ND         ND         ND         ND         ND           SP17B         5'         >4000         ND         ND         ND         ND         ND         ND         9070											NA 4000 DECUESTED
SP17B 5' >4000 ND ND ND ND ND ND 9070											NMOCD REQUESTED
SP17 9° 400 ND											
	SP17	9'	400	ND							

Company Name: TAPROCK Location Name: CONTEST FC 211H Release Date: 10/4/2021

### HORIZONTAL DELINEATION SAMPLE DATA

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Soil	Notes
										3011	Notes
SW1	SURFACE	3200	ND	ND	ND	ND	ND	ND	3500		
SW1	6'	32	ND	ND	ND	ND	ND	ND	32.4		
SW2	SURFACE	100	ND	ND	ND	ND	ND	ND	90.3		
SW2	2'	40	ND	ND	ND	ND	ND	ND	ND		
SW3	SURFACE	40	ND	ND	ND	ND	ND	ND	20.5		
SW3	2'	40	ND	ND	ND	ND	ND	ND	ND		
SW4	SURFACE	200	ND	ND	ND	ND	ND	ND	148		
SW4	2'	20	ND	ND	ND	ND	ND	ND	ND		
SW5	SURFACE	60	ND	ND	ND	ND	ND	ND	ND		
SW5	2'	20	ND	ND	ND	ND	ND	ND	ND		
SW6	SURFACE	>4000	ND	ND	ND	ND	ND	ND	5820		
SW6	2'	40	ND	ND	ND	ND	ND	ND	ND		
SW7	SURFACE	40	ND	ND	ND	ND	ND	ND	ND		
SW7	2'	40	ND	ND	ND	ND	ND	ND	ND		
SW8	SURFACE	640	ND	ND	ND	ND	ND	ND	500		
SW8	2'	60	ND	ND	ND	ND	ND	ND	ND		
SW9	SURFACE	2300	ND	ND	ND	ND	ND	ND	2340		
SW9	2'	20	ND	ND	ND	ND	ND	ND	ND		
SW10	SURFACE	4000	ND	ND	ND	ND	ND	ND	3750		
SW10	2'	40	ND	ND	ND	ND	ND	ND	ND		
SW11	SURFACE	400	ND	ND	ND	ND	ND	ND	430		
SW11	2'	ND	ND	ND	ND	ND	ND	ND	ND		
SW12	SURFACE	>4000	ND	ND	ND	ND	ND	ND	16100		
SW12	4'	40	ND	ND	ND	ND	ND	ND	22.7		
SW13	SURFACE	40	ND	ND	ND	ND	ND	ND	22.7		
SW13	2'	ND	ND	ND	ND	ND	ND	ND	ND		
SW14	SURFACE	40	ND	ND	ND	ND	ND	ND	ND		
SW14	2'	ND	ND	ND	ND	ND	ND	ND	ND		
SW15	SURFACE	800	ND	ND	ND	ND	ND	ND	705		
SW15	2'	ND	ND	ND	ND	ND	ND	ND	ND		
SW16	SURFACE	>4000	ND	ND	ND	ND	ND	ND	6200		

SW16	2'	20	ND	ND	ND	ND	ND	ND	20.9	
SW17	SURFACE		ND	ND	ND	ND	ND	ND	13000	
SW17	3'	60	ND	ND	ND	ND	ND	ND	63.1	



#### TAPROCK: CONTEST FEDERAL COM #211H

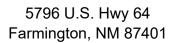
#### **DELINEATION SAMPLE DATA GPS INFO**

SAMPLE	LATITUDE	LONGITUDE
SP1	32.22613	-103.468453
SP2	32.226134	-103.468395
SP3	32.226185	-103.46846
SP4	32.226184	-103.468413
SP5	32.226174	-103.468377
SP6	32.226097	-103.468363
SP7	32.226131	-103.468331
SP8	32.226136	-103.468242
SP9	32.226099	-103.468225
SP10	32.226106	-103.4681
SP11	32.226098	-103.468282
SP12	32.226105	-103.468346
SP13	32.226063	-103.468259
SP14	32.226056	-103.468195
SP15	32.226047	-103.468124
SP16	32.226066	-103.468068
SP17	32.22601	-103.4681
SW1	32.226068	-103.468031
SW2	32.226127	-103.468082
SW3	32.226111	-103.468196
SW4	32.226153	-103.468295
SW5	32.226203	-103.468435
SW6	32.226156	-103.46843
SW7	32.226149	-103.468463
SW8	32.226127	-103.468478
SW9	32.22611	-103.46843
SW10	32.226084	-103.468351
SW11	32.226058	-103.468305
SW12	32.226035	-103.468245
SW13	32.226035	-103.468189
SW14	32.226037	-103.468142
SW15	32.226015	-103.468121
SW16	32.225995	-103.468087
SW17	32.226027	-103.468091

Report to:

Natalie Gladden





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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

Tap Rock

Project Name: Contest 211 H

Work Order: E111134

Job Number: 20046-0001

Received: 11/23/2021

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/24/21

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

Date Reported: 11/24/21

Natalie Gladden 7 W. Compress Road Artesia, NM 88210

Project Name: Contest 211 H

Workorder: E111134

Date Received: 11/23/2021 12:00:00PM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/23/2021 12:00:00PM, under the Project Name: Contest 211 H.

The analytical test results summarized in this report with the Project Name: Contest 211 H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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Envirotech Web Address: www.envirotech-inc.com

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## Sample Summary

Tap Rock	Project Name:	Contest 211 H	Donoutod
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/21 13:28

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP1-Surf	E111134-01A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.
SP2-Surf	E111134-02A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.
SP3-Surf	E111134-03A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.
SP4-Surf	E111134-04A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.
SP5-Surf	E111134-05A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.
SP6-Surf	E111134-06A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.
SP7-Surf	E111134-07A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.
SP8-Surf	E111134-08A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.
SP9-Surf	E111134-09A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.
SP10-Surf	E111134-10A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.
SP11-Surf	E111134-11A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.
SP12-Surf	E111134-12A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.
SP13-Surf	E111134-13A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.
SP14-Surf	E111134-14A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.
SP15-Surf	E111134-15A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.
SP16-Surf	E111134-16A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.
SP17-Surf	E111134-17A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.
SP1-5'	E111134-18A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/2021 1:28:30PM

#### SP1-Surf E111134-01

		E111134-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2148015
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
o-Xylene	ND	0.0250	1	11/23/21	11/23/21	
p,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		91.8 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	Analyst: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.0 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2148014
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		119 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: IY		Batch: 2148016
Chloride	10800	400	20	11/23/21	11/24/21	



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/2021 1:28:30PM

#### SP2-Surf E111134-02

		2111104 02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2148015
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
p-Xylene	ND	0.0250	1	11/23/21	11/23/21	
o,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		94.3 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.9 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2148014
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		120 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: IY		Batch: 2148016
Chloride	14200	400	20	11/23/21	11/24/21	



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/2021 1:28:30PM

#### SP3-Surf E111134-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2148015
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
o-Xylene	ND	0.0250	1	11/23/21	11/23/21	
p,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		95.2 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	Analyst: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: JL		Batch: 2148014
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		116 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2148016
Chloride	8160	400	20	11/23/21	11/24/21	



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/2021 1:28:30PM

#### SP4-Surf E111134-04

		EIIIIOT OT				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2148015
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
o-Xylene	ND	0.0250	1	11/23/21	11/23/21	
p,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		94.5 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2148014
Diesel Range Organics (C10-C28)	747	25.0	1	11/23/21	11/23/21	
Oil Range Organics (C28-C36)	536	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		114 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2148016
Chloride	16700	1000	50	11/23/21	11/24/21	



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/2021 1:28:30PM

#### SP5-Surf E111134-05

		E111134-05				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
<u> </u>				1	, 4	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: RKS		Batch: 2148015
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
o-Xylene	ND	0.0250	1	11/23/21	11/23/21	
p,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		96.5 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2148014
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		108 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2148016
Chloride	4220	100	5	11/23/21	11/24/21	



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/2021 1:28:30PM

#### SP6-Surf E111134-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2148015
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
o-Xylene	ND	0.0250	1	11/23/21	11/23/21	
p,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		96.4 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2148014
Diesel Range Organics (C10-C28)	164	25.0	1	11/23/21	11/23/21	
Oil Range Organics (C28-C36)	151	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		113 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: IY		Batch: 2148016
Chloride	19400	1000	50	11/23/21	11/24/21	·



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/2021 1:28:30PM

#### SP7-Surf E111134-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2148015
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
o-Xylene	ND	0.0250	1	11/23/21	11/23/21	
p,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		97.4 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2148014
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		122 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: IY		Batch: 2148016
Chloride	30700	2000	100	11/23/21	11/24/21	



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/2021 1:28:30PM

### SP8-Surf

E111134-08						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2148015
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
o-Xylene	ND	0.0250	1	11/23/21	11/23/21	
p,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		98.3 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2148014
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		60.1 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: IY		Batch: 2148016
Chloride	12600	400	20	11/23/21	11/24/21	



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/2021 1:28:30PM

#### SP9-Surf E111134-09

	EIIIIO4 07				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2148015
ND	0.0250	1	11/23/21	11/23/21	
ND	0.0250	1	11/23/21	11/23/21	
ND	0.0250	1	11/23/21	11/23/21	
ND	0.0250	1	11/23/21	11/23/21	
ND	0.0500	1	11/23/21	11/23/21	
ND	0.0250	1	11/23/21	11/23/21	
	96.8 %	70-130	11/23/21	11/23/21	
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2148015
ND	20.0	1	11/23/21	11/23/21	
	103 %	70-130	11/23/21	11/23/21	
mg/kg	mg/kg	Anal	yst: JL		Batch: 2148014
ND	25.0	1	11/23/21	11/23/21	
ND	50.0	1	11/23/21	11/23/21	
	93.5 %	50-200	11/23/21	11/23/21	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2148016
5140	100	5	11/23/21	11/24/21	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result         Reporting Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           MD         0.0250           MD         20.0250           MB/kg         mg/kg           MB/kg         mg/kg           ND         20.0           103 %         mg/kg           ND         25.0           ND         50.0           93.5 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           96.8 %         70-130           mg/kg         mg/kg         Anal           ND         20.0         1           103 %         70-130           mg/kg         mg/kg         Anal           ND         25.0         1           ND         50.0         1           93.5 %         50-200           mg/kg         Mg/kg         Anal	Reporting           Result         Limit         Dilution         Prepared           mg/kg         Manalyst: RKS           ND         0.0250         1         11/23/21           ND         0.0250         1         11/23/21           ND         0.0250         1         11/23/21           ND         0.0250         1         11/23/21           ND         0.0500         1         11/23/21           ND         0.0250         1         11/23/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         11/23/21           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         11/23/21           ND         50.0         1         11/23/21           ND         50.0         1         11/23/21           ND         50.0         1         11/23/21           mg/kg         mg/kg         Analyst: JL	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         11/23/21         11/23/21           ND         0.0250         1         11/23/21         11/23/21           ND         0.0250         1         11/23/21         11/23/21           ND         0.0500         1         11/23/21         11/23/21           ND         0.0250         1         11/23/21         11/23/21           MD         0.0250         1         11/23/21         11/23/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         11/23/21         11/23/21           mg/kg         mg/kg         Analyst: JL         11/23/21         11/23/21           ND         25.0         1         11/23/21         11/23/21           ND         50.0         1         11/23/21         11/23/21           ND         50.0         1         11/23/21         11/23/21           ND         50.0         1         11/23/21         11/23/21           ND         5



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/2021 1:28:30PM

#### SP10-Surf E111134-10

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: RKS		Batch: 2148015
ND	0.0250	1	11/23/21	11/23/21	
ND	0.0250	1	11/23/21	11/23/21	
ND	0.0250	1	11/23/21	11/23/21	
ND	0.0250	1	11/23/21	11/23/21	
ND	0.0500	1	11/23/21	11/23/21	
ND	0.0250	1	11/23/21	11/23/21	
	97.5 %	70-130	11/23/21	11/23/21	
mg/kg	mg/kg	Analy	rst: RKS		Batch: 2148015
ND	20.0	1	11/23/21	11/23/21	
	101 %	70-130	11/23/21	11/23/21	
mg/kg	mg/kg	Analy	rst: JL		Batch: 2148014
ND	25.0	1	11/23/21	11/23/21	
ND	50.0	1	11/23/21	11/23/21	
	117 %	50-200	11/23/21	11/23/21	
mg/kg	mg/kg	Analy	rst: IY		Batch: 2148016
12900	400	20	11/23/21	11/24/21	
	mg/kg ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         0.0250           97.5 %         mg/kg           mg/kg         mg/kg           ND         20.0           101 %         mg/kg           ND         25.0           ND         50.0           117 %         mg/kg           mg/kg         mg/kg	mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           97.5 %         70-130           mg/kg         mg/kg         Analy           ND         20.0         1           101 %         70-130         1           mg/kg         mg/kg         Analy           ND         25.0         1           ND         50.0         1           117 %         50-200           mg/kg         mg/kg         Analy	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         11/23/21           ND         0.0250         1         11/23/21           ND         0.0250         1         11/23/21           ND         0.0500         1         11/23/21           ND         0.0500         1         11/23/21           ND         0.0250         1         11/23/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         11/23/21           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         11/23/21           ND         50.0         1         11/23/21           ND         50.0         1         11/23/21           ND         50.0         1         11/23/21           ND         50.0         1         11/23/21           mg/kg         mg/kg         Analyst: JL	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         11/23/21         11/23/21           ND         0.0250         1         11/23/21         11/23/21           ND         0.0250         1         11/23/21         11/23/21           ND         0.0500         1         11/23/21         11/23/21           ND         0.0250         1         11/23/21         11/23/21           MD         0.0250         1         11/23/21         11/23/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         11/23/21         11/23/21           mg/kg         mg/kg         Analyst: JL         ND         25.0         1         11/23/21         11/23/21           ND         25.0         1         11/23/21         11/23/21         11/23/21           ND         50.0         1         11/23/21         11/23/21         11/23/21           ND         50.0         1         11/23/21         11/23/21         11/23/21           Mg/kg         mg/kg         Analyst: IY         <



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/2021 1:28:30PM

#### SP11-Surf E111134-11

		E111134-11				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2148015
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
oluene	ND	0.0250	1	11/23/21	11/23/21	
-Xylene	ND	0.0250	1	11/23/21	11/23/21	
o,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
iurrogate: 4-Bromochlorobenzene-PID		92.1 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
urrogate: 1-Chloro-4-fluorobenzene-FID		90.5 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2148014
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		118 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2148016
Chloride	7320	200	10	11/23/21	11/24/21	



Tap Rock	Project Name:	Contest 211 H	
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Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/2021 1:28:30PM

#### SP12-Surf E111134-12

		E111134-12				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	/kg mg/kg Analyst: RKS			Batch: 2148015	
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
o-Xylene	ND	0.0250	1	11/23/21	11/23/21	
o,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		95.1 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.1 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2148014
Diesel Range Organics (C10-C28)	67.5	25.0	1	11/23/21	11/23/21	
Oil Range Organics (C28-C36)	64.7	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		115 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2148016
Chloride	45000	2000	100	11/23/21	11/24/21	



Tap Rock	Project Name:	Contest 211 H	
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Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/2021 1:28:30PM

#### SP13-Surf E111134-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2148015
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
o-Xylene	ND	0.0250	1	11/23/21	11/23/21	
p,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.7 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2148014
Diesel Range Organics (C10-C28)	26.2	25.0	1	11/23/21	11/23/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		116 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: IY		Batch: 2148016
Chloride	10400	400	20	11/23/21	11/24/21	·



Tap Rock	Project Name:	Contest 211 H	
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Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/2021 1:28:30PM

#### SP14-Surf E111134-14

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Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/2021 1:28:30PM

#### SP15-Surf E111134-15

		E111134-13				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2148015
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
o-Xylene	ND	0.0250	1	11/23/21	11/23/21	
p,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		94.4 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.0 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2148014
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		115 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2148016
Chloride	ND	20.0	1	11/23/21	11/24/21	



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/2021 1:28:30PM

#### SP16-Surf E111134-16

		EIIIIOT IO				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg mg/kg Analyst: RKS			Batch: 2148015		
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
o-Xylene	ND	0.0250	1	11/23/21	11/23/21	
p,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		94.9 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.3 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2148014
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		115 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2148016
Chloride	60.3	20.0	1	11/23/21	11/24/21	



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/2021 1:28:30PM

#### SP17-Surf E111134-17

		E111134-17				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2148015
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
o-Xylene	ND	0.0250	1	11/23/21	11/23/21	
p,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		97.4 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2148014
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		117 %	50-200	11/23/21	11/23/21	
1 I ID 1 200 0/00 E ( )	7	п	A	st. IV		Batch: 2148016
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	St. 11		Batch: 2148010



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/2021 1:28:30PM

#### SP1-5'

#### E111134-18

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2148015
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
o-Xylene	ND	0.0250	1	11/23/21	11/23/21	
p,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		97.9 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	Analyst: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: JL		Batch: 2148014
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		115 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: IY		Batch: 2148016
Amons by ETA 300.0/7030A						



Toluene

o-Xylene p,m-Xylene

## **QC Summary Data**

				•					
Tap Rock		Project Name:	Co	ontest 211 H					Reported:
7 W. Compress Road		Project Number:	20	0046-0001					•
Artesia NM, 88210		Project Manager:	N	atalie Gladder	1				11/24/2021 1:28:30PM
		Volatile O	rganics b	y EPA 802	21B				Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2148015-BLK1)							Prepared: 1	1/23/21 A	nalyzed: 11/24/21
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.60		8.00		95.0	70-130			
LCS (2148015-BS1)							Prepared: 1	1/23/21 A	nalyzed: 11/24/21
Benzene	4.77	0.0250	5.00		95.3	70-130			
Ethylbenzene	4.75	0.0250	5.00		94.9	70-130			

Total Xylenes	14.5	0.0250	15.0	96.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00	98.7	70-130			
LCS Dup (2148015-BSD1)					P	repared: 11	1/23/21 Analyz	red: 11/24/21
Benzene	4.54	0.0250	5.00	90.8	70-130	4.82	20	
Ethylbenzene	4.51	0.0250	5.00	90.2	70-130	5.06	20	
Toluene	4.66	0.0250	5.00	93.1	70-130	5.18	20	
o-Xylene	4.66	0.0250	5.00	93.2	70-130	4.60	20	
p,m-Xylene	9.16	0.0500	10.0	91.6	70-130	5.04	20	
Total Xylenes	13.8	0.0250	15.0	92.1	70-130	4.89	20	
Surrogate: 4-Bromochlorobenzene-PID	7.91		8.00	98.9	70-130			

5.00

5.00

10.0

15.0

98.1

97.6

96.3

96.7

70-130

70-130

70-130

4.90

4.88

14.5

0.0250

0.0250

0.0500

# **QC Summary Data**

Tap Rock	Project Name:	Contest 211 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	-
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/2021 1:28:30PM

Artesia NM, 88210		Project Manage	r: Na	atalie Gladder	1			11/2	24/2021 1:28:30P
	Non	halogenated	Organics	by EPA 80	15D - G	RO		I	Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2148015-BLK1)							Prepared: 1	1/23/21 Anal	yzed: 11/24/21
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		91.0	70-130			
LCS (2148015-BS2)							Prepared: 1	1/23/21 Anal	yzed: 11/24/21
Gasoline Range Organics (C6-C10)	50.4	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.51		8.00		93.8	70-130			
LCS Dup (2148015-BSD2)							Prepared: 1	1/23/21 Anal	yzed: 11/24/21
Gasoline Range Organics (C6-C10)	49.7	20.0	50.0		99.4	70-130	1.50	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7 54		8.00		94.3	70-130			

# **QC Summary Data**

Tap Rock	Project Name: Contest 211 H	Reported:
7 W. Compress Road	Project Number: 20046-0001	·
Artesia NM, 88210	Project Manager: Natalie Gladden	11/24/2021 1:28:30PM

Artesia NM, 88210		Project Manage	r: Na	talie Gladder	1				11/24/2021 1:28:30PM
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	t
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	<b>%</b>	%	Notes
Blank (2148014-BLK1)							Prepared:	11/23/21	Analyzed: 11/23/21
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	61.5		50.0		123	50-200			
LCS (2148014-BS1)							Prepared:	11/23/21	Analyzed: 11/23/21
Diesel Range Organics (C10-C28)	562	25.0	500		112	38-132			
urrogate: n-Nonane	60.6		50.0		121	50-200			
Matrix Spike (2148014-MS1)				Source:	E111134-0	)4	Prepared:	11/23/21	Analyzed: 11/23/21
Diesel Range Organics (C10-C28)	1340	50.0	500	747	118	38-132			
urrogate: n-Nonane	59.7		50.0		119	50-200			
Matrix Spike Dup (2148014-MSD1)				Source:	E111134-0	)4	Prepared:	11/23/21	Analyzed: 11/23/21
Diesel Range Organics (C10-C28)	1300	50.0	500	747	110	38-132	3.26	20	
Surrogate: n-Nonane	61.9		50.0		124	50-200			



#### **QC Summary Data**

Tap Rock 7 W. Compress Road		Project Name: Project Number:		ontest 211 H					Reporte	ed:
Artesia NM, 88210		Project Manager		atalie Gladden	l				11/24/2021 1	28:30PM
		Anions	by EPA 3	300.0/9056 <i>A</i>	<b>\</b>				Analyst: Γ	Y
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPE Limi	t	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Not	es
Blank (2148016-BLK1)							Prepared:	11/23/21	Analyzed: 11/2	23/21
Chloride	ND	20.0								
LCS (2148016-BS1)							Prepared:	11/23/21	Analyzed: 11/2	23/21
Chloride	247	20.0	250		98.9	90-110				
Matrix Spike (2148016-MS1)				Source:	E111134-01	1	Prepared:	11/23/21	Analyzed: 11/2	23/21
Chloride	10900	400	250	10800	38.8	80-120			M	5
Matrix Spike Dup (2148016-MSD1)				Source:	E111134-0	1	Prepared:	11/23/21	Analyzed: 11/2	23/21
Chloride	11900	400	250	10800	428	80-120	8.55	20	M	5

#### QC Summary Report Comment:

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



#### **Definitions and Notes**

ſ	Tap Rock	Project Name:	Contest 211 H	
l	7 W. Compress Road	Project Number:	20046-0001	Reported:
1	Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/21 13:28

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:

Lab Use Only

Bill To

**EPA Program** 

TAT

Project:	Manager:	Nateli	t 211	H	Atte Add	ntion: ESS		Lab	WO#	211		Job 200	Num	ber	10	1D,	2D	3D :	Standard	CWA	SDWA
Address		NACEL				State, Zip		E	111			Analy	_							-	RCRA
City, Sta					Pho			-				Allaly	7313 01	lu ivie					-	71	NCNA
Phone:	,,				Ema			52	5						2					State	
Email:					Lina	11.		/ 801	8015	п			0.	7.5	100				NMI CO	UT AZ	TX
Report o	lue by:							(o b)	to by	802	8260	5010	300	000	грн (тсед 1005)				X		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	DRO/ORO by 8015	GRO/DRO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM - BGDOC	тх - трн					Remarks	
	11/15/21	3	1	3	P1-	Surf	1							X							
	1	1	(	S	P2-	surf	2							(							
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						surf	7							1							
				SF	8-	surf	8							1							
				SF	9-	surf	9							(							
	)			St	10.	- surf	10							1							
Addition	al Instruction	ns:																			
				of this sample. I am a		npering with or intentionally mislabelli Sampled by:	ng the sample loca	tion,				1000000							on ice the day the		or received
Relinguish	ed by: (Signatur	(م	Date	Time		Received by: (Signature)	Date 11.22	21	Time	10:	2	Rece	eived	on i	ce:	(Y		e Only			
Relinquish	ed by: (Signatur	e) /	Date	Time		Received by: (Signature)	A 11/23		Time			T1				T2			<u>T3</u>		
Relinquish	ed by: (Signatur	e)	Date	Time		Received by: (Signature)	Date		Time			AVG	Tem	n°C	U						
Sample Mat	rix: S - Soil, Sd - So	olid, Sg - Sluc	dge, A - Aque	ous, <b>O</b> - Other			Containe	r Type	: g - g	lass.						r glas	s. v - \	/OA			
					ess other ar	rangements are made. Hazardou	us samples will b	e retui	ned to	o clien	t or d	lispose	ed of a	at the	client	expen	se. T	he repor	t for the anal	vsis of the a	bove
						is COC. The liability of the laborate											o To	- FEE	and the second		3,7 8.7



lient:	1601	rock				Bill To				12	h Us	e Only	,				T	AT		FPΔP	rogram
roject:	10	onte	st 2	-11 #	A	ttention: ES5		Lab	WO#			Job N		er	1	.D 20			dard	CWA	SDW
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port d	ue by:		10.4				Lab	88	DRO	by 8(	14 82	s 60.	de 3	3GD(	H (TC			2			
impled	Date Sampled	Matrix	No. of Containers	Sample ID			Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM - BGDOC	TX - TPH					Remarks	
	11/15/21	S	- 1	St	11-	- surf	11							X							
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						- surf	13														
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dition	al Instruction	ns:																			
				f this sample. I am		t tampering with or intentionally mislabel Sampled by:	ling the sample locat	ion,										ived on ice t		y are sampled	or received
	d by: (Signature					Received by; (Signature)	Date 11.22	71	Time	400		Receiv					Jse On				
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nquish	d by: (Signature	e)	Date	Time		Received by: (Signature)	Date		Time				amr	°C	4			_ 13		-	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Contains				iner Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																	



Page 102 of 294

Printed: 11/23/2021 1:55:43PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Tap Rock	Date Received:	11/23/21 1	2:00	Wor	rk Order ID:	E111134
Phone:	(575) 390-6397	Date Logged In:	11/23/21 1	2:28	Log	gged In By:	Alexa Michaels
Email:	natalie@energystaffingllc.com	Due Date:	11/23/21	17:00 (0 day TAT)			
1. Does th 2. Does th	Custody (COC)  ne sample ID match the COC? ne number of samples per sampling site location mat	ech the COC	Yes Yes				
	amples dropped off by client or carrier?		Yes	Carrier: Fo	<u>'edEx</u>		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	No				
5. Were a	ll samples received within holding time? Note: Analysis, such as pH which should be conducted ir i.e, 15 minute hold time, are not included in this disucssion		Yes	г		Commen	ts/Resolution
	Furn Around Time (TAT)  COC indicate standard TAT, or Expedited TAT?		Yes		Time Sampled	l was not	provided on COC
Sample C	<del></del>						
	ample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes C				
	Container	<u>.                                    </u>	<u>~</u>				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	?	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab							
20. Were	field sample labels filled out with the minimum info	ormation:	Yes				
D	ate/Time Collected?		Yes	L			
C	ollectors name?		No				
	<u>reservation</u>						
	the COC or field labels indicate the samples were pr	eserved?	No				
	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	netals?	No				
	se Sample Matrix						
	the sample have more than one phase, i.e., multipha		No				
27. If yes.	does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborator subcontract laboratory specified by the client and if	-	No NA	Subcontract Lab	o: NA		
Client Ir	struction						
							- <b>(3</b> )
Signat	ure of client authorizing changes to the COC or sample dis-	position.			Date		envirotech Inc.

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

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: Contest 211 H

Work Order: E111135

Job Number: 20046-0001

Received: 11/23/2021

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/24/21

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

Date Reported: 11/24/21

Natalie Gladden 7 W. Compress Road Artesia, NM 88210

Project Name: Contest 211 H

Workorder: E111135

Date Received: 11/23/2021 12:00:00PM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/23/2021 12:00:00PM, under the Project Name: Contest 211 H.

The analytical test results summarized in this report with the Project Name: Contest 211 H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

**Alexa Michaels** 

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

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## Sample Summary

Tap Rock	Project Name:	Contest 211 H	Donoutoda
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/21 13:26

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW1-6'	E111135-01A	Soil	11/18/21	11/23/21	Glass Jar, 4 oz.
SW2-Surf	E111135-02A	Soil	11/22/21	11/23/21	Glass Jar, 4 oz.
SW2-2'	E111135-03A	Soil	11/18/21	11/23/21	Glass Jar, 4 oz.
SW3-2'	E111135-04A	Soil	11/22/21	11/23/21	Glass Jar, 4 oz.
SW4-Surf	E111135-05A	Soil	11/18/21	11/23/21	Glass Jar, 4 oz.
SW4-2'	E111135-06A	Soil	11/22/21	11/23/21	Glass Jar, 4 oz.
SW5-2'	E111135-07A	Soil	11/22/21	11/23/21	Glass Jar, 4 oz.
SW6-Surf	E111135-08A	Soil	11/18/21	11/23/21	Glass Jar, 4 oz.
SW6-2'	E111135-09A	Soil	11/22/21	11/23/21	Glass Jar, 4 oz.
SW7-2'	E111135-10A	Soil	11/22/21	11/23/21	Glass Jar, 4 oz.
SW8-Surf	E111135-11A	Soil	11/18/21	11/23/21	Glass Jar, 4 oz.
SW8-2'	E111135-12A	Soil	11/22/21	11/23/21	Glass Jar, 4 oz.

Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/2021 1:26:26PM

#### SW1-6' E111135-01

		E111135-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2148017
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
o-Xylene	ND	0.0250	1	11/23/21	11/23/21	
p,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		94.2 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2148017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.4 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2148018
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		115 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2148019
Chloride	32.4	20.0	1	11/23/21	11/24/21	



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/2021 1:26:26PM

#### SW2-Surf E111135-02

		2111100 02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2148017
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
o-Xylene	ND	0.0250	1	11/23/21	11/23/21	
p,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		97.3 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	Analyst: RKS		Batch: 2148017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.0 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2148018
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		118 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2148019
Chloride	90.3	20.0	1	11/23/21	11/24/21	



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/2021 1:26:26PM

#### SW2-2'

<b>E1</b>	11	13	5-	03
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		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2148017
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
o-Xylene	ND	0.0250	1	11/23/21	11/23/21	
p,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		97.6 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2148017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.0 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: JL		Batch: 2148018
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		122 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: IY		Batch: 2148019
· · · · · · · · · · · · · · · · · · ·	ND	20.0		11/23/21	11/24/21	·



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/2021 1:26:26PM

#### SW3-2'

4

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2148017
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
o-Xylene	ND	0.0250	1	11/23/21	11/23/21	
p,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		96.7 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2148017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.4 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: JL		Batch: 2148018
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		120 %	50-200	11/23/21	11/23/21	
	mg/kg	mg/kg	Analy	vst: IY		Batch: 2148019
Anions by EPA 300.0/9056A	mg/kg	mg ng				



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/2021 1:26:26PM

#### SW4-Surf E111135-05

		E111135-05				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
marye	resuit	- Emili	Direction	Trepured	7 mary 200	rotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2148017
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
o-Xylene	ND	0.0250	1	11/23/21	11/23/21	
p,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		94.7 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2148017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.5 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2148018
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		118 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2148019
Chloride	148	20.0	1	11/23/21	11/24/21	



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/2021 1:26:26PM

#### SW4-2'

#### E111135-06

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2148017
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
o-Xylene	ND	0.0250	1	11/23/21	11/23/21	
p,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		97.2 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2148017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.7 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2148018
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		122 %	50-200	11/23/21	11/23/21	
	mg/kg	mg/kg	Analy	st: IY		Batch: 2148019
Anions by EPA 300.0/9056A	mg ng	88				



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/2021 1:26:26PM

#### SW5-2'

T7111125	. 07
E111135	)-U/

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2148017
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
o-Xylene	ND	0.0250	1	11/23/21	11/23/21	
p,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		96.0 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2148017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.5 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2148018
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/24/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/24/21	
Surrogate: n-Nonane		120 %	50-200	11/23/21	11/24/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2148019
	ND	20.0		11/23/21	11/24/21	



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/2021 1:26:26PM

#### SW6-Surf

		E111135-08				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RKS		Batch: 2148017
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
o-Xylene	ND	0.0250	1	11/23/21	11/23/21	
p,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		97.8 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2148017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.0 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2148018
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/24/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/24/21	
Surrogate: n-Nonane		122 %	50-200	11/23/21	11/24/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: IY		Batch: 2148019
Chloride	5820	100	5	11/23/21	11/24/21	



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/2021 1:26:26PM

#### SW6-2'

#### E111135-09

	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2148017
ND	0.0250	1	11/23/21	11/23/21	
ND	0.0250	1	11/23/21	11/23/21	
ND	0.0250	1	11/23/21	11/23/21	
ND	0.0250	1	11/23/21	11/23/21	
ND	0.0500	1	11/23/21	11/23/21	
ND	0.0250	1	11/23/21	11/23/21	
	94.2 %	70-130	11/23/21	11/23/21	
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2148017
ND	20.0	1	11/23/21	11/23/21	
	89.2 %	70-130	11/23/21	11/23/21	
mg/kg	mg/kg	Anal	yst: JL		Batch: 2148018
ND	25.0	1	11/23/21	11/24/21	
ND ND	25.0 50.0	1 1	11/23/21 11/23/21	11/24/21 11/24/21	
		1 1 50-200			
	50.0	50-200	11/23/21	11/24/21	Batch: 2148019
-	mg/kg  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           g4.2 %         mg/kg           ND         20.0           89.2 %	Result         Limit         Dilution           mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         94.2 %         70-130           mg/kg         mg/kg         Anal           ND         20.0         1           89.2 %         70-130	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         11/23/21           ND         0.0250         1         11/23/21           ND         0.0250         1         11/23/21           ND         0.0250         1         11/23/21           ND         0.0500         1         11/23/21           ND         0.0250         1         11/23/21           mg/kg         70-130         11/23/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         11/23/21           89.2 %         70-130         11/23/21	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         11/23/21         11/23/21           ND         0.0500         1         11/23/21         11/23/21           ND         0.0250         1         11/23/21         11/23/21           mg/kg         70-130         11/23/21         11/23/21           mg/kg         Analyst: RKS           ND         20.0         1         11/23/21         11/23/21           89.2 %         70-130         11/23/21         11/23/21



Diesel Range Organics (C10-C28)

Oil Range Organics (C28-C36)

Anions by EPA 300.0/9056A

Surrogate: n-Nonane

Chloride

### Sample Data

Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/2021 1:26:26PM

#### SW7-2' E111135-10

#### Reporting Analyte Result Limit Dilution Prepared Analyzed Notes Analyst: RKS Batch: 2148017 mg/kg mg/kg Volatile Organics by EPA 8021B 11/23/21 11/23/21 ND 0.0250 Benzene 1 11/23/21 11/23/21 Ethylbenzene ND 0.0250ND 0.02501 11/23/21 11/23/21 Toluene 1 11/23/21 11/23/21 ND o-Xylene 0.02501 11/23/21 11/23/21 ND 0.0500 p,m-Xylene 11/23/21 11/23/21 1 Total Xylenes ND 0.025011/23/21 11/23/21 94.3 % 70-130 Surrogate: 4-Bromochlorobenzene-PID Analyst: RKS mg/kg Batch: 2148017 Nonhalogenated Organics by EPA 8015D - GRO mg/kg 11/23/21 11/23/21 ND 20.0 1 Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID 92.6 % 11/23/21 11/23/21 70-130 mg/kg mg/kg Analyst: JL Batch: 2148018 Nonhalogenated Organics by EPA 8015D - DRO/ORO

25.0

50.0

mg/kg

20.0

119 %

11/23/21

11/23/21

11/23/21

11/23/21

1

1

Analyst: IY

50-200

11/24/21

11/24/21

11/24/21

11/24/21

Batch: 2148019

ND

ND

mg/kg

81.0

Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/2021 1:26:26PM

#### SW8-Surf

E111135-11
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		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2148017
Benzene	ND	0.0250	1	11/23/21	11/24/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/24/21	
Toluene	ND	0.0250	1	11/23/21	11/24/21	
o-Xylene	ND	0.0250	1	11/23/21	11/24/21	
p,m-Xylene	ND	0.0500	1	11/23/21	11/24/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/24/21	
Surrogate: 4-Bromochlorobenzene-PID		98.7 %	70-130	11/23/21	11/24/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2148017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/24/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.1 %	70-130	11/23/21	11/24/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2148018
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/24/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/24/21	
Surrogate: n-Nonane		123 %	50-200	11/23/21	11/24/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2148019
Chloride	500	20.0	1	11/23/21	11/24/21	



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/2021 1:26:26PM

#### SW8-2'

#### E111135-12

	Reporting				
Result	Limit	Diluti	on Prepared	Analyzed	Notes
ng/kg	mg/kg	A	nalyst: RKS		Batch: 2148017
ND	0.0250	1	11/23/21	11/24/21	
ND	0.0250	1	11/23/21	11/24/21	
ND	0.0250	1	11/23/21	11/24/21	
ND	0.0250	1	11/23/21	11/24/21	
ND	0.0500	1	11/23/21	11/24/21	
ND	0.0250	1	11/23/21	11/24/21	
	95.1 %	70-130	11/23/21	11/24/21	
ng/kg	mg/kg	A	nalyst: RKS		Batch: 2148017
ND	20.0	1	11/23/21	11/24/21	
	91.3 %	70-130	11/23/21	11/24/21	
ng/kg	mg/kg	A	nalyst: JL		Batch: 2148018
ND	25.0	1	11/23/21	11/24/21	
ND	50.0	1	11/23/21	11/24/21	
	122.07	50.200	11/23/21	11/24/21	
	122 %	50-200	11/23/21	11/2 //21	
ng/kg	122 % mg/kg		nalyst: IY	11/2 //21	Batch: 2148019
1	ND N	ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 95.1 %  mg/kg mg/kg ND 20.0  91.3 %  mg/kg mg/kg ND 25.0	ND 0.0250 1  ND 0.0500 1  ND 0.0250 1  ND 0.0250 1  One of the control of	ND 0.0250 1 11/23/21  ND 0.0500 1 11/23/21  ND 0.0500 1 11/23/21  ND 0.0250 1 11/23/21  95.1 % 70-130 11/23/21  11/23/21  11/23/21  91.3 % 70-130 11/23/21  91.3 % 70-130 11/23/21  11/23/21  11/23/21  11/23/21	ND 0.0250 1 11/23/21 11/24/21 ND 0.0500 1 11/23/21 11/24/21 ND 0.0500 1 11/23/21 11/24/21 ND 0.0250 1 11/23/21 11/24/21 ND 0.0250 1 11/23/21 11/24/21  95.1 % 70-130 11/23/21 11/24/21  ng/kg mg/kg Analyst: RKS ND 20.0 1 11/23/21 11/24/21  91.3 % 70-130 11/23/21 11/24/21  ng/kg mg/kg Analyst: JL ND 25.0 1 11/23/21 11/24/21



	•		
Tap Rock	Project Name:	Contest 211 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/2021 1:26:26PM
	Volatile Orga	unics by EPA 8021B	Analyet: RKS

Artesia Nivi, 88210		Project Manage	I. IN	italie Gladden	l				11/24/2021 1.20.20FW
		Volatile (	Organics b	y EPA 802	1B				Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2148017-BLK1)							Prepared: 1	1/23/21 A	nalyzed: 11/24/21
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	7.42		8.00		92.7	70-130			
LCS (2148017-BS1)							Prepared: 1	1/23/21 A	nalyzed: 11/24/21
Benzene	4.58	0.0250	5.00		91.6	70-130			
Ethylbenzene	4.59	0.0250	5.00		91.8	70-130			
Toluene	4.73	0.0250	5.00		94.6	70-130			
o-Xylene	4.73	0.0250	5.00		94.7	70-130			
p,m-Xylene	9.31	0.0500	10.0		93.1	70-130			
Total Xylenes	14.0	0.0250	15.0		93.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.83		8.00		97.9	70-130			
LCS Dup (2148017-BSD1)							Prepared: 1	1/23/21 A	nalyzed: 11/24/21
Benzene	4.89	0.0250	5.00		97.8	70-130	6.51	20	
Ethylbenzene	4.91	0.0250	5.00		98.2	70-130	6.72	20	
Toluene	5.05	0.0250	5.00		101	70-130	6.54	20	
o-Xylene	5.08	0.0250	5.00		102	70-130	7.05	20	
p,m-Xylene	9.94	0.0500	10.0		99.4	70-130	6.55	20	
Total Xylenes	15.0	0.0250	15.0		100	70-130	6.72	20	
Surrogate: 4-Bromochlorobenzene-PID	7.68		8.00		96.0	70-130			



Tap Rock	Project Name:	Contest 211 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	-
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/2021 1:26:26PM

Artesia NM, 88210		Project Manager:		talie Gladden				1	1/24/2021 1:26:26PM
	Non	halogenated (	Organics	by EPA 801	5D - Gl	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2148017-BLK1)							Prepared: 1	1/23/21 An	alyzed: 11/24/21
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.31		8.00		91.4	70-130			
LCS (2148017-BS2)							Prepared: 1	1/23/21 An	alyzed: 11/24/21
Gasoline Range Organics (C6-C10)	49.8	20.0	50.0		99.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.51		8.00		93.8	70-130			
LCS Dup (2148017-BSD2)							Prepared: 1	1/23/21 An	alyzed: 11/24/21
Gasoline Range Organics (C6-C10)	48.8	20.0	50.0		97.7	70-130	1.85	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		8.00		93.3	70-130			

Tap Rock	Project Name:	Contest 211 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	•
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/2021 1:26:26PM

Artesia NM, 88210		Project Manage	r: N	atalie Gladden					11/24/2021 1:26:26PM
	Nonha	logenated Or	ganics by	EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2148018-BLK1)							Prepared:	11/23/21	Analyzed: 11/23/21
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	59.6		50.0		119	50-200			
LCS (2148018-BS1)							Prepared:	11/23/21	Analyzed: 11/23/21
Diesel Range Organics (C10-C28)	547	25.0	500		109	38-132			
Surrogate: n-Nonane	57.3		50.0		115	50-200			
Matrix Spike (2148018-MS1)				Source: 1	E111135-0	13	Prepared:	11/23/21	Analyzed: 11/23/21
Diesel Range Organics (C10-C28)	562	25.0	500	ND	112	38-132			
Surrogate: n-Nonane	59.1		50.0		118	50-200			
Matrix Spike Dup (2148018-MSD1)				Source: 1	E111135-0	)3	Prepared:	11/23/21	Analyzed: 11/23/21
Diesel Range Organics (C10-C28)	560	25.0	500	ND	112	38-132	0.370	20	
Surrogate: n-Nonane	60.0		50.0		120	50-200			



Tap Rock 7 W. Compress Road Artesia NM, 88210		Project Name: Project Number: Project Manager:	20	ontest 211 H 0046-0001 atalie Gladden					<b>Reported:</b> 11/24/2021 1:26:26F
		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 %	RPE Limi	
Blank (2148019-BLK1)							Prepared:	11/23/21	Analyzed: 11/24/21
Chloride	ND	20.0							
LCS (2148019-BS1)							Prepared:	11/23/21	Analyzed: 11/24/21
Chloride	249	20.0	250		99.6	90-110			
Matrix Spike (2148019-MS1)				Source: I	E111135-0	1	Prepared:	11/23/21	Analyzed: 11/24/21
Chloride	279	20.0	250	32.4	98.5	80-120			
Matrix Spike Dup (2148019-MSD1)				Source: I	E111135-0	1	Prepared:	11/23/21	Analyzed: 11/24/21
Chloride	282	20.0	250	32.4	99.8	80-120	1.15	20	

#### QC Summary Report Comment:

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



#### **Definitions and Notes**

ſ	Tap Rock	Project Name:	Contest 211 H	
ı	7 W. Compress Road	Project Number:	20046-0001	Reported:
l	Artesia NM, 88210	Project Manager:	Natalie Gladden	11/24/21 13:26

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



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Project In	formation				Chain of	Custody													Р	age	_of_2
Client: JAPROK Project: Contest 211 H Project Manager: Christain Combs								Lab Use Only Lab WO#   Job Number E 111135   20046-000									ndard	EPA Pi	rogram SDWA		
Address: City, State, Zip Phone: Email: Workalize Slovaleten Report due by: £55  Time Sampled Date Sampled Matrix No. of Containers Sample ID			Phone: 575-390-6397 Email: Natalie @ Chergy S  LLC. Com		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)					IM CO	State UT AZ Remarks	TX		
	11/18/21	S	1	Sul-6'		1	3					U	X								
	11/22/21	5	(	Sw2-Sur	f	2							(								
	11/18/21			5w2-21		3							1						137		
	4/2261			Sw3-21		4							1								
	11/18/21			SW4-Surt	1	5							)								
	11/22/21			Sw4-21		6							)								
	11/22/21			Sw5-2'		7							)					Ш			
	11/18/21		/	Sw6-Swa	2	8							1								
	11/22/21			Sw6-21		9							(								
	11/22/21			Sw7-21		10							)								
	al Instructio																				
date or time	of collection is co	insidered fra	ud and may	be grounds for legal actio	The state of the s						.01								s the day the esequent day	y are sampled s.	or received
6		ant	Dat	-22-21 Time	Received by: (Signature)	Date 11/23/2	21	Time 12	:00	)	Rece	ived	on i	ce:	Y		e Onl	ly			
Refinquish	ed by: (Signathu	(e) L	) Dat	e Time	Received by: (Signature)	Date		Time			T1 T2 T3										
Relinquish	ed by: (Signatur	re)	Dat	2 Time	Received by: (Signature)	Date Time				AVG Temp °C											
The second secon	rix: S - Soil, Sd - S			And the same beauty and the same and the sam	other arrangements are made. Hazardous sa	Containe				<b>p</b> - pc	oly/pla	astic,	ag - a	ambe					the seek	usia a <b>f t</b> ha a	

samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Received by OCD: 7/14/2022 8:47:14 AM

	APROCK	211 11				Bill To						se Or	nly			TAT				EPA P	rogram	
Project N	Contest Anager: Ch	XII H	Cahal	-		Attention: Notalie Gladder Address: 2724 11 west Cou	7 21	Lab	WO#	-		Job	Num	ber	001	1D	2D	3D	St	andard	CWA	SDWA
Address:		I'S HOU	Conc	7.2		City, State, Zip Elsa Hobbson	DO JUL	EI	1110	50		_	041		_							
City, Stat						Phone: 575-390-6307			1			Anaiy	sis ar	na ivie	etnod			-				RCRA
Phone:						Email: Notalie @ Energy 5	to Cha	53	53						2)						State	L
Email: A	Justalie	gladel	en			Cuali	-	/ 801	/ 801	н		NIM COLUTI					UT AZ	TX				
Report d	ue by: ES	55		<b>Y</b>		Lic.com	300 by 8015  8260  8260  8260  8260  8260  8260  8260  8260  8260  8260  8260  8260  8260  8260  8260  8260  8260  8260					X	0, 7,12									
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM - BGDOC	тх - трн						Remarks	
	11/18/21	5	1	5W8.	-Surt	2	11							X						hara para		
	11/22/21	S	5	<b>2</b> m4-	21		12							K								
																					-	
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					-																	
	al Instruction																					
, (field samp	ler), attest to the of collection is col	validity and a	uthenticity o	f this sample. I e grounds for le	am aware	that tampering with or intentionally mislabelling the Sampled by:	ne sample locat	on,												ice the day they ubsequent days		or received
Relinquishe	d by Signature	1 A	Date 11-7	2-19	ime	Received by: (Signature)	Date 11/23	21	Time	:0	0	Lab Use Only Received on ice: Y N										
Relinquishe	d by: (Signature		Date		ime	Received by: (Signature)	Date	-	Time													
Relinquishe	d by: (Signature	2)	Date	Ti	me	Received by: (Signature)	Date		Time	-		T1			200	T2			-	T3		
amala Mar	C Call Cd C	tid e. e											Tem			_	-			Aca-	- 22	
	ix: S - Soil, Sd - So				Lunlass	ther arrangements are made. Users January	Container	Type	g-g	lass, I	<b>p</b> - po	ly/pla	stic,	ag - a	mber	glas	s, v - '	VOA				
amples is a	applicable only t	to those sar	mples recei	ved by the lat	poratory	ther arrangements are made. Hazardous sa with this COC. The liability of the laboratory	s limited to the	returi	ned to ount p	aid fo	r on t	spose he rep	d of at	the c	ment (	exper	ise. T	ne re	oort fo	or the analys	is of the al	bove



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envirotech Inc.

Printed: 11/23/2021 4:14:11PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Tap Rock	Date Received:	11/23/21	12:00		Work Order ID:	E111135
Phone:	(575) 390-6397	Date Logged In:	11/23/21	12:33		Logged In By:	Alexa Michaels
Email:	natalie@energystaffingllc.com	Due Date:	11/23/21	17:00 (0 day TAT)			
Chain of	Custody (COC)						
	Custody (COC)		37				
	ne sample ID match the COC? ne number of samples per sampling site location mat	ch the COC	Yes				
	amples dropped off by client or carrier?	en the coc	Yes	a			
	e COC complete, i.e., signatures, dates/times, reques	tad analyzasa?	Yes No	Carrier: <u>F</u>	<u>redEx</u>		
	Il samples received within holding time?	icu alialyses:					
5. Were a	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssic		Yes			Comment	s/Resolution
Sample T	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<del></del>						
	sample cooler received?		Yes				
•	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
Sample C			<u>~</u>				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?	,	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lat		iers conceted.	103				
	field sample labels filled out with the minimum info	rmation					
	ample ID?	111441011	Yes				
	ate/Time Collected?		Yes				
C	ollectors name?		No				
Sample P	<u>reservation</u>						
21. Does	the COC or field labels indicate the samples were pr	eserved?	No				
	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	etals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphas	se?	No				
27. If yes,	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborator	v?	No				
	subcontract laboratory specified by the client and if	-	NA	Subcontract Lab	o: NA		
	struction						
CHERTI	isti uction						

Date

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

Report to:

Natalie Gladden





5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

Tap Rock

Project Name: Contest 211 H

Work Order: E111139

Job Number: 20046-0001

Received: 11/24/2021

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/29/21

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

Date Reported: 11/29/21

Natalie Gladden 7 W. Compress Road Artesia, NM 88210

Project Name: Contest 211 H

Workorder: E111139

Date Received: 11/24/2021 12:00:00PM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/24/2021 12:00:00PM, under the Project Name: Contest 211 H.

The analytical test results summarized in this report with the Project Name: Contest 211 H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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**Alexa Michaels** 

Sample Custody Officer Office: 505-632-1881

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Lynn Jan Due

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ljarboe@envirotech-inc.com

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West Texas Midland/Odessa Area Rayny Hagan

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

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# **Sample Summary**

Tap Rock	Project Name:	Contest 211 H	Denouted
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/29/21 16:21

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
SW1-Surf	E111139-01A Soil	11/22/21	11/24/21	Glass Jar, 4 oz.
SW3-Surf	E111139-02A Soil	11/22/21	11/24/21	Glass Jar, 4 oz.
SW5-Surf	E111139-03A Soil	11/22/21	11/24/21	Glass Jar, 4 oz.
SW7-Surf	E111139-04A Soil	11/22/21	11/24/21	Glass Jar, 4 oz.



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/29/2021 4:21:33PM

#### SW1-Surf E111139-01

		E111139-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2148026
Benzene	ND	0.0250	1	11/24/21	11/25/21	
Ethylbenzene	ND	0.0250	1	11/24/21	11/25/21	
Toluene	ND	0.0250	1	11/24/21	11/25/21	
o-Xylene	ND	0.0250	1	11/24/21	11/25/21	
o,m-Xylene	ND	0.0500	1	11/24/21	11/25/21	
Total Xylenes	ND	0.0250	1	11/24/21	11/25/21	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	11/24/21	11/25/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2148026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/24/21	11/25/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.4 %	70-130	11/24/21	11/25/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2148022
Diesel Range Organics (C10-C28)	ND	25.0	1	11/24/21	11/25/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/24/21	11/25/21	
Surrogate: n-Nonane		128 %	50-200	11/24/21	11/25/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2148025
Chloride	3500	40.0	2	11/29/21	11/29/21	



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/29/2021 4:21:33PM

#### SW3-Surf E111139-02

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2148026
ND	0.0250	1	11/24/21	11/25/21	
ND	0.0250	1	11/24/21	11/25/21	
ND	0.0250	1	11/24/21	11/25/21	
ND	0.0250	1	11/24/21	11/25/21	
ND	0.0500	1	11/24/21	11/25/21	
ND	0.0250	1	11/24/21	11/25/21	
	98.8 %	70-130	11/24/21	11/25/21	
mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2148026
ND	20.0	1	11/24/21	11/25/21	
	93.1 %	70-130	11/24/21	11/25/21	
mg/kg	mg/kg	Ana	lyst: JL		Batch: 2148022
ND	25.0	1	11/24/21	11/25/21	
ND	50.0	1	11/24/21	11/25/21	
	135 %	50-200	11/24/21	11/25/21	
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2148025
20.5	20.0	1	11/29/21	11/29/21	·
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         0.0250           98.8 %         mg/kg           MD         20.0           93.1 %         mg/kg           ND         25.0           ND         50.0           135 %         mg/kg           mg/kg         mg/kg	Result         Limit         Dilution           mg/kg         mg/kg         Ana           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           98.8 %         70-130           mg/kg         mg/kg         Ana           ND         20.0         1           93.1 %         70-130           mg/kg         mg/kg         Ana           ND         25.0         1           ND         50.0         1           135 %         50-200           mg/kg         Mg/kg         Ana	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         11/24/21           ND         0.0250         1         11/24/21           ND         0.0250         1         11/24/21           ND         0.0500         1         11/24/21           ND         0.0250         1         11/24/21           ND         0.0250         1         11/24/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         11/24/21           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         11/24/21           ND         25.0         1         11/24/21           ND         50.0         1         11/24/21           ND         50.0         1         11/24/21           ng/kg         mg/kg         Analyst: JL	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         11/24/21         11/25/21           ND         0.0250         1         11/24/21         11/25/21           ND         0.0250         1         11/24/21         11/25/21           ND         0.0500         1         11/24/21         11/25/21           ND         0.0250         1         11/24/21         11/25/21           ND         0.0250         1         11/24/21         11/25/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         11/24/21         11/25/21           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         11/24/21         11/25/21           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         11/24/21         11/25/21           ND         50.0         1         11/24/21         11/25/21           ND         50.0         1         11/24/21         11/25/21           mg/kg         mg/kg



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/29/2021 4:21:33PM

# SW5-Surf

E111139-03						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2148026
Benzene	ND	0.0250	1	11/24/21	11/25/21	
Ethylbenzene	ND	0.0250	1	11/24/21	11/25/21	
Toluene	ND	0.0250	1	11/24/21	11/25/21	
o-Xylene	ND	0.0250	1	11/24/21	11/25/21	
p,m-Xylene	ND	0.0500	1	11/24/21	11/25/21	
Total Xylenes	ND	0.0250	1	11/24/21	11/25/21	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	11/24/21	11/25/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2148026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/24/21	11/25/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.2 %	70-130	11/24/21	11/25/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2148022
Diesel Range Organics (C10-C28)	ND	25.0	1	11/24/21	11/25/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/24/21	11/25/21	
Surrogate: n-Nonane		129 %	50-200	11/24/21	11/25/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2148025
Chloride	ND	20.0	1	11/29/21	11/29/21	



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/29/2021 4:21:33PM

#### SW7-Surf E111139-04

		E111137-04				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2148026
Benzene	ND	0.0250	1	11/24/21	11/25/21	
Ethylbenzene	ND	0.0250	1	11/24/21	11/25/21	
Toluene	ND	0.0250	1	11/24/21	11/25/21	
o-Xylene	ND	0.0250	1	11/24/21	11/25/21	
p,m-Xylene	ND	0.0500	1	11/24/21	11/25/21	
Total Xylenes	ND	0.0250	1	11/24/21	11/25/21	
Surrogate: 4-Bromochlorobenzene-PID		97.9 %	70-130	11/24/21	11/25/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2148026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/24/21	11/25/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %	70-130	11/24/21	11/25/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2148022
Diesel Range Organics (C10-C28)	ND	25.0	1	11/24/21	11/25/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/24/21	11/25/21	
Surrogate: n-Nonane		133 %	50-200	11/24/21	11/25/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2148025
Chloride	ND	20.0	1	11/29/21	11/29/21	



	₹ 5 /5 52.2.	J = 0000	
Tap Rock	Project Name:	Contest 211 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	·F·
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/29/2021 4:21:33PM
	Analyst: RKS		

		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	
	mg/kg	mg/kg	mg/kg	mg kg	/0	/0	/0	/0	Notes	
Blank (2148026-BLK1)							Prepared: 1	1/24/21 Anal	yzed: 11/24/21	
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	8.06		8.00		101	70-130				
LCS (2148026-BS1)							Prepared: 1	1/24/21 Anal	yzed: 11/25/21	
Benzene	4.61	0.0250	5.00		92.1	70-130				
Ethylbenzene	4.72	0.0250	5.00		94.3	70-130				
Toluene	4.81	0.0250	5.00		96.2	70-130				
o-Xylene	4.85	0.0250	5.00		97.0	70-130				
p,m-Xylene	9.57	0.0500	10.0		95.7	70-130				
Total Xylenes	14.4	0.0250	15.0		96.1	70-130				
Surrogate: 4-Bromochlorobenzene-PID	8.30		8.00		104	70-130				
LCS Dup (2148026-BSD1)							Prepared: 1	1/24/21 Anal	yzed: 11/25/21	
Benzene	4.64	0.0250	5.00		92.8	70-130	0.709	20		
Ethylbenzene	4.73	0.0250	5.00		94.6	70-130	0.253	20		
Toluene	4.83	0.0250	5.00		96.6	70-130	0.474	20		
o-Xylene	4.88	0.0250	5.00		97.6	70-130	0.645	20		
p,m-Xylene	9.61	0.0500	10.0		96.1	70-130	0.389	20		
Total Xylenes	14.5	0.0250	15.0		96.6	70-130	0.475	20		
Surrogate: 4-Bromochlorobenzene-PID	8.25		8.00		103	70-130				



Surrogate: 1-Chloro-4-fluorobenzene-FID

7.64

# **QC Summary Data**

Tap Rock	Project Name:	Contest 211 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	•
Artesia NM, 88210	Project Manager:	Natalie Gladden	11/29/2021 4:21:33PM

Artesia NM, 88210		Project Manager		utalie Gladden				11	/29/2021 4:21:33PM
	Non	halogenated (	Organics l	by EPA 801	15D - G	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2148026-BLK1)							Prepared: 1	1/24/21 Ana	alyzed: 11/24/21
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		93.9	70-130			
LCS (2148026-BS2)							Prepared: 1	1/24/21 Ana	alyzed: 11/25/21
Gasoline Range Organics (C6-C10)	51.4	20.0	50.0		103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.1	70-130			
LCS Dup (2148026-BSD2)							Prepared: 1	1/24/21 Ana	alyzed: 11/25/21
Gasoline Range Organics (C6-C10)	50.4	20.0	50.0		101	70-130	2.07	20	

95.5

70-130

Tap Rock	Project Name: Co	ontest 211 H	Reported:
7 W. Compress Road	Project Number: 20	0046-0001	
Artesia NM, 88210	Project Manager: Na	atalie Gladden	11/29/2021 4:21:33PM

Artesia NM, 88210		Project Manager	r: N	atalie Gladden					11/29/2021 4:21:33PM
	Nonha	logenated Or	ganics by	EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2148022-BLK1)							Prepared:	11/24/21	Analyzed: 11/24/21
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	62.0		50.0		124	50-200			
LCS (2148022-BS1)							Prepared:	11/24/21	Analyzed: 11/24/21
Diesel Range Organics (C10-C28)	549	25.0	500		110	38-132			
Surrogate: n-Nonane	60.3		50.0		121	50-200			
Matrix Spike (2148022-MS1)				Source: 1	E111139-0	)4	Prepared:	11/24/21	Analyzed: 11/24/21
Diesel Range Organics (C10-C28)	548	25.0	500	ND	110	38-132			
Surrogate: n-Nonane	60.9		50.0		122	50-200			
Matrix Spike Dup (2148022-MSD1)				Source: 1	E111139-0	)4	Prepared:	11/24/21	Analyzed: 11/24/21
Diesel Range Organics (C10-C28)	548	25.0	500	ND	110	38-132	0.114	20	
Surrogate: n-Nonane	59.8		50.0		120	50-200			



Tap Rock 7 W. Compress Road Artesia NM, 88210		Project Name: Project Number: Project Manager:	20	ontest 211 H 0046-0001 atalie Gladden					<b>Reported:</b> 11/29/2021 4:21:33PM
		Anions 1	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 Limi %	
Blank (2148025-BLK1)							Prepared:	11/29/21	Analyzed: 11/29/21
Chloride	ND	20.0							
LCS (2148025-BS1)							Prepared:	11/29/21	Analyzed: 11/29/21
Chloride	245	20.0	250		98.0	90-110			
Matrix Spike (2148025-MS1)				Source: F	E111138-0	1	Prepared:	11/29/21	Analyzed: 11/29/21
Chloride	6910	400	250	7410	NR	80-120			M5
Matrix Spike Dup (2148025-MSD1)				Source: F	E111138-0	1	Prepared:	11/29/21	Analyzed: 11/29/21
Chloride	6410	400	250	7410	NR	80-120	7.62	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**

ſ	Tap Rock	Project Name:	Contest 211 H	
١	7 W. Compress Road	Project Number:	20046-0001	Reported:
١	Artesia NM, 88210	Project Manager:	Natalie Gladden	11/29/21 16:21

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.



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.

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



AVG Temp °C

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

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envirotech Inc.

Printed: 11/24/2021 1:02:57PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Tap Rock	Date Received:	11/24/21	12:00		Work Order ID:	E111139
Phone:	(575) 390-6397	Date Logged In:	11/24/21	11:12		Logged In By:	Alexa Michaels
Email:	natalie@energystaffingllc.com	Due Date:	11/30/21	17:00 (2 day TAT)			
CI · C	G 4 1 (COC)						
	Custody (COC)		***				
	the sample ID match the COC?	oh the COC	Yes				
	te number of samples per sampling site location mat	cii tile COC	Yes				
	amples dropped off by client or carrier?	. 1 1 0	Yes	Carrier: <u>C</u>	<u>Courrier</u>		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	No				
5. were at	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion		Yes			Comment	s/Resolution
Sample T	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		No				
Sample C	<u>Cooler</u>						
7. Was a s	sample cooler received?		Yes				
8. If yes, v	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
Sample C			<u>~</u>				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?	)	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab		iers conceted.	103				
	field sample labels filled out with the minimum info	rmation:					
	ample ID?	imation.	Yes				
	ate/Time Collected?		Yes				
C	ollectors name?		No				
Sample P	reservation_						
21. Does t	the COC or field labels indicate the samples were pr	eserved?	No				
22. Are sa	imple(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	netals?	No				
Multipha	se Sample Matrix						
26. Does t	the sample have more than one phase, i.e., multiphas	se?	No				
27. If yes,	does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	act Laboratory						
	imples required to get sent to a subcontract laborator	ru?	No				
	subcontract laboratory specified by the client and if	-	NA	Subcontract Lab	» NIA		
		so who.	1111	Subcontract Lat	), IVA		
Client In	<u>struction</u>						

Date

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

Report to:

Natalie Gladden



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

# **Analytical Report**

Tap Rock

Project Name: Contest 211 H

Work Order: E201126

Job Number: 20046-0001

Received: 1/25/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 1/26/22

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: 1/26/22

Natalie Gladden 7 W. Compress Road Artesia, NM 88210

Project Name: Contest 211 H

Workorder: E201126

Date Received: 1/25/2022 9:52:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/25/2022 9:52:00AM, under the Project Name: Contest 211 H.

The analytical test results summarized in this report with the Project Name: Contest 211 H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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**Alexa Michaels** 

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

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Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



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## Sample Summary

Tap Rock	Project Name:	Contest 211 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	01/26/22 17:52

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW 9- Surf	E201126-01A	Soil	01/20/22	01/25/22	Glass Jar, 4 oz.
SW 9-2'	E201126-02A	Soil	01/20/22	01/25/22	Glass Jar, 4 oz.
SW 10- Surf	E201126-03A	Soil	01/20/22	01/25/22	Glass Jar, 4 oz.
SW 10-2'	E201126-04A	Soil	01/20/22	01/25/22	Glass Jar, 4 oz.
SW 11- Surf	E201126-05A	Soil	01/20/22	01/25/22	Glass Jar, 4 oz.
SW 11-2'	E201126-06A	Soil	01/20/22	01/25/22	Glass Jar, 4 oz.
SW 12- Surf	E201126-07A	Soil	01/20/22	01/25/22	Glass Jar, 4 oz.
SW 12-4'	E201126-08A	Soil	01/20/22	01/25/22	Glass Jar, 4 oz.
SW 13- Surf	E201126-09A	Soil	01/20/22	01/25/22	Glass Jar, 4 oz.
SW 13-2'	E201126-10A	Soil	01/20/22	01/25/22	Glass Jar, 4 oz.
SP2-13'	E201126-11A	Soil	01/20/22	01/25/22	Glass Jar, 4 oz.
SP 3-21'	E201126-12A	Soil	01/20/22	01/25/22	Glass Jar, 4 oz.

Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/26/2022 5:52:27PM

## SW 9- Surf E201126-01

		E201120-01					
Aughto	Result	Reporting Limit		ution	Duomonod	Analyzad	Notes
Analyte	Result	Limit	Dill	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2205032
Benzene	ND	0.0250		1	01/25/22	01/26/22	
Ethylbenzene	ND	0.0250		1	01/25/22	01/26/22	
Toluene	ND	0.0250		1	01/25/22	01/26/22	
o-Xylene	ND	0.0250		1	01/25/22	01/26/22	
p,m-Xylene	ND	0.0500		1	01/25/22	01/26/22	
Total Xylenes	ND	0.0250		1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		96.3 %	70-130		01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130		01/25/22	01/26/22	
Surrogate: Toluene-d8		97.6 %	70-130		01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2205032
Gasoline Range Organics (C6-C10)	ND	20.0		1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		96.3 %	70-130		01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130		01/25/22	01/26/22	
Surrogate: Toluene-d8		97.6 %	70-130		01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: Љ		Batch: 2205030
Diesel Range Organics (C10-C28)	ND	25.0		1	01/25/22	01/26/22	
Oil Range Organics (C28-C36)	ND	50.0		1	01/25/22	01/26/22	
Surrogate: n-Nonane		108 %	50-200		01/25/22	01/26/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: RAS		Batch: 2205039
Chloride	2340	20.0		1	01/25/22	01/26/22	



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/26/2022 5:52:27PM

### SW 9-2'

### E201126-02

Aughte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Analyte	Result	Limit	Dili	ution	Prepared	Anaiyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2205032
Benzene	ND	0.0250		1	01/25/22	01/26/22	
Ethylbenzene	ND	0.0250		1	01/25/22	01/26/22	
Toluene	ND	0.0250		1	01/25/22	01/26/22	
o-Xylene	ND	0.0250		1	01/25/22	01/26/22	
p,m-Xylene	ND	0.0500		1	01/25/22	01/26/22	
Total Xylenes	ND	0.0250		1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		95.0 %	70-130		01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		01/25/22	01/26/22	
Surrogate: Toluene-d8		97.5 %	70-130		01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2205032
Gasoline Range Organics (C6-C10)	ND	20.0		1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		95.0 %	70-130		01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		01/25/22	01/26/22	
Surrogate: Toluene-d8		97.5 %	70-130		01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2205030
Diesel Range Organics (C10-C28)	ND	25.0		1	01/25/22	01/26/22	
Oil Range Organics (C28-C36)	ND	50.0		1	01/25/22	01/26/22	
Surrogate: n-Nonane		105 %	50-200		01/25/22	01/26/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2205039
Chloride	ND	20.0		1	01/25/22	01/26/22	



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/26/2022 5:52:27PM

## SW 10- Surf E201126-03

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2205032
Benzene	ND	0.0250	:	1	01/25/22	01/26/22	
Ethylbenzene	ND	0.0250		1	01/25/22	01/26/22	
Toluene	ND	0.0250		1	01/25/22	01/26/22	
o-Xylene	ND	0.0250		1	01/25/22	01/26/22	
p,m-Xylene	ND	0.0500		1	01/25/22	01/26/22	
Total Xylenes	ND	0.0250		1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		95.9 %	70-130		01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		01/25/22	01/26/22	
Surrogate: Toluene-d8		97.9 %	70-130		01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2205032
Gasoline Range Organics (C6-C10)	ND	20.0		1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		95.9 %	70-130		01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		01/25/22	01/26/22	
Surrogate: Toluene-d8		97.9 %	70-130		01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: Л		Batch: 2205030
Diesel Range Organics (C10-C28)	ND	25.0		1	01/25/22	01/26/22	
Oil Range Organics (C28-C36)	ND	50.0		1	01/25/22	01/26/22	
Surrogate: n-Nonane		102 %	50-200		01/25/22	01/26/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: RAS		Batch: 2205039
· · · · · · · · · · · · · · · · · · ·	3750	40.0		2	01/25/22	01/26/22	

Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/26/2022 5:52:27PM

## SW 10-2'

		E201126-04					
		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2205032
Benzene	ND	0.0250	1	1	01/25/22	01/26/22	
Ethylbenzene	ND	0.0250		1	01/25/22	01/26/22	
Toluene	ND	0.0250		1	01/25/22	01/26/22	
o-Xylene	ND	0.0250		1	01/25/22	01/26/22	
p,m-Xylene	ND	0.0500		1	01/25/22	01/26/22	
Total Xylenes	ND	0.0250		1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		96.3 %	70-130		01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		01/25/22	01/26/22	
Surrogate: Toluene-d8		96.3 %	70-130		01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2205032
Gasoline Range Organics (C6-C10)	ND	20.0		1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		96.3 %	70-130		01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		01/25/22	01/26/22	
Surrogate: Toluene-d8		96.3 %	70-130		01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	Л		Batch: 2205030
Diesel Range Organics (C10-C28)	ND	25.0		1	01/25/22	01/26/22	
Oil Range Organics (C28-C36)	ND	50.0		1	01/25/22	01/26/22	
Surrogate: n-Nonane		103 %	50-200		01/25/22	01/26/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2205039
Chloride	ND	20.0		1	01/25/22	01/26/22	



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/26/2022 5:52:27PM

## SW 11- Surf E201126-05

	_	Reporting	_				
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY	Y		Batch: 2205032
Benzene	ND	0.0250	1	I	01/25/22	01/26/22	
Ethylbenzene	ND	0.0250	1	l	01/25/22	01/26/22	
Toluene	ND	0.0250	1	l	01/25/22	01/26/22	
o-Xylene	ND	0.0250	1	l	01/25/22	01/26/22	
p,m-Xylene	ND	0.0500	1	l	01/25/22	01/26/22	
Total Xylenes	ND	0.0250	1	[	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		94.4 %	70-130		01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		01/25/22	01/26/22	
Surrogate: Toluene-d8		96.7 %	70-130		01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	g mg/kg		Analyst: IY			Batch: 2205032
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		94.4 %	70-130		01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		01/25/22	01/26/22	
Surrogate: Toluene-d8		96.7 %	70-130		01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL			Batch: 2205030
Diesel Range Organics (C10-C28)	ND	25.0	1	1	01/25/22	01/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	I	01/25/22	01/26/22	
Surrogate: n-Nonane		106 %	50-200		01/25/22	01/26/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: R.	AS		Batch: 2205039
11110113 by E111 500:0/703011							

Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/26/2022 5:52:27PM

## SW 11-2'

		E201126-06					
		Reporting					
Analyte	Result	Limit	Dilı	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2205032
Benzene	ND	0.0250		1	01/25/22	01/26/22	
Ethylbenzene	ND	0.0250		1	01/25/22	01/26/22	
Toluene	ND	0.0250		1	01/25/22	01/26/22	
o-Xylene	ND	0.0250		1	01/25/22	01/26/22	
p,m-Xylene	ND	0.0500		1	01/25/22	01/26/22	
Total Xylenes	ND	0.0250		1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		95.6 %	70-130		01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		01/25/22	01/26/22	
Surrogate: Toluene-d8		97.0 %	70-130		01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2205032
Gasoline Range Organics (C6-C10)	ND	20.0		1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		95.6 %	70-130		01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		01/25/22	01/26/22	
Surrogate: Toluene-d8		97.0 %	70-130		01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	ЛL		Batch: 2205030
Diesel Range Organics (C10-C28)	ND	25.0		1	01/25/22	01/26/22	
Oil Range Organics (C28-C36)	ND	50.0		1	01/25/22	01/26/22	
Surrogate: n-Nonane		107 %	50-200		01/25/22	01/26/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2205039
Chloride	ND	20.0		1	01/25/22	01/26/22	



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/26/2022 5:52:27PM

## SW 12- Surf E201126-07

Analyte	Result	Reporting Limit	Dilutio	Dronous 1	A malviga J	Notes
Analyte	Resuit	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2205032
Benzene	ND	0.0250	1	01/25/22	01/26/22	
Ethylbenzene	ND	0.0250	1	01/25/22	01/26/22	
Toluene	ND	0.0250	1	01/25/22	01/26/22	
o-Xylene	ND	0.0250	1	01/25/22	01/26/22	
p,m-Xylene	ND	0.0500	1	01/25/22	01/26/22	
Total Xylenes	ND	0.0250	1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		94.4 %	70-130	01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	01/25/22	01/26/22	
Surrogate: Toluene-d8		96.5 %	70-130	01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2205032
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		94.4 %	70-130	01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	01/25/22	01/26/22	
Surrogate: Toluene-d8		96.5 %	70-130	01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ai	nalyst: JL		Batch: 2205030
Diesel Range Organics (C10-C28)	ND	25.0	1	01/25/22	01/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/25/22	01/26/22	
Surrogate: n-Nonane		107 %	50-200	01/25/22	01/26/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: RAS		Batch: 2205039
Chloride	16100	400	20	01/25/22	01/26/22	



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/26/2022 5:52:27PM

### SW 12-4' E201126-08

		E201126-08				
		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	analyst: IY		Batch: 2205032
Benzene	ND	0.0250	1	01/25/22	01/26/22	
Ethylbenzene	ND	0.0250	1	01/25/22	01/26/22	
Toluene	ND	0.0250	1	01/25/22	01/26/22	
p-Xylene	ND	0.0250	1	01/25/22	01/26/22	
p,m-Xylene	ND	0.0500	1	01/25/22	01/26/22	
Total Xylenes	ND	0.0250	1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		95.9 %	70-130	01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	01/25/22	01/26/22	
Surrogate: Toluene-d8		97.5 %	70-130	01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	analyst: IY		Batch: 2205032
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		95.9 %	70-130	01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	01/25/22	01/26/22	
Surrogate: Toluene-d8		97.5 %	70-130	01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	analyst: JL		Batch: 2205030
Diesel Range Organics (C10-C28)	ND	25.0	1	01/25/22	01/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/25/22	01/26/22	
Surrogate: n-Nonane		106 %	50-200	01/25/22	01/26/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: RAS		Batch: 2205039
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Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/26/2022 5:52:27PM

## SW 13- Surf E201126-09

		2201120 07				
Analyte	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
Allalyte				1	Allalyzeu	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2205032
Benzene	ND	0.0250	1	01/25/22	01/26/22	
Ethylbenzene	ND	0.0250	1	01/25/22	01/26/22	
Toluene	ND	0.0250	1	01/25/22	01/26/22	
o-Xylene	ND	0.0250	1	01/25/22	01/26/22	
p,m-Xylene	ND	0.0500	1	01/25/22	01/26/22	
Total Xylenes	ND	0.0250	1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		94.3 %	70-130	01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	01/25/22	01/26/22	
Surrogate: Toluene-d8		96.7 %	70-130	01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2205032
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		94.3 %	70-130	01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	01/25/22	01/26/22	
Surrogate: Toluene-d8		96.7 %	70-130	01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: JL		Batch: 2205030
Diesel Range Organics (C10-C28)	ND	25.0	1	01/25/22	01/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/25/22	01/26/22	
Surrogate: n-Nonane		107 %	50-200	01/25/22	01/26/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: RAS		Batch: 2205039
Chloride	29.7	20.0	1	01/25/22	01/26/22	•

Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/26/2022 5:52:27PM

## SW 13-2'

		E201126-10					
Reporting							
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2205032
Benzene	ND	0.0250		1	01/25/22	01/26/22	
Ethylbenzene	ND	0.0250		1	01/25/22	01/26/22	
Toluene	ND	0.0250		1	01/25/22	01/26/22	
o-Xylene	ND	0.0250		1	01/25/22	01/26/22	
p,m-Xylene	ND	0.0500		1	01/25/22	01/26/22	
Total Xylenes	ND	0.0250		1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		93.5 %	70-130		01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		01/25/22	01/26/22	
Surrogate: Toluene-d8		96.8 %	70-130		01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2205032
Gasoline Range Organics (C6-C10)	ND	20.0		1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		93.5 %	70-130		01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		01/25/22	01/26/22	
Surrogate: Toluene-d8		96.8 %	70-130		01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: ЛL		Batch: 2205030
Diesel Range Organics (C10-C28)	ND	25.0		1	01/25/22	01/26/22	
Oil Range Organics (C28-C36)	ND	50.0		1	01/25/22	01/26/22	
Surrogate: n-Nonane		104 %	50-200		01/25/22	01/26/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: RAS		Batch: 2205039
Chloride	ND	20.0		1	01/25/22	01/26/22	



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/26/2022 5:52:27PM

## SP2-13' E201126-11

D 1	Reporting	F.,				
Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	IY		Batch: 2205032
ND	0.0250		1	01/25/22	01/26/22	
ND	0.0250		1	01/25/22	01/26/22	
ND	0.0250		1	01/25/22	01/26/22	
ND	0.0250		1	01/25/22	01/26/22	
ND	0.0500		1	01/25/22	01/26/22	
ND	0.0250		1	01/25/22	01/26/22	
	95.3 %	70-130		01/25/22	01/26/22	
	104 %	70-130		01/25/22	01/26/22	
	96.5 %	70-130		01/25/22	01/26/22	
mg/kg	mg/kg		Analyst:	IY		Batch: 2205032
ND	20.0		1	01/25/22	01/26/22	
	95.3 %	70-130		01/25/22	01/26/22	
	104 %	70-130		01/25/22	01/26/22	
	96.5 %	70-130		01/25/22	01/26/22	
mg/kg	mg/kg		Analyst:	JL		Batch: 2205030
ND	25.0		1	01/25/22	01/26/22	
ND	50.0		1	01/25/22	01/26/22	
	106 %	50-200	·	01/25/22	01/26/22	
mg/kg	mg/kg		Analyst:	RAS		Batch: 2205039
233	20.0		1	01/25/22	01/26/22	
	ND Mg/kg ND Mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           95.3 %         104 %           96.5 %         mg/kg           ND         20.0           95.3 %         104 %           96.5 %         mg/kg           Mg/kg         mg/kg           ND         25.0           ND         50.0           106 %         mg/kg           mg/kg         mg/kg	Result         Limit         Dil           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           95.3 %         70-130           104 %         70-130           96.5 %         70-130           mg/kg         mg/kg           ND         20.0           95.3 %         70-130           104 %         70-130           96.5 %         70-130           mg/kg         mg/kg           ND         25.0           ND         50.0           mg/kg         mg/kg	Result         Limit         Dilution           mg/kg         mg/kg         Analyst:           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           95.3 %         70-130         70-130           mg/kg         mg/kg         Analyst:           ND         20.0         1           95.3 %         70-130         70-130           mg/kg         mg/kg         Analyst:           ND         25.0         1           ND         50.0         1           106 %         50-200           mg/kg         Analyst:	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         01/25/22           ND         0.0250         1         01/25/22           ND         0.0250         1         01/25/22           ND         0.0250         1         01/25/22           ND         0.0500         1         01/25/22           ND         0.0250         1         01/25/22           ND         0.0250         1         01/25/22           104 %         70-130         01/25/22           95.3 %         70-130         01/25/22           96.5 %         70-130         01/25/22           104 %         70-130         01/25/22           104 %         70-130         01/25/22           96.5 %         70-130         01/25/22           104 %         70-130         01/25/22           96.5 %         70-130         01/25/22           104 %         70-130         01/25/22           105 %         70-130         01/25/22           100 %         50.0         1         01/25/22           100 % <t< td=""><td>Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY         ND         0.0250         1         01/25/22         01/26/22           ND         0.0250         1         01/25/22         01/26/22         01/26/22           ND         0.0250         1         01/25/22         01/26/22           ND         0.0250         1         01/25/22         01/26/22           ND         0.0500         1         01/25/22         01/26/22           ND         0.0250         1         01/25/22         01/26/22           ND         0.0250         1         01/25/22         01/26/22           ND         0.0250         1         01/25/22         01/26/22           104 %         70-130         01/25/22         01/26/22           96.5 %         70-130         01/25/22         01/26/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         01/25/22         01/26/22           104 %         70-130         01/25/22         01/26/22           mg/kg         mg/kg         Analyst: JL           ND         50.0</td></t<>	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY         ND         0.0250         1         01/25/22         01/26/22           ND         0.0250         1         01/25/22         01/26/22         01/26/22           ND         0.0250         1         01/25/22         01/26/22           ND         0.0250         1         01/25/22         01/26/22           ND         0.0500         1         01/25/22         01/26/22           ND         0.0250         1         01/25/22         01/26/22           ND         0.0250         1         01/25/22         01/26/22           ND         0.0250         1         01/25/22         01/26/22           104 %         70-130         01/25/22         01/26/22           96.5 %         70-130         01/25/22         01/26/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         01/25/22         01/26/22           104 %         70-130         01/25/22         01/26/22           mg/kg         mg/kg         Analyst: JL           ND         50.0



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/26/2022 5:52:27PM

## SP 3-21'

		E201126-12					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2205032
Benzene	ND	0.0250		1	01/25/22	01/26/22	
Ethylbenzene	ND	0.0250		1	01/25/22	01/26/22	
Toluene	ND	0.0250		1	01/25/22	01/26/22	
o-Xylene	ND	0.0250		1	01/25/22	01/26/22	
p,m-Xylene	ND	0.0500		1	01/25/22	01/26/22	
Total Xylenes	ND	0.0250		1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		94.7 %	70-130		01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		01/25/22	01/26/22	
Surrogate: Toluene-d8		94.9 %	70-130		01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2205032
Gasoline Range Organics (C6-C10)	ND	20.0		1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		94.7 %	70-130		01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		01/25/22	01/26/22	
Surrogate: Toluene-d8		94.9 %	70-130		01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	JL		Batch: 2205030
Diesel Range Organics (C10-C28)	ND	25.0		1	01/25/22	01/26/22	
Oil Range Organics (C28-C36)	ND	50.0		1	01/25/22	01/26/22	
Surrogate: n-Nonane		106 %	50-200		01/25/22	01/26/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2205039
Chloride	321	20.0		1	01/25/22	01/26/22	



## **QC Summary Data**

Contest 211 H Tap Rock Project Name: Reported: Project Number: 7 W. Compress Road 20046-0001 Artesia NM, 88210 Project Manager: Natalie Gladden 1/26/2022 5:52:27PM **Volatile Organic Compounds by EPA 8260B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2205032-BLK1) Prepared: 01/25/22 Analyzed: 01/25/22 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 ND 0.0250 Total Xylenes Surrogate: Bromofluorobenzene 0.472 0.500 94.3 70-130 Surrogate: 1,2-Dichloroethane-d4 0.509 0.500 102 70-130 0.500 96.7 70-130 Surrogate: Toluene-d8 0.484 LCS (2205032-BS1) Prepared: 01/25/22 Analyzed: 01/26/22 2.76 0.0250 2.50 110 70-130 Benzene 2.74 2.50 109 70-130 Ethylbenzene 0.0250 2.76 0.0250 2.50 110 70-130 2.69 70-130 0.0250 2.50 108 o-Xylene 5.39 5.00 108 70-130 p,m-Xylene 0.0500 8.08 0.0250 7.50 108 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.479 0.500 95.8 70-130 0.500 102 70-130 Surrogate: 1,2-Dichloroethane-d4 0.511 70-130 Surrogate: Toluene-d8 0.499 0.500 Matrix Spike (2205032-MS1) Source: E201126-02 Prepared: 01/25/22 Analyzed: 01/26/22 2.85 0.0250 2.50 ND 114 48-131 45-135 Ethylbenzene 2.83 0.0250 2.50 ND 113 ND 48-130 Toluene 2.82 0.0250 2.50 113 2.80 0.0250 2.50 ND 112 43-135 o-Xylene ND 111 43-135 p,m-Xylene 5.56 0.0500 5.00 Total Xylenes 8.37 0.0250 7.50 ND 112 43-135 Surrogate: Bromofluorobenzene 0.481 0.500 96.2 70-130 0.500 99.1 70-130 Surrogate: 1,2-Dichloroethane-d4 0.496 0.500 70-130 0.491 98.1 Surrogate: Toluene-d8 Matrix Spike Dup (2205032-MSD1) Source: E201126-02 Prepared: 01/25/22 Analyzed: 01/26/22 2.70 0.0250 2.50 ND 108 48-131 5.37 23 2.68 0.0250 2.50 ND 45-135 5.47 27 Ethylbenzene ND 48-130 6.22 24 2.65 2.50 106 Toluene 0.0250 o-Xylene 2.63 0.0250 2.50 ND 105 43-135 6.27 27 5.00 ND 105 43-135 5.53 27 5.26 p,m-Xylene 0.0500 27 7.90 0.0250 7.50 ND 105 43-135 5.77 Total Xylenes Surrogate: Bromofluorobenzene 0.482 0.500 96.3 70-130



0.500

0.500

0.512

0.496

102

99.2

70-130

70-130

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

Analyst: IY

# **QC Summary Data**

Contest 211 H Tap Rock Project Name: Reported: 7 W. Compress Road Project Number: 20046-0001 Artesia NM, 88210 Project Manager: Natalie Gladden 1/26/2022 5:52:27PM

Nonhalogenated Organics by EPA 8015D - GRO	
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Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Timily to	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2205032-BLK1)							Prepared: 01	1/25/22 Analy	zed: 01/25/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.472		0.500		94.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.484		0.500		96.7	70-130			
LCS (2205032-BS2)							Prepared: 01	1/25/22 Analy	zed: 01/26/22
Gasoline Range Organics (C6-C10)	54.9	20.0	50.0		110	70-130			
Surrogate: Bromofluorobenzene	0.473		0.500		94.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130			
Surrogate: Toluene-d8	0.500		0.500		99.9	70-130			
Matrix Spike (2205032-MS2)				Source:	E201126-0	02	Prepared: 01	1/25/22 Analy	zed: 01/26/22
Gasoline Range Organics (C6-C10)	56.7	20.0	50.0	ND	113	70-130			
Surrogate: Bromofluorobenzene	0.478		0.500		95.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			
Matrix Spike Dup (2205032-MSD2)				Source:	E201126-0	02	Prepared: 01	1/25/22 Analy	zed: 01/26/22
Gasoline Range Organics (C6-C10)	56.7	20.0	50.0	ND	113	70-130	0.0582	20	
Surrogate: Bromofluorobenzene	0.478		0.500		95.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			



# **QC Summary Data**

Tap Rock	Project Name:	Contest 211 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	·
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/26/2022 5:52:27PM

Artesia NM, 88210		Project Manage	r: N	atalie Gladden					1/26/2022 5:52:27PM
	Nonha	logenated Or	ganics by	EPA 8015D	- DRO	ORO/			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2205030-BLK1)							Prepared: 0	1/25/22 A	nalyzed: 01/25/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.9		50.0		106	50-200			
LCS (2205030-BS1)							Prepared: 0	1/25/22 A	nalyzed: 01/25/22
Diesel Range Organics (C10-C28)	544	25.0	500		109	38-132			
Surrogate: n-Nonane	52.9		50.0		106	50-200			
Matrix Spike (2205030-MS1)				Source: 1	E <b>201126-</b> 0	)1	Prepared: 0	1/25/22 A	nalyzed: 01/25/22
Diesel Range Organics (C10-C28)	561	25.0	500	ND	112	38-132			
Surrogate: n-Nonane	54.0		50.0		108	50-200			
Matrix Spike Dup (2205030-MSD1)				Source: 1	E <b>201126-</b> 0	)1	Prepared: 0	1/25/22 A	nalyzed: 01/25/22
Diesel Range Organics (C10-C28)	581	25.0	500	ND	116	38-132	3.56	20	
Surrogate: n-Nonane	52.7		50.0		105	50-200			



## **QC Summary Data**

Tap Rock		Project Name: Contest 211 H Project Number: 20046-0001							Reported:
7 W. Compress Road Artesia NM, 88210		Project Number: Project Manager	ı			1/26/2022 5:52:27PM			
		Anions	by EPA 3	300.0/9056	4				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2205039-BLK1)							Prepared: 0	1/25/22 A	nalyzed: 01/26/22
Chloride	ND	20.0							
LCS (2205039-BS1)							Prepared: 0	1/25/22 A	nalyzed: 01/26/22
Chloride	248	20.0	250		99.3	90-110			
Matrix Spike (2205039-MS1)				Source:	E201126-0	)2	Prepared: 0	1/25/22 A	nalyzed: 01/26/22
Chloride	248	20.0	250	ND	99.1	80-120			
Matrix Spike Dup (2205039-MSD1)				Source:	E201126-0	)2	Prepared: 0	1/25/22 A	nalyzed: 01/26/22
Chloride	247	20.0	250	ND	98.6	80-120	0.422	20	

#### QC Summary Report Comment:

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



## **Definitions and Notes**

ſ	Tap Rock	Project Name:	Contest 211 H	
ı	7 W. Compress Road	Project Number:	20046-0001	Reported:
l	Artesia NM, 88210	Project Manager:	Natalie Gladden	01/26/22 17:52

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

	7		2
Page _	1	of	0

Received by OCD: 7/14/2022 8:47:14 AM

Client: TAPROCK						Bill To			[		ab Us	se On	ly				TA	EPA P	rogram	
	CONTS	ST	21/4		A	ttention: 655	- 41	Lab	WO#	1.0	,	Job	Num	ber	1D	2D	3D	Standard	CWA	SDWA
Project N	lanager:				I A	ddress: 2724 Wcayw7	YKO	E	20	11 9	0	200	40	1000				\ \		1 =
Address:	-					ddress: 2714 Wcayw7 ity, State, Zip HOBBS Not hone: (575) 390-639 mail: VATALIC GL	W 8250							nd Metho	d					RCRA
City, Stat	e, Zip	-			<u>  P</u>	none: (575) 370-634	7									2				
Phone:					E	mail: NATHUE GL	100 EN	015	8015							3			State	
Email:								by 8	by 8	121	09	9	0.00			8		NM CO	UT AZ	TX
Report d	ue by:		-		$\perp$			. SR	80	9 80	/ 82	601	Je 3(					1		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	DRO/ORO by 8015	GRO/DRO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			860		,	Remarks	
12:45	-1-20	S	1,	54	9	- SYRK	1									X				
12:50				54	19	- ユー	2													
1:15						- SyRF	3									1				
1:18				Sw	10	- 2 -	4													
1:40				54	11	SURF	5													Al
1:46				54	11-	2-	6									П				
2:00				54	112	- 542R	7													
2:45				54	1/2	-4-	8													
3:00				54	13	sun!	9													
3:10				50	13	-2-	10									1				
Addition	al Instructio	ns:															7			
				y of this sample. I be grounds for le		hat tampering with or intentionally mislabe Sampled by: MACC	lling the sample lo	Cation	7									eived on ice the day t °C on subsequent da		d or received
1 hate	ed by: (Signatur	plade	L 1/2	4/22 Tin	ne 2:11	Received by: (Signature)	Date 1.24.	22	Time	411	,	Rece	ived	on ice:		ab Us	e Onl	ly	156	10
Relinquish	ed by: (Signatur	9)	Date		ie	Received by: (Signature)	Date 1/25/		Time			T1		on icc.	T2	, 14		Т3	1	34 B
Relinquish	ed by: (Signatur	e)	Date	Tin	ne	Received by: (Signature)	Date		Time				Ton	p°C 4	/				10 10	
Sample Mati	rix: S - Soil, Sd - Se	olid Se - Shu	ige A - Aque	ous O. Other			Containe	Tue		dass						2.300			7.8	C.
Note: Sami	oles are discard	ed 30 days	after recult	s are reported	inless other	r arrangements are made. Hazardous	Container	туре	. B - E	sidSS,	h - bc	Jy/pla	astic,	ag - ambe	er glas	5, V -	VUA			
samples is	applicable only	to those sa	mples rece	ived by the labo	ratory wit	this COC. The liability of the laborator	ry is limited to t	ietai	ount r	aid fo	r on t	ho ron	u ur a	the client	exper	ise. I	ne rep	ort for the analy	sis of the ab	ove



Client:	TAPR	ock			T	Bill To			) V		ab U	se Or	-				TA		EPA P	rogram
Project:	CONT	ST	211 H			Attention: KSS		Lab	WO#			Job	Numl	per	10	2D	3D	Standard	CWA	SDWA
Project N Address:	ianager:					Address: 2724 W COU	807111	E 20 11 26 200										$\rightarrow$		
City, Stat	e. Zip				1 1	Phone: (525) 390-4.3	97	-				Anan	sis ar	d Meth	loa	1 6	J			RCRA
Phone:	7					Email: NATALIS (	ity, State, Zip HOBBS Nr. \$8240 hone: (\$75) 390-6397 mail: NATALIS GLADSEN									3			State	1
Email:									y 8015	=	0		0.0			3		NM CO	UT AZ	TX
Report d	ue by:		F					RO by	RO b	y 802	826	6010	e 30(			13		1		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	DRO/ORO	GRO/DRO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			St. Duc. Du			Remarks	
11:35	1-20	5	1	Sp	2 -	13-	K									X	1			
1/:45	1-20	S	1	SP	3-	21	12									X				
						*														
								T						+	+	+				
-							*							+	+	+				
		-					-							+	+	-				
							-	-	_		-			-	+	-	-			
-															_					
	al Instruction																			
I, (field samp	ler), attest to the	validity and	authenticity	of this sample.	l am awar	e that tampering with or intentionally mislabe Sampled by: MAC	elling the sample I	ocation	111	1	ور							rived on ice the day th		ed or received
Refinquishe	ed by: (Signatur	e)	Date	Tir	ne Z:11	Received by: (Signature)	Date 1-24.		Time	141	1			on ice:			se Only	The second second	71%	7 N.
Relinquishe	ed by: (Signatur	2/	Date	Tir	ne 1830	Received by: (Signature)	Date 1/251		Llime	52		T1	iveu	on ice.	TO	/ 14		TO	. 3	3 19
Relipquishe	ed by: (Signature	e)	Date	Tir	ne	Received by: (Signature)	Date	40	Time				T	o°C	4			<u>T3</u>	- 16	System
Sample Matr	ix: S - Soil, Sd - Sc	lid, Sg - Sluc	lge, A - Aque	ous, O - Other			Containe	r Type		lacc						occ v	VOA	0	- 4	
Note: Samp	les are discarde	ed 30 days	after result	s are reported	unless ot	her arrangements are made. Hazardous	s samples will b	retur	ned to	client	t or d	spose	d of at	the clie	nt expe	ense.	The repo	ort for the analys	is of the al	bove

# @ envirotech

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Printed: 1/25/2022 10:18:50AM

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

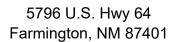
Client:	Tap Rock	Date Received:	01/25/22	09:52		Work Order ID:	E201126
Phone:	(575) 390-6397	Date Logged In:	01/25/22	10:10		Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:		17:00 (1 day TAT)			
Chain of	Custody (COC)						
1. Does th	ne sample ID match the COC?		Yes				
2. Does th	ne number of samples per sampling site location mat	tch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: Ca	ırrier		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were al	Il samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in					Comments	s/Resolution
Cample T	i.e, 15 minute hold time, are not included in this disucssion.	on.		Г		Comment	, and the second
	urn Around Time (TAT) COC indicate standard TAT, or Expedited TAT?		Yes				
	•		103				
Sample C	cample cooler received?		Yes				
	was cooler received in good condition?		Yes				
•	e sample(s) received intact, i.e., not broken?						
			Yes				
	custody/security seals present?		No				
•	were custody/security seals intact?		NA				
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling		Yes				
13. If no v	visible ice, record the temperature.  Actual sample	temperature: 4°0	<u>C</u>				
Sample C	Container						
	queous VOC samples present?		No				
15. Are V	OC samples collected in VOA Vials?		NA				
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	trip blank (TB) included for VOC analyses?		NA				
18. Are no	on-VOC samples collected in the correct containers'	?	Yes				
19. Is the a	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lab	<u>oel</u>						
20. Were	field sample labels filled out with the minimum info	ormation:					
	ample ID?		Yes				
	ate/Time Collected?		No	_			
	ollectors name?		No				
	reservation the COC or field labels indicate the samples were pr	racamiad?	No				
	ample(s) correctly preserved?	reserveu:	No NA				
	filteration required and/or requested for dissolved n	netals?	No				
	•	icans.	110				
	se Sample Matrix	9	2.7				
	the sample have more than one phase, i.e., multipha		No				
	does the COC specify which phase(s) is to be analy	yzeu?	NA				
	act Laboratory						
	imples required to get sent to a subcontract laborator	•	No				
29. Was a	subcontract laboratory specified by the client and it	f so who?	NA	Subcontract Lab:	na		
Client In	<u>istruction</u>						

Date

Report to:

Natalie Gladden





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





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Practical Solutions for a Better Tomorrow

# **Analytical Report**

Tap Rock

Project Name: Contest 211 H

Work Order: E201142

Job Number: 20046-0001

Received: 1/28/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 2/3/22

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: 2/3/22

Natalie Gladden 7 W. Compress Road Artesia, NM 88210

Project Name: Contest 211 H

Workorder: E201142

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: Contest 211 H.

The analytical test results summarized in this report with the Project Name: Contest 211 H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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Cell: 775-287-1762

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Raina Schwanz

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Rayny Hagan

West Texas Midland/Odessa Area

Envirotech Web Address: www.envirotech-inc.com



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## Sample Summary

Tap Rock	Project Name:	Contest 211 H	Denouted
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	02/03/22 14:00

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP4-25'	E201142-01A	Soil	01/24/22	01/28/22	Glass Jar, 4 oz.
SP6-24'	E201142-02A	Soil	01/24/22	01/28/22	Glass Jar, 4 oz.
SW14-Surf	E201142-03A	Soil	01/24/22	01/28/22	Glass Jar, 4 oz.
SW14-2'	E201142-04A	Soil	01/24/22	01/28/22	Glass Jar, 4 oz.
SW15-Surf	E201142-05A	Soil	01/24/22	01/28/22	Glass Jar, 4 oz.
SW15-2'	E201142-06A	Soil	01/24/22	01/28/22	Glass Jar, 4 oz.
SW16-Surf	E201142-07A	Soil	01/24/22	01/28/22	Glass Jar, 4 oz.
SW16-3'	E201142-08A	Soil	01/24/22	01/28/22	Glass Jar, 4 oz.
SW17-Surf	E201142-09A	Soil	01/24/22	01/28/22	Glass Jar, 4 oz.
SW17-3'	E201142-10A	Soil	01/24/22	01/28/22	Glass Jar, 4 oz.



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	2/3/2022 2:00:32PM

## SP4-25' E201142-01

	E201142-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: IY		Batch: 2205067
ND	0.0250	1	01/28/22	01/31/22	
ND	0.0250	1	01/28/22	01/31/22	
ND	0.0250	1	01/28/22	01/31/22	
ND	0.0250	1	01/28/22	01/31/22	
ND	0.0500	1	01/28/22	01/31/22	
ND	0.0250	1	01/28/22	01/31/22	
	96.5 %	70-130	01/28/22	01/31/22	
mg/kg	mg/kg	/kg Analyst: IY			Batch: 2205067
ND	20.0	1	01/28/22	01/31/22	
	104 %	70-130	01/28/22	01/31/22	
mg/kg	mg/kg	Anal	yst: JL		Batch: 2205060
ND	25.0	1	01/28/22	01/29/22	
ND	50.0	1	01/28/22	01/29/22	
	86.7 %	50-200	01/28/22	01/29/22	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2206010
199	20.0	1	02/01/22	02/02/22	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result         Reporting Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         20.0250           Mg/kg         mg/kg           MD         20.0           104 %         mg/kg           ND         25.0           ND         50.0           86.7 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           MD         0.0250         1           MD         20.0250         1           Mg/kg         mg/kg         Analy           ND         20.0         1           Mg/kg         mg/kg         Analy           ND         25.0         1           ND         50.0         1           86.7 %         50-200           mg/kg         mg/kg         Analy	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         01/28/22           ND         0.0250         1         01/28/22           ND         0.0250         1         01/28/22           ND         0.0250         1         01/28/22           ND         0.0500         1         01/28/22           ND         0.0250         1         01/28/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         01/28/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         01/28/22           ND         50.0         1         01/28/22	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         01/28/22         01/31/22           ND         0.0250         1         01/28/22         01/31/22           ND         0.0250         1         01/28/22         01/31/22           ND         0.0500         1         01/28/22         01/31/22           ND         0.0250         1         01/28/22         01/31/22           ND         0.0250         1         01/28/22         01/31/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         01/28/22         01/31/22           mg/kg         mg/kg         Analyst: JL         ND         25.0         1         01/28/22         01/31/22           ND         25.0         1         01/28/22         01/29/22         01/29/22           ND         50.0         1         01/28/22         01/29/22           ND         50.0         1         01/28/22         01/29/22           ND         50.0         0         01/28/2



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	2/3/2022 2:00:32PM

### SP6-24'

### E201142-02

	Danartina				
Result	Limit		on Prepared	Analyzed	Notes
mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2205067
ND	0.0250	1	01/28/22	01/31/22	
ND	0.0250	1	01/28/22	01/31/22	
ND	0.0250	1	01/28/22	01/31/22	
ND	0.0250	1	01/28/22	01/31/22	
ND	0.0500	1	01/28/22	01/31/22	
ND	0.0250	1	01/28/22	01/31/22	
	100 %	70-130	01/28/22	01/31/22	
mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2205067
ND	20.0	1	01/28/22	01/31/22	
	104 %	70-130	01/28/22	01/31/22	
mg/kg	mg/kg	Ar	nalyst: JL		Batch: 2205060
ND	25.0	1	01/28/22	01/29/22	
ND	50.0	1	01/28/22	01/29/22	
	96.8 %	50-200	01/28/22	01/29/22	
mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2206010
	mg/kg  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         20.0250           IO0 %         mg/kg           MD         20.0           IO4 %         mg/kg           ND         25.0           ND         50.0	mg/kg         mg/kg         A           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         20.0250         1           MB/kg         mg/kg         A           ND         20.0         1           Ind4 %         70-130         70-130           mg/kg         mg/kg         A           ND         25.0         1           ND         50.0         1	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         01/28/22           ND         0.0250         1         01/28/22           ND         0.0250         1         01/28/22           ND         0.0250         1         01/28/22           ND         0.0500         1         01/28/22           ND         0.0250         1         01/28/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         01/28/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         01/28/22           ND         25.0         1         01/28/22           ND         50.0         1         01/28/22	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         01/28/22         01/31/22           ND         0.0250         1         01/28/22         01/31/22           ND         0.0250         1         01/28/22         01/31/22           ND         0.0500         1         01/28/22         01/31/22           ND         0.0250         1         01/28/22         01/31/22           ND         0.0250         1         01/28/22         01/31/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         01/28/22         01/31/22           mg/kg         mg/kg         Analyst: JL         01/31/22           mg/kg         mg/kg         Analyst: JL         ND         25.0         1         01/28/22         01/29/22           ND         25.0         1         01/28/22         01/29/22         01/29/22           ND         50.0         1         01/28/22         01/29/22



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	2/3/2022 2:00:32PM

## SW14-Surf

E201142-03						
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2205067
Benzene	ND	0.0250	1	01/28/22	01/31/22	
Ethylbenzene	ND	0.0250	1	01/28/22	01/31/22	
Toluene	ND	0.0250	1	01/28/22	01/31/22	
o-Xylene	ND	0.0250	1	01/28/22	01/31/22	
p,m-Xylene	ND	0.0500	1	01/28/22	01/31/22	
Total Xylenes	ND	0.0250	1	01/28/22	01/31/22	
Surrogate: 4-Bromochlorobenzene-PID		99.0 %	70-130	01/28/22	01/31/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2205067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/22	01/31/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	01/28/22	01/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2205060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/22	01/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/22	01/29/22	
Surrogate: n-Nonane		94.4 %	50-200	01/28/22	01/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2206010
Chloride	ND	20.0	1	02/01/22	02/02/22	



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	2/3/2022 2:00:32PM

### SW14-2'

### E201142-04

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2205067
Benzene	ND	0.0250	1	01/28/22	01/31/22	
Ethylbenzene	ND	0.0250	1	01/28/22	01/31/22	
Toluene	ND	0.0250	1	01/28/22	01/31/22	
o-Xylene	ND	0.0250	1	01/28/22	01/31/22	
p,m-Xylene	ND	0.0500	1	01/28/22	01/31/22	
Total Xylenes	ND	0.0250	1	01/28/22	01/31/22	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	01/28/22	01/31/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2205067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/22	01/31/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	01/28/22	01/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2205060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/22	01/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/22	01/29/22	
Surrogate: n-Nonane		99.1 %	50-200	01/28/22	01/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: IY		Batch: 2206010
	ND	20.0	1	02/01/22	02/02/22	



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	2/3/2022 2:00:32PM

## SW15-Surf E201142-05

		E201142-05				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
Tillalyee	resur	Emit	Diffation	repared	7 Hary Zea	rotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2205067
Benzene	ND	0.0250	1	01/28/22	01/31/22	
Ethylbenzene	ND	0.0250	1	01/28/22	01/31/22	
Toluene	ND	0.0250	1	01/28/22	01/31/22	
o-Xylene	ND	0.0250	1	01/28/22	01/31/22	
p,m-Xylene	ND	0.0500	1	01/28/22	01/31/22	
Total Xylenes	ND	0.0250	1	01/28/22	01/31/22	
Surrogate: 4-Bromochlorobenzene-PID		99.4 %	70-130	01/28/22	01/31/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2205067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/22	01/31/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	01/28/22	01/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2205060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/22	01/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/22	01/29/22	
Surrogate: n-Nonane		96.5 %	50-200	01/28/22	01/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2206010
Chloride	705	20.0	1	02/01/22	02/02/22	



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	2/3/2022 2:00:32PM

### SW15-2'

### E201142-06

Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2205067
Benzene	ND	0.0250	1	01/28/22	02/01/22	
Ethylbenzene	ND	0.0250	1	01/28/22	02/01/22	
Toluene	ND	0.0250	1	01/28/22	02/01/22	
o-Xylene	ND	0.0250	1	01/28/22	02/01/22	
p,m-Xylene	ND	0.0500	1	01/28/22	02/01/22	
Total Xylenes	ND	0.0250	1	01/28/22	02/01/22	
Surrogate: 4-Bromochlorobenzene-PID		99.9 %	70-130	01/28/22	02/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2205067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/22	02/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	01/28/22	02/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2205060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/22	01/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/22	01/29/22	
Surrogate: n-Nonane		95.2 %	50-200	01/28/22	01/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2206010
Chloride	ND	20.0	1	02/01/22	02/02/22	



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	2/3/2022 2:00:32PM

## SW16-Surf E201142-07

Reporting Limit  mg/kg	Dilution Analys	Prepared	Analyzed	Notes
	Analys	. TV		
0.0250		ST: 1 Y		Batch: 2205067
0.0230	1	01/28/22	02/01/22	
0.0250	1	01/28/22	02/01/22	
0.0250	1	01/28/22	02/01/22	
0.0250	1	01/28/22	02/01/22	
0.0500	1	01/28/22	02/01/22	
0.0250	1	01/28/22	02/01/22	
98.7 %	70-130	01/28/22	02/01/22	
g mg/kg	Analys	st: IY		Batch: 2205067
20.0	1	01/28/22	02/01/22	
104 %	70-130	01/28/22	02/01/22	
g mg/kg	Analys	st: JL		Batch: 2205060
25.0	1	01/28/22	01/29/22	
50.0	1	01/28/22	01/29/22	
93.0 %	50-200	01/28/22	01/29/22	
g mg/kg	Analys	st: IY		Batch: 2206010
40.0	2	02/01/22	02/02/22	
	0.0250 0.0250 0.0500 0.0250  98.7 %  g mg/kg 20.0  104 %  g mg/kg 25.0 50.0  93.0 %  g mg/kg	0.0250 1 0.0250 1 0.0250 1 0.0250 1 0.0500 1 0.0250 1  98.7 % 70-130  g mg/kg Analys 20.0 1  104 % 70-130  g mg/kg Analys 25.0 1 50.0 1  93.0 % 50-200  g mg/kg Analys	0.0250 1 01/28/22 0.0250 1 01/28/22 0.0250 1 01/28/22 0.0500 1 01/28/22 0.0250 1 01/28/22 0.0250 1 01/28/22 98.7 % 70-130 01/28/22 g mg/kg Analyst: IY 20.0 1 01/28/22 104 % 70-130 01/28/22 104 % 70-130 01/28/22 50.0 1 01/28/22 93.0 % 50-200 01/28/22	0.0250 1 01/28/22 02/01/22 0.0250 1 01/28/22 02/01/22 0.0250 1 01/28/22 02/01/22 0.0500 1 01/28/22 02/01/22 0.0250 1 01/28/22 02/01/22 0.0250 1 01/28/22 02/01/22  98.7 % 70-130 01/28/22 02/01/22  g mg/kg Analyst: IY  20.0 1 01/28/22 02/01/22  104 % 70-130 01/28/22 02/01/22  104 % 70-130 01/28/22 02/01/22  25 0 1 01/28/22 01/29/22  50.0 1 01/28/22 01/29/22  93.0 % 50-200 01/28/22 01/29/22  93.0 % Analyst: IY



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	2/3/2022 2:00:32PM

### SW16-3'

### E201142-08

		Danastin a				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: IY	<u>-</u>	Batch: 2205067
Benzene	ND	0.0250	1	01/28/22	02/01/22	
Ethylbenzene	ND	0.0250	1	01/28/22	02/01/22	
Toluene	ND	0.0250	1	01/28/22	02/01/22	
o-Xylene	ND	0.0250	1	01/28/22	02/01/22	
p,m-Xylene	ND	0.0500	1	01/28/22	02/01/22	
Total Xylenes	ND	0.0250	1	01/28/22	02/01/22	
Surrogate: 4-Bromochlorobenzene-PID		97.7 %	70-130	01/28/22	02/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2205067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/22	02/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	01/28/22	02/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2205060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/22	01/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/22	01/29/22	
Surrogate: n-Nonane		91.7 %	50-200	01/28/22	01/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2206010
			_		_	



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	2/3/2022 2:00:32PM

## SW17-Surf E201142-09

		E201142-07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: IY		Batch: 2205067
Benzene	ND	0.0250	1	01/28/22	02/01/22	
Ethylbenzene	ND	0.0250	1	01/28/22	02/01/22	
Toluene	ND	0.0250	1	01/28/22	02/01/22	
o-Xylene	ND	0.0250	1	01/28/22	02/01/22	
p,m-Xylene	ND	0.0500	1	01/28/22	02/01/22	
Total Xylenes	ND	0.0250	1	01/28/22	02/01/22	
Surrogate: 4-Bromochlorobenzene-PID		97.2 %	70-130	01/28/22	02/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: IY		Batch: 2205067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/22	02/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	01/28/22	02/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: JL		Batch: 2205060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/22	01/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/22	01/29/22	
Surrogate: n-Nonane		101 %	50-200	01/28/22	01/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: IY		Batch: 2206010
Chloride	13000	400	20	02/01/22	02/02/22	<del></del>



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	2/3/2022 2:00:32PM

## SW17-3'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: IY		Batch: 2205067
Benzene	ND	0.0250	1	01/28/22	02/01/22	
Ethylbenzene	ND	0.0250	1	01/28/22	02/01/22	
Toluene	ND	0.0250	1	01/28/22	02/01/22	
o-Xylene	ND	0.0250	1	01/28/22	02/01/22	
p,m-Xylene	ND	0.0500	1	01/28/22	02/01/22	
Total Xylenes	ND	0.0250	1	01/28/22	02/01/22	
Surrogate: 4-Bromochlorobenzene-PID		97.7 %	70-130	01/28/22	02/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2205067	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/22	02/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	01/28/22	02/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2205060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/22	01/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/22	01/29/22	
Surrogate: n-Nonane		99.2 %	50-200	01/28/22	01/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2206010



## **QC Summary Data**

Contest 211 H Tap Rock Project Name: Reported: 7 W. Compress Road Project Number: 20046-0001 Artesia NM, 88210 Project Manager: Natalie Gladden 2/3/2022 2:00:32PM **Volatile Organics by EPA 8021B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2205067-BLK1) Prepared: 01/28/22 Analyzed: 01/31/22 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.23 8.00 90.4 70-130 LCS (2205067-BS1) Prepared: 01/28/22 Analyzed: 01/31/22 4.34 86.8 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.49 0.0250 5.00 89.9 70-130 4.70 0.0250 5.00 94.0 70-130 Toluene o-Xylene 4.44 0.0250 5.00 88.8 70-130 9.13 10.0 91.3 70-130 0.0500 p.m-Xvlene 90.5 70-130 13.6 15.0 Total Xylenes 0.0250 8.00 93.3 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.46 Matrix Spike (2205067-MS1) Source: E201142-01 Prepared: 01/28/22 Analyzed: 01/31/22 4.57 0.0250 5.00 ND 91.3 54-133 Benzene ND 94.5 61-133 Ethylbenzene 4.73 0.0250 5.00 Toluene 4.91 0.0250 5.00 ND 98.3 61-130 4.67 ND 93.3 63-131 5.00 0.0250 o-Xylene p,m-Xylene 9.58 0.0500 10.0 ND 95.8 63-131 14.3 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.92 8.00 Matrix Spike Dup (2205067-MSD1) Source: E201142-01 Prepared: 01/28/22 Analyzed: 01/31/22 4.78 0.0250 5.00 ND 95.5 54-133 4.51 20 61-133 5.28 4.98 0.0250 5.00 ND 99.6 20 Ethylbenzene 61-130 Toluene 5 14 0.0250 5.00 ND 103 4 56 20 4.92 5.00 ND 98.3 63-131 5.23 20 o-Xylene 0.0250 10.1 10.0 ND 101 63-131 5.05 20 p,m-Xylene 0.0500 Total Xylenes 15.0 0.0250 15.0 ND 100 63-131 5.11 20

8.00

99.2

70-130



Surrogate: 4-Bromochlorobenzene-PID

7.93

Surrogate: 1-Chloro-4-fluorobenzene-FID

# **QC Summary Data**

Tap Rock	Project Name:	Contest 211 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	2/3/2022 2:00:32PM

Artesia NM, 88210		Project Manage		atalie Gladden	l				2/3/2022 2:00:32PM
	Non	halogenated	Organics	by EPA 801	15D - G	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2205067-BLK1)							Prepared: 0	1/28/22 An	nalyzed: 01/31/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.18		8.00		102	70-130			
LCS (2205067-BS2)							Prepared: 0	1/28/22 An	nalyzed: 01/31/22
Gasoline Range Organics (C6-C10)	44.8	20.0	50.0		89.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.38		8.00		105	70-130			
Matrix Spike (2205067-MS2)				Source:	E201142-	01	Prepared: 0	1/28/22 An	nalyzed: 01/31/22
Gasoline Range Organics (C6-C10)	50.7	20.0	50.0	ND	101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.54		8.00		107	70-130			
Matrix Spike Dup (2205067-MSD2)				Source:	E201142-	01	Prepared: 0	1/28/22 An	nalyzed: 01/31/22
Gasoline Range Organics (C6-C10)	50.4	20.0	50.0	ND	101	70-130	0.672	20	

8.00

8.57

107

70-130

Tap Rock	Project Name:	Contest 211 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	2/3/2022 2:00:32PM

Artesia NM, 88210		Project Manage	r: N	atalie Gladden					2/3/2022 2:00:32PM
	Nonha	logenated Or	ganics by	EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2205060-BLK1)							Prepared: 0	1/28/22 A	nalyzed: 01/29/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.4		50.0		98.8	50-200			
LCS (2205060-BS1)							Prepared: 0	1/28/22 A	nalyzed: 01/29/22
Diesel Range Organics (C10-C28)	515	25.0	500		103	38-132			
Surrogate: n-Nonane	47.9		50.0		95.8	50-200			
Matrix Spike (2205060-MS1)				Source: 1	E <b>201129-</b> 1	10	Prepared: 0	1/28/22 A	nalyzed: 01/29/22
Diesel Range Organics (C10-C28)	508	25.0	500	ND	102	38-132			
Surrogate: n-Nonane	49.1		50.0		98.2	50-200			
Matrix Spike Dup (2205060-MSD1)				Source: 1	E201129-1	10	Prepared: 0	1/28/22 A	nalyzed: 01/29/22
Diesel Range Organics (C10-C28)	515	25.0	500	ND	103	38-132	1.24	20	
Surrogate: n-Nonane	47.9		50.0		95.7	50-200			



Tap Rock		Project Name:		ontest 211 H	·			·	Reported:
7 W. Compress Road Artesia NM, 88210		Project Number: Project Manager:		0046-0001 atalie Gladden	L				2/3/2022 2:00:32PM
		Anions	by EPA	300.0/9056 <i>A</i>					Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2206010-BLK1)							Prepared: 0	2/01/22	Analyzed: 02/01/22
Chloride	ND	20.0							
LCS (2206010-BS1)							Prepared: 0	2/01/22	Analyzed: 02/01/22
Chloride	246	20.0	250		98.4	90-110			
Matrix Spike (2206010-MS1)				Source:	E201129-0	1	Prepared: 0	2/01/22	Analyzed: 02/01/22
Chloride	278	20.0	250	33.2	97.9	80-120			
Matrix Spike Dup (2206010-MSD1)				Source:	E201129-0	1	Prepared: 0	2/01/22	Analyzed: 02/01/22
Chloride	288	20.0	250	33.2	102	80-120	3.69	20	

#### QC Summary Report Comment:

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



### **Definitions and Notes**

ſ	Tap Rock	Project Name:	Contest 211 H	
ı	7 W. Compress Road	Project Number:	20046-0001	Reported:
l	Artesia NM, 88210	Project Manager:	Natalie Gladden	02/03/22 14:00

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

	1		
Page _	/	of	1

Client: TAPROCK Project: CONTEST 2/14 Project Manager:  Attention: E \$5 Address: 2427 W. County					36		La	b Us	Use Only				TAT				rogram			
				- 0.4		WO#				Numbe		1D	2D 3	3D	Standard	CWA	SDWA			
					I A	ddress: 2427 W. Count	4 120	Eq	201	14	2	20	046	-000				1		
Address:						ity, State, Zip Hooks NA	1 88240					Analy	sis and	Method	ı					RCRA
City, Stat	te, Zip				<u>  P</u>	ity, State, Zip HOOGS NA hone: (575) 390-6 mail: NATALIE (	397									2				
Phone:					E	mail: NATALIE C	LANGEN	015	015			11.7				rin		1	State	
Email: Report d	lue by:				1.	sakoatan m	enterez	DRO/ORO by 8015	GRO/DRO by 8015	021	09	10	0.00					NM CO	UT AZ	TX
Time			No. of				Lab	ORO	DRO	by 8	3y 8Z	ls 60	de 3			00		7		
Sampled	Date Sampled	Matrix	Containers	Sample ID			Number	DRO/	GRO/	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			860c			Remarks	
8:10	1-24	5	1.	5	P 4-	25-	1	F								X				
8:50	. /					- 24-	2													
9:15				5	w 14-	SHRF	3					7								
9:30	, \				w 14-		4													
9:40				5	415-	SURF	5									1				
9:50				3	5415	· 2-	6									7				
10:30				3	5416-	SHRF	7													
10:38					Sw16.	3-	8													
10:55				5	6417	- SHRK	9													
11:10	1		1	.3	5417	-3-	10									1				
Addition	al Instruction	s:																		
i, (field samp date or time	oler), attest to the	validity and	authenticity	of this sample	e. I am aware the	hat tampering with or intentionally misla Sampled by: MACC	belling the sample l	cation	-	_								ived on ice the day th C on subsequent day:		d or received
Relinquishe	od by: (Signature	1 Jad	Date	1	7:me 2:01	Received by: (Signature)	Date   1.21.		Time	toi					La		Only		1	17
1	ed by: (Signature	)	Date	27.22	Time 1830	Received by: (Signature)	P 1/28/		21/22		-	rece T1	ived on			/ IV		TO		
Relinquishe	ed by: (Signature	)	Date		Time	Received by: (Signature)	Date		Time					1	T2 /			<u>T3</u>		411
Sample Matr	ix: S - Soil, Sd - Sol	id Se - Shid	ge A - Agus	ous O. Other			C+-	Tuest	. 2 7	200-			Temp °			- N. II			-	
Note: Same	los aro diseardo	d 20 days	ftor rocults	are report	dissilant area	r arrangements are made. Hazardo	Container	rype:	B-B	ass, p	- po	iy/pla	stic, ag	- amber	glass	5, V - V	/OA			



Printed: 1/28/2022 2:38:30PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Tap Rock	Date Received:	01/28/22	13:10	Work Order ID:	E201142
Phone:	(575) 390-6397	Date Logged In:	01/28/22	08:50	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	02/03/22	17:00 (4 day TAT)		
	f Custody (COC)					
	the sample ID match the COC? The number of samples per sampling site location ma	tch the COC	Yes Yes			
	samples dropped off by client or carrier?		Yes	Carrier: Carrier		
	ne COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	Carrier. <u>Carrier</u>		
	all samples received within holding time?		Yes			
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssis.				Commen	ts/Resolution
	Turn Around Time (TAT)		37			
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample			37			
	sample cooler received?		Yes			
•	was cooler received in good condition?		Yes			
	ne sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
	he sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
Sample	<u>Container</u>	_				
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
17. Was	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers	?	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field La	bel					
	e field sample labels filled out with the minimum info	ormation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
	Preservation	10				
	the COC or field labels indicate the samples were pr	reserved?	No			
	sample(s) correctly preserved?	. 1.0	NA			
	o filteration required and/or requested for dissolved n	ietais?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multipha		No			
27. If ye	s, does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcont	ract Laboratory					
28. Are s	samples required to get sent to a subcontract laborato	ry?	No			
29. Was	a subcontract laboratory specified by the client and it	f so who?	NA	Subcontract Lab: na		
Client I	nstruction					

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

Report to:

Natalie Gladden



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

## **Analytical Report**

Tap Rock

Project Name: Contest 211 H

Work Order: E201143

Job Number: 20046-0001

Received: 1/28/2022

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 2/7/22

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: 2/7/22

Natalie Gladden 7 W. Compress Road Artesia, NM 88210

Project Name: Contest 211 H

Workorder: E201143

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: Contest 211 H.

The analytical test results summarized in this report with the Project Name: Contest 211 H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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## **Sample Summary**

Tap Rock	Project Name:	Contest 211 H	Donoutoda
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	02/07/22 11:49

Client Sample ID	Lab Sample ID Matrix	Sampled Re	eceived	Container
SP 7-19'	E201143-01A Soil	01/25/22 01	1/28/22	Glass Jar, 4 oz.
SP 12-22'	E201143-02A Soil	01/25/22 01	1/28/22	Glass Jar, 4 oz.
SP 13-22'	E201143-03A Soil	01/25/22 01	1/28/22	Glass Jar, 4 oz.
SP 14-19'	E201143-04A Soil	01/25/22 01	1/28/22	Glass Jar, 4 oz.
SP 16-9'	E201143-05A Soil	01/25/22 01	1/28/22	Glass Jar. 4 oz.



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	2/7/2022 11:49:07AM

#### SP 7-19' E201143-01

	E201143-01				
Result	Reporting Limit	Dilution	ı Prepared	Analyzed	Notes
·		ılyst: IY	<u>-</u>	Batch: 2206011	
ND	0.0250	1	02/01/22	02/02/22	
ND	0.0250	1	02/01/22	02/02/22	
ND	0.0250	1	02/01/22	02/02/22	
ND	0.0250	1	02/01/22	02/02/22	
ND	0.0500	1	02/01/22	02/02/22	
ND	0.0250	1	02/01/22	02/02/22	
	97.8 %	70-130	02/01/22	02/02/22	
mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2206011
ND	20.0	1	02/01/22	02/02/22	
	96.7 %	70-130	02/01/22	02/02/22	
mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2206027
ND	25.0	1	02/02/22	02/03/22	
ND	50.0	1	02/02/22	02/03/22	
	99.7 %	50-200	02/02/22	02/03/22	
mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2206008
68.3	20.0	1	02/01/22	02/01/22	
	mg/kg ND Mg/kg ND mg/kg	Result         Reporting Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           97.8 %         mg/kg           mg/kg         mg/kg           ND         20.0           96.7 %         mg/kg           ND         25.0           ND         50.0           99.7 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Anale           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         0.0250         1           97.8 %         70-130         70-130           mg/kg         mg/kg         Anale           ND         20.0         1           Mg/kg         mg/kg         Anale           ND         25.0         1           ND         50.0         1           99.7 %         50-200           mg/kg         mg/kg         Anale	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         02/01/22           ND         0.0250         1         02/01/22           ND         0.0250         1         02/01/22           ND         0.0250         1         02/01/22           ND         0.0500         1         02/01/22           ND         0.0250         1         02/01/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         02/01/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         02/02/22           ND         50.0         1         02/02/2	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         02/01/22         02/02/22           ND         0.0250         1         02/01/22         02/02/22           ND         0.0250         1         02/01/22         02/02/22           ND         0.0500         1         02/01/22         02/02/22           ND         0.0250         1         02/01/22         02/02/22           ND         0.0250         1         02/01/22         02/02/22           MD         0.0250         1         02/01/22         02/02/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         02/01/22         02/02/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         02/02/22         02/03/22           ND         50.0         1         02/02/22         02/03/22           ND         50.0         1         02/02/22         02/03/22           Mg/kg         mg/kg         Analyst: IY <t< td=""></t<>



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	2/7/2022 11:49:07AM

#### SP 12-22'

		E201143-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2206011
Benzene	ND	0.0250	1	02/01/22	02/02/22	
Ethylbenzene	ND	0.0250	1	02/01/22	02/02/22	
Toluene	ND	0.0250	1	02/01/22	02/02/22	
o-Xylene	ND	0.0250	1	02/01/22	02/02/22	
p,m-Xylene	ND	0.0500	1	02/01/22	02/02/22	
Total Xylenes	ND	0.0250	1	02/01/22	02/02/22	
Surrogate: 4-Bromochlorobenzene-PID		99.5 %	70-130	02/01/22	02/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2206011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/01/22	02/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.6 %	70-130	02/01/22	02/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2206027
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/22	02/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/22	02/03/22	
Surrogate: n-Nonane		97.3 %	50-200	02/02/22	02/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2206008
Chloride	ND	20.0	1	02/01/22	02/01/22	



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	2/7/2022 11:49:07AM

### SP 13-22'

		E201143-03				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2206011
Benzene	ND	0.0250	1	02/01/22	02/02/22	
Ethylbenzene	ND	0.0250	1	02/01/22	02/02/22	
Toluene	ND	0.0250	1	02/01/22	02/02/22	
o-Xylene	ND	0.0250	1	02/01/22	02/02/22	
p,m-Xylene	ND	0.0500	1	02/01/22	02/02/22	
Total Xylenes	ND	0.0250	1	02/01/22	02/02/22	
Surrogate: 4-Bromochlorobenzene-PID		99.8 %	70-130	02/01/22	02/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ai	nalyst: IY		Batch: 2206011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/01/22	02/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.0 %	70-130	02/01/22	02/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: JL		Batch: 2206027
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/22	02/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/22	02/03/22	
Surrogate: n-Nonane		96.4 %	50-200	02/02/22	02/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: IY		Batch: 2206008
Chloride	ND	20.0	1	02/01/22	02/01/22	



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	2/7/2022 11:49:07AM

## SP 14-19'

		E201143-04				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2206011
Benzene	ND	0.0250	1	02/01/22	02/02/22	
Ethylbenzene	ND	0.0250	1	02/01/22	02/02/22	
Toluene	ND	0.0250	1	02/01/22	02/02/22	
o-Xylene	ND	0.0250	1	02/01/22	02/02/22	
p,m-Xylene	ND	0.0500	1	02/01/22	02/02/22	
Total Xylenes	ND	0.0250	1	02/01/22	02/02/22	
Surrogate: 4-Bromochlorobenzene-PID		99.9 %	70-130	02/01/22	02/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2206011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/01/22	02/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.8 %	70-130	02/01/22	02/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2206027
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/22	02/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/22	02/03/22	
Surrogate: n-Nonane		99.5 %	50-200	02/02/22	02/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: IY		Batch: 2206008
Chloride	ND	20.0	1	02/01/22	02/01/22	



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	2/7/2022 11:49:07AM

#### SP 16-9'

E20	111	43	

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2206011
Benzene	ND	0.0250	1	02/01/22	02/02/22	
Ethylbenzene	ND	0.0250	1	02/01/22	02/02/22	
Toluene	ND	0.0250	1	02/01/22	02/02/22	
o-Xylene	ND	0.0250	1	02/01/22	02/02/22	
p,m-Xylene	ND	0.0500	1	02/01/22	02/02/22	
Total Xylenes	ND	0.0250	1	02/01/22	02/02/22	
Surrogate: 4-Bromochlorobenzene-PID		99.3 %	70-130	02/01/22	02/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2206011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/01/22	02/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.9 %	70-130	02/01/22	02/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2206027
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/22	02/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/22	02/03/22	
Surrogate: n-Nonane		92.4 %	50-200	02/02/22	02/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2206008
Allions by EFA 500.0/9030A						



		QC D	umm	ary Data	•				
Tap Rock 7 W. Compress Road Artesia NM, 88210		Project Name: Project Number: Project Manager:	2	Contest 211 H 0046-0001 Vatalie Gladden					<b>Reported:</b> 2/7/2022 11:49:07AM
		Volatile O	rganics	by EPA 802	1B				Analyst: IY
Analyte		Reporting	Spike	Source		Rec		RPD	
	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2206011-BLK1)							Prepared: 0	2/01/22 Aı	nalyzed: 02/02/22
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	7.92		8.00		99.0	70-130			
LCS (2206011-BS1)							Prepared: 0	2/01/22 Aı	nalyzed: 02/02/22
Benzene	4.13	0.0250	5.00		82.6	70-130			
Ethylbenzene	4.21	0.0250	5.00		84.1	70-130			
Foluene	4.29	0.0250	5.00		85.9	70-130			
o-Xylene	4.29	0.0250	5.00		85.8	70-130			
o,m-Xylene	8.55	0.0500	10.0		85.5	70-130			
Total Xylenes	12.8	0.0250	15.0		85.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.99		8.00		99.9	70-130			
Matrix Spike (2206011-MS1)				Source:	E201143-0	03	Prepared: 0	2/01/22 Aı	nalyzed: 02/02/22
Benzene	4.44	0.0250	5.00	ND	88.9	54-133			
Ethylbenzene	4.51	0.0250	5.00	ND	90.2	61-133			
Toluene	4.62	0.0250	5.00	ND	92.4	61-130			
o-Xylene	4.60	0.0250	5.00	ND	92.1	63-131			
o,m-Xylene	9.18	0.0500	10.0	ND	91.8	63-131			
Total Xylenes	13.8	0.0250	15.0	ND	91.9	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.01		8.00		100	70-130			
Matrix Spike Dup (2206011-MSD1)				Source:	E201143-0	03	Prepared: 0	2/01/22 Aı	nalyzed: 02/02/22
Benzene	4.45	0.0250	5.00	ND	89.1	54-133	0.228	20	
Ethylbenzene	4.52	0.0250	5.00	ND	90.3	61-133	0.104	20	
Foluene	4.63	0.0250	5.00	ND	92.5	61-130	0.177	20	
o-Xylene	4.61	0.0250	5.00	ND	92.3	63-131	0.214	20	
o,m-Xylene	9.19	0.0500	10.0	ND	91.9	63-131	0.0915	20	
Fotal Xylenes	13.8	0.0250	15.0	ND	92.0	63-131	0.132	20	
Surrogate: 4-Bromochlorobenzene-PID	8.06		8.00		101	70-130			
	0.00								



Tap Rock	Project Name:	Contest 211 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	•
Artesia NM, 88210	Project Manager:	Natalie Gladden	2/7/2022 11:49:07AM

Artesia NM, 88210		Project Manage	r: Na	italie Gladder	1			2/7	/2022 11:49:07AM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2206011-BLK1)							Prepared: 0	2/01/22 Anal	yzed: 02/02/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.92		8.00		99.0	70-130			
LCS (2206011-BS2)							Prepared: 0	2/01/22 Anal	yzed: 02/02/22
Gasoline Range Organics (C6-C10)	45.9	20.0	50.0		91.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.06		8.00		101	70-130			
Matrix Spike (2206011-MS2)				Source:	E201143-0	03	Prepared: 0	2/01/22 Anal	yzed: 02/02/22
Gasoline Range Organics (C6-C10)	45.8	20.0	50.0	ND	91.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.89		8.00		98.7	70-130			
Matrix Spike Dup (2206011-MSD2)				Source:	E201143-0	03	Prepared: 0	2/01/22 Anal	yzed: 02/02/22
Gasoline Range Organics (C6-C10)	49.3	20.0	50.0	ND	98.6	70-130	7.46	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.92		8.00		99.0	70-130			

Tap Rock	Project Name:	Contest 211 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	•
Artesia NM, 88210	Project Manager:	Natalie Gladden	2/7/2022 11:49:07AM

Artesia NM, 88210		Project Manage	r: N	atalie Gladden					2/7/2022 11:49:07AM
	Nonha	logenated Or	ganics by	EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2206027-BLK1)							Prepared: 0	2/02/22 A	analyzed: 02/02/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.6		50.0		85.1	50-200			
LCS (2206027-BS1)							Prepared: 0	2/02/22 A	analyzed: 02/02/22
Diesel Range Organics (C10-C28)	485	25.0	500		97.0	38-132			
Surrogate: n-Nonane	43.7		50.0		87.4	50-200			
Matrix Spike (2206027-MS1)				Source:	E202006-0	03	Prepared: 0	2/02/22 A	analyzed: 02/03/22
Diesel Range Organics (C10-C28)	531	25.0	500	ND	106	38-132			
Surrogate: n-Nonane	40.8		50.0		81.6	50-200			
Matrix Spike Dup (2206027-MSD1)				Source:	E202006-0	03	Prepared: 0	2/02/22 A	analyzed: 02/03/22
Diesel Range Organics (C10-C28)	513	25.0	500	ND	103	38-132	3.37	20	
Surrogate: n-Nonane	45.7		50.0		91.3	50-200			



Tap Rock 7 W. Compress Road		Project Name: Project Number:		ontest 211 H 0046-0001					Reported:	
Artesia NM, 88210		Project Manager:	N	atalie Gladden					2/7/2022 11:49:07AM	
	Anions by EPA 300.0/9056A									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2206008-BLK1)							Prepared: 02	2/01/22 A	nalyzed: 02/01/22	
Chloride	ND	20.0								
LCS (2206008-BS1)							Prepared: 02	2/01/22 A	nalyzed: 02/01/22	
Chloride	244	20.0	250		97.7	90-110				
Matrix Spike (2206008-MS1)				Source: 1	E <b>201096-</b> 0	1	Prepared: 02	2/01/22 A	nalyzed: 02/01/22	
Chloride	385	20.0	250	160	90.0	80-120				
Matrix Spike Dup (2206008-MSD1)				Source: 1	E <b>201096-</b> 0	1	Prepared: 02	2/01/22 A	nalyzed: 02/01/22	
Chloride	413	20.0	250	160	101	80-120	7.03	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:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	02/07/22 11:49

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.



Received by OCD: 7/14/2022 8:47:14 AM

Client:	TAPR	ock.						Bill To			111		La	b Us	e On	ly		T		TA	T	EPA P	rogram
Project:	CONT	EST 2	VIH			Attenti	ion:	£33	- 0	_	Lab	Lab WO# E201143		_	Job I	Numb	er	1D	2D	3D	Standard	CWA	SDWA
Project N						Addres	المن والد: ٥٤	W COM	UTY "	2	Eo	101	14	3	20	)POC	0-000	)L			>		
Address:				_		City, St	ate, Zip	HOBBS 1	NA 88	40					Analy	sis and	Metho	d					RCRA
City, Stat	e, Zip			-	1	Phone:	575	390-63 TAYE GU	297														
Phone:						Email:	NA	THUE GL	MUDEN		8015	8015							3			State	
Email:	b		-	-	- 4						by 8		121	9	01	0.00					NM CO	UT AZ	TX
Report d	ue by:					1					ORG	ORO	37 80	y 82	9 90	Je 3(		1	8		+		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample II	)					Lab Number	DRO/ORO	GRO/DRO by	ВТЕХ ЬУ 8021	VOC by 8260	Metals 6010	Chloride 300.0			86000			Remarks	
8:55	1-25	S	1,	5	P7	-/9	-												X				
9:45				S	P 12	-27	2-			2								E					
10:20		)		S	P /3-	- 22	2-			3									1				
11:00			1	1	P 14					4									1				
1:15					P 16					5									1				
									*														
														+		+	+	$\vdash$					
Addition	al Instructio	ns:											_			L				i e d			
i, (field sam	pler), attest to the of collection is c	e validity and	dauthenticity	of this samp	le. I am awa	e that tam	pering with o	or intentionally r	mislabelling th	ne sample lo	cation,	2	,								ived on ice the day t		ed or received
Relinquich	ed by: (Signatu	onsidered fr	aud and may Date		Time	n.	Sar	npled by:							packed	n ice at a	in avg temp				°C on subsequent da	/5.	
1 00	tallel -	allad	de 1	22/22	2:0	)(	ceived by:	~ He	1	1.27.	22	Time /	101	/	Rece	ived c	n ice:		b Usi	e Onl	У	17(1)	32
a	ed/by: (Signatur	6	Date	21.22	183	Rec	ceived by:	Signature		Date 1/28/	2		10		T1			T2			Т3	3	10 1
Relinquish	ed by: (Signatur	e)	Date		Time		ceived by: (	Signature)		Date		Time					00//	12					· ·
Sample Mat	rix: S - Soil, Sd - S	olid, Se - Slui	dge. A - Anue	ous O - Othe						Containe	Tuna	1	nee				°c_4						0
Note: Sam	ples are discard	ed 30 days	after result	s are report	ed unless o	ther arran	ngements ar	e made Hazz	ardous same	Container	return	g - g	client	- po	iy/pla	stic, a	be slice	er glas	s, v - 1	VOA	ort for the analy		
samples is	applicable only	to those sa	imples rece	ived by the	laboratory v	vith this C	OC. The lia	bility of the lab	poratory is li	mited to th	ne amo	unt n	aid for	on th	hozed	ort	ne client	exper	ise. II	ne rep	ort for the analy	is of the at	oove



Page 202 of 294

envirotech Inc.

Printed: 1/28/2022 2:45:47PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Tap Rock	Date Received:	01/28/22	13:10		Work Order ID:	E201143
Phone:	(575) 390-6397	Date Logged In:	01/28/22	09:18		Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	02/03/22	17:00 (4 day TAT)			
Chain of	Custody (COC)						
1. Does th	ne sample ID match the COC?		Yes				
2. Does th	ne number of samples per sampling site location ma	tch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: C	<u>'arrier</u>		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were a	Il samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssis.					Comment	s/Resolution
Sample T	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>Cooler</u>						
7. Was a s	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
12. Was th	e 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 ar	e received w/i 15	145				
	minutes of sampling						
13. If no v	visible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
Sample C							
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers		Yes				
	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lab	<del></del>						
	field sample labels filled out with the minimum info	ormation:	Vos				
	ample ID? ate/Time Collected?		Yes Yes	Į.			
	ollectors name?		Yes				
	reservation		103				
21. Does	the COC or field labels indicate the samples were pr	reserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	se?	No				
27. If yes,	, does the COC specify which phase(s) is to be analy	yzed?	NA				
	act Laboratory						
	amples required to get sent to a subcontract laborato	rv?	No				
	subcontract laboratory specified by the client and i	-	NA	Subcontract Lab	r na		
			- 11	Succentract Eac	. 114		
Chefft II	<u>istruction</u>						

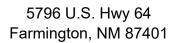
Date

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

Report to:

Natalie Gladden





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





# envirotech

Practical Solutions for a Better Tomorrow

## **Analytical Report**

Tap Rock

Project Name: Contest 211 H

Work Order: E203019

Job Number: 20046-0001

Received: 3/3/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/4/22

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: 3/4/22

Natalie Gladden 7 W. Compress Road Artesia, NM 88210

Project Name: Contest 211 H

Workorder: E203019

Date Received: 3/3/2022 1:10:00PM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/3/2022 1:10:00PM, under the Project Name: Contest 211 H.

The analytical test results summarized in this report with the Project Name: Contest 211 H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762 whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

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labadmin@envirotech-inc.com

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ljarboe@envirotech-inc.com

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Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



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## Sample Summary

Tap Rock	Project Name:	Contest 211 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	Keporteu:
Artesia NM, 88210	Project Manager:	Natalie Gladden	03/04/22 13:51

Client Sample ID	Lab Sample ID Matri	x Sampled	Received	Container
SP 5 - 3'	E203019-01A Soil	03/02/22	03/03/22	Glass Jar, 4 oz.
SP 8 - 3'	E203019-02A Soil	03/02/22	03/03/22	Glass Jar, 4 oz.
SP 10 - 3'	E203019-03A Soil	03/02/22	03/03/22	Glass Jar, 4 oz.
SP 11 - 5'	E203019-04A Soil	03/02/22	03/03/22	Glass Jar, 4 oz.
SP 15 - 3'	E203019-05A Soil	03/02/22	03/03/22	Glass Jar, 4 oz.
SP 17 - 9'	E203019-06A Soil	03/02/22	03/03/22	Glass Jar, 4 oz.
SP 9 - 3'	E203019-07A Soil	03/02/22	03/03/22	Glass Jar, 4 oz.



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	3/4/2022 1:51:32PM

SP 5 - 3' E203019-01

		E203019-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Maryo	Result	Liiiit	Dilution	Trepared	Maryzed	rotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	/st: IY		Batch: 2210041
Benzene	ND	0.0250	1	03/03/22	03/03/22	
Ethylbenzene	ND	0.0250	1	03/03/22	03/03/22	
Toluene	ND	0.0250	1	03/03/22	03/03/22	
o-Xylene	ND	0.0250	1	03/03/22	03/03/22	
p,m-Xylene	ND	0.0500	1	03/03/22	03/03/22	
Total Xylenes	ND	0.0250	1	03/03/22	03/03/22	
Surrogate: 4-Bromochlorobenzene-PID		84.3 %	70-130	03/03/22	03/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2210041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/22	03/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.4 %	70-130	03/03/22	03/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	/st: JL		Batch: 2210048
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/22	03/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/22	03/03/22	
Surrogate: n-Nonane		85.6 %	50-200	03/03/22	03/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2210042
Chloride	330	20.0	1	03/03/22	03/04/22	



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	3/4/2022 1:51:32PM

#### SP 8 - 3'

#### E203019-02

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2210041
Benzene	ND	0.0250	1	03/03/22	03/03/22	
Ethylbenzene	ND	0.0250	1	03/03/22	03/03/22	
Toluene	ND	0.0250	1	03/03/22	03/03/22	
o-Xylene	ND	0.0250	1	03/03/22	03/03/22	
p,m-Xylene	ND	0.0500	1	03/03/22	03/03/22	
Total Xylenes	ND	0.0250	1	03/03/22	03/03/22	
Surrogate: 4-Bromochlorobenzene-PID		91.3 %	70-130	03/03/22	03/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2210041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/22	03/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.4 %	70-130	03/03/22	03/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2210048
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/22	03/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/22	03/03/22	
Surrogate: n-Nonane		86.7 %	50-200	03/03/22	03/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2210042
Chloride	499	20.0	1	03/03/22	03/03/22	

Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	3/4/2022 1:51:32PM

#### SP 10 - 3' E203019-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: IY		Batch: 2210041
Benzene	ND	0.0250	1	03/03/22	03/03/22	
Ethylbenzene	ND	0.0250	1	03/03/22	03/03/22	
Toluene	ND	0.0250	1	03/03/22	03/03/22	
o-Xylene	ND	0.0250	1	03/03/22	03/03/22	
p,m-Xylene	ND	0.0500	1	03/03/22	03/03/22	
Total Xylenes	ND	0.0250	1	03/03/22	03/03/22	
Surrogate: 4-Bromochlorobenzene-PID		86.2 %	70-130	03/03/22	03/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: IY		Batch: 2210041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/22	03/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.6 %	70-130	03/03/22	03/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: JL		Batch: 2210048
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/22	03/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/22	03/03/22	
Surrogate: n-Nonane		89.6 %	50-200	03/03/22	03/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: RAS		Batch: 2210042
Chloride	358	20.0	1	03/03/22	03/03/22	



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	3/4/2022 1:51:32PM

#### SP 11 - 5'

#### E203019-04

	D				
Pagult		Dilution	n Propored	Analyzad	Notes
Resuit	Limit	Dilution	i riepared	Ananyzed	Notes
mg/kg	mg/kg	Ana	alyst: IY		Batch: 2210041
ND	0.0250	1	03/03/22	03/03/22	
ND	0.0250	1	03/03/22	03/03/22	
ND	0.0250	1	03/03/22	03/03/22	
ND	0.0250	1	03/03/22	03/03/22	
ND	0.0500	1	03/03/22	03/03/22	
ND	0.0250	1	03/03/22	03/03/22	
	86.7 %	70-130	03/03/22	03/03/22	
mg/kg	mg/kg	Ana	alyst: IY		Batch: 2210041
ND	20.0	1	03/03/22	03/03/22	
	96.6 %	70-130	03/03/22	03/03/22	
mg/kg	mg/kg	Ana	alyst: JL		Batch: 2210048
ND	25.0	1	03/03/22	03/03/22	
ND	50.0	1	03/03/22	03/03/22	
	97.2 %	50-200	03/03/22	03/03/22	
mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2210042
	ND N	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           86.7 %         mg/kg           MD         20.0           96.6 %         mg/kg           ND         25.0           ND         50.0	Result         Limit         Dilution           mg/kg         mg/kg         Ana           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           86.7 %         70-130           mg/kg         mg/kg         Ana           ND         20.0         1           mg/kg         mg/kg         Ana           ND         25.0         1           ND         50.0         1	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         03/03/22           ND         0.0250         1         03/03/22           ND         0.0250         1         03/03/22           ND         0.0250         1         03/03/22           ND         0.0500         1         03/03/22           ND         0.0250         1         03/03/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         03/03/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         03/03/22           ND         25.0         1         03/03/22           ND         50.0         1         03/03/22	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         03/03/22         03/03/22           ND         0.0250         1         03/03/22         03/03/22           ND         0.0250         1         03/03/22         03/03/22           ND         0.0500         1         03/03/22         03/03/22           ND         0.0250         1         03/03/22         03/03/22           ND         0.0250         1         03/03/22         03/03/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         03/03/22         03/03/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         03/03/22         03/03/22           ND         25.0         1         03/03/22         03/03/22           ND         50.0         1         03/03/22         03/03/22



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	3/4/2022 1:51:32PM

## SP 15 - 3'

		E203019-05				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2210041
Benzene	ND	0.0250	1	03/03/22	03/03/22	
Ethylbenzene	ND	0.0250	1	03/03/22	03/03/22	
Toluene	ND	0.0250	1	03/03/22	03/03/22	
o-Xylene	ND	0.0250	1	03/03/22	03/03/22	
p,m-Xylene	ND	0.0500	1	03/03/22	03/03/22	
Total Xylenes	ND	0.0250	1	03/03/22	03/03/22	
Surrogate: 4-Bromochlorobenzene-PID		94.0 %	70-130	03/03/22	03/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2210041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/22	03/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.0 %	70-130	03/03/22	03/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2210048
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/22	03/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/22	03/03/22	
Surrogate: n-Nonane		98.9 %	50-200	03/03/22	03/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2210042
Chloride	466	20.0	1	03/03/22	03/03/22	



Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	3/4/2022 1:51:32PM

#### SP 17 - 9'

<b>E2</b>	ഹ	<b>1</b>	Λ	0/	•

	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: IY		Batch: 2210041
ND	0.0250	1	03/03/22	03/03/22	
ND	0.0250	1	03/03/22	03/03/22	
ND	0.0250	1	03/03/22	03/03/22	
ND	0.0250	1	03/03/22	03/03/22	
ND	0.0500	1	03/03/22	03/03/22	
ND	0.0250	1	03/03/22	03/03/22	
	92.2 %	70-130	03/03/22	03/03/22	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2210041
ND	20.0	1	03/03/22	03/03/22	
	93.5 %	70-130	03/03/22	03/03/22	
mg/kg	mg/kg	Anal	yst: JL		Batch: 2210048
ND	25.0	1	03/03/22	03/03/22	
ND	50.0	1	03/03/22	03/03/22	
	110 %	50-200	03/03/22	03/03/22	
mg/kg	mg/kg	Anal	yst: RAS		Batch: 2210042
	mg/kg ND	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           MD         0.0250           MD         20.0250           92.2 %         mg/kg           MD         20.0           93.5 %         mg/kg           MD         25.0           ND         50.0           110 %	Result         Limit         Dilution           mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         92.2 %         70-130           mg/kg         mg/kg         Anal           ND         20.0         1           mg/kg         mg/kg         Anal           ND         25.0         1           ND         50.0         1           110 %         50-200	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IV           ND         0.0250         1         03/03/22           ND         0.0250         1         03/03/22           ND         0.0250         1         03/03/22           ND         0.0250         1         03/03/22           ND         0.0500         1         03/03/22           ND         0.0250         1         03/03/22           mg/kg         70-130         03/03/22           mg/kg         mg/kg         Analyst: IV           ND         20.0         1         03/03/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         03/03/22           ND         50.0         1         03/03/22	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         03/03/22         03/03/22           ND         0.0500         1         03/03/22         03/03/22           ND         0.0250         1         03/03/22         03/03/22           mg/kg         70-130         03/03/22         03/03/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         03/03/22         03/03/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         03/03/22         03/03/22           ND         50.0         1         03/03/22         03/03/22           ND         50.0         1         03/03/22         03/03/22



## **Sample Data**

Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	3/4/2022 1:51:32PM

SP 9 - 3'

		E203019-07				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	/kg Analyst: IY			Batch: 2210041
Benzene	ND	0.0250	1	03/03/22	03/03/22	
Ethylbenzene	ND	0.0250	1	03/03/22	03/03/22	
Toluene	ND	0.0250	1	03/03/22	03/03/22	
o-Xylene	ND	0.0250	1	03/03/22	03/03/22	
p,m-Xylene	ND	0.0500	1	03/03/22	03/03/22	
Total Xylenes	ND	0.0250	1	03/03/22	03/03/22	
Surrogate: 4-Bromochlorobenzene-PID		86.0 %	70-130	03/03/22	03/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2210041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/22	03/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.8 %	70-130	03/03/22	03/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2210048
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/22	03/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/22	03/03/22	
Surrogate: n-Nonane		108 %	50-200	03/03/22	03/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2210042
Chloride	406	20.0	1	03/03/22	03/04/22	



		QC Si	umm	ary Data	l					
Tap Rock		Project Name:	C	Contest 211 H				_	Reported:	
7 W. Compress Road		Project Number:	2	0046-0001					ricporteu.	
Artesia NM, 88210		Project Manager:	N	Vatalie Gladden					3/4/2022 1:51:32PM	
	Volatile Organics by EPA 8021B							Analyst: IY		
Analyte		Reporting	Spike	Source		Rec	222	RPD		
	Result mg/kg	Limit mg/kg	Level mg/kg	Result mg/kg	Rec %	Limits %	RPD %	Limit %	Notes	
Blank (2210041-BLK1)							Prepared: 0	3/03/22 A	analyzed: 03/03/22	
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	7.45		8.00		93.1	70-130				
LCS (2210041-BS1)							Prepared: 0	3/03/22 A	analyzed: 03/03/22	
Benzene	5.08	0.0250	5.00		102	70-130				
Ethylbenzene	5.36	0.0250	5.00		107	70-130				
Toluene	5.58	0.0250	5.00		112	70-130				
o-Xylene	5.31	0.0250	5.00		106	70-130				
p,m-Xylene	10.9	0.0500	10.0		109	70-130				
Total Xylenes	16.2	0.0250	15.0		108	70-130				
Surrogate: 4-Bromochlorobenzene-PID	7.44		8.00		93.1	70-130				
Matrix Spike (2210041-MS1)				Source: I	E <b>203019</b> -	01	Prepared: 0	3/03/22 A	analyzed: 03/03/22	
Benzene	4.88	0.0250	5.00	ND	97.6	54-133				
Ethylbenzene	5.16	0.0250	5.00	ND	103	61-133				
Toluene	5.39	0.0250	5.00	ND	108	61-130				
o-Xylene	5.11	0.0250	5.00	ND	102	63-131				
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131				
Total Xylenes	15.6	0.0250	15.0	ND	104	63-131				
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.4	70-130				
Matrix Spike Dup (2210041-MSD1)				Source: I	E <b>203019</b> -	01	Prepared: 0	3/03/22 A	analyzed: 03/03/22	
Benzene	5.02	0.0250	5.00	ND	100	54-133	2.91	20		
Ethylbenzene	5.31	0.0250	5.00	ND	106	61-133	2.76	20		
Toluene	5.54	0.0250	5.00	ND	111	61-130	2.67	20		
o-Xylene	5.27	0.0250	5.00	ND	105	63-131	2.97	20		
p,m-Xylene	10.7	0.0500	10.0	ND	107	63-131	2.63	20		
Total Xylenes	16.0	0.0250	15.0	ND	107	63-131	2.74	20		
		0.0250	0.00							



Surrogate: 4-Bromochlorobenzene-PID

7.65

8.00

95.6

70-130

Tap Rock	Project Name:	Contest 211 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	3/4/2022 1:51:32PM

Artesia NM, 88210		Project Manage	r: Na	talie Gladder	1			3/4	/2022 1:51:32PM	
	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 (2210041-BLK1)							Prepared: 0	3/03/22 Analy	/zed: 03/03/22	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.48		8.00		93.5	70-130				
LCS (2210041-BS2)							Prepared: 0	3/03/22 Analy	zed: 03/03/22	
Gasoline Range Organics (C6-C10)	44.6	20.0	50.0		89.2	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.1	70-130				
Matrix Spike (2210041-MS2)				Source:	E203019-0	)1	Prepared: 0	3/03/22 Analy	zed: 03/03/22	
Gasoline Range Organics (C6-C10)	42.8	20.0	50.0	ND	85.6	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.9	70-130				
Matrix Spike Dup (2210041-MSD2)				Source:	E203019-0	01	Prepared: 0	3/03/22 Analy	zed: 03/03/22	
Gasoline Range Organics (C6-C10)	44.5	20.0	50.0	ND	89.0	70-130	3.84	20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		93.9	70-130				



Tap Rock	Project Name:	Contest 211 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	•
Artesia NM, 88210	Project Manager:	Natalie Gladden	3/4/2022 1:51:32PM

Artesia NM, 88210		Project Manager	r: N	atalie Gladden					3/4/2022 1:51:32PM	
	Nonhalogenated Organics by EPA 8015D - DRO/ORO							Analyst: JL		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2210048-BLK1)							Prepared: 0	3/03/22 A	nalyzed: 03/03/22	
Diesel Range Organics (C10-C28)	ND	25.0								
Dil Range Organics (C28-C36)	ND	50.0								
Surrogate: n-Nonane	58.2		50.0		116	50-200				
LCS (2210048-BS1)							Prepared: 0	3/03/22 A	nalyzed: 03/03/22	
Diesel Range Organics (C10-C28)	482	25.0	500		96.4	38-132				
Surrogate: n-Nonane	49.7		50.0		99.4	50-200				
Matrix Spike (2210048-MS1)				Source:	E203018-	02	Prepared: 0	3/03/22 A	nalyzed: 03/03/22	
Diesel Range Organics (C10-C28)	488	25.0	500	ND	97.5	38-132				
Surrogate: n-Nonane	53.7		50.0		107	50-200				
Matrix Spike Dup (2210048-MSD1)				Source:	E203018-	02	Prepared: 0	3/03/22 A	nalyzed: 03/03/22	
Diesel Range Organics (C10-C28)	502	25.0	500	ND	100	38-132	2.89	20		
Surrogate: n-Nonane	56.8		50.0		114	50-200				



Tap Rock 7 W. Compress Road Artesia NM, 88210		Project Name: Project Number: Project Manager	20	ontest 211 H 0046-0001 atalie Gladden					<b>Reported:</b> 3/4/2022 1:51:32PM
Altesia Nivi, 60210		<u> </u>		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
Blank (2210042-BLK1)							Prepared: 0	3/03/22	Analyzed: 03/04/22
Chloride	ND	20.0							
LCS (2210042-BS1)							Prepared: 0	3/03/22	Analyzed: 03/04/22
Chloride	247	20.0	250		98.8	90-110			
Matrix Spike (2210042-MS1)				Source:	E203012-0	)1	Prepared: 0	3/03/22	Analyzed: 03/04/22
Chloride	296	20.0	250	40.4	102	80-120			
Matrix Spike Dup (2210042-MSD1)				Source:	E203012-0	)1	Prepared: 0	3/03/22	Analyzed: 03/04/22
Chloride	301	20.0	250	40.4	104	80-120	1.87	20	

#### QC Summary Report Comment:

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



#### **Definitions and Notes**

ſ	Tap Rock	Project Name:	Contest 211 H	
١	7 W. Compress Road	Project Number:	20046-0001	Reported:
١	Artesia NM, 88210	Project Manager:	Natalie Gladden	03/04/22 13:51

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.



Received by OCD: 7/14/2022 8:47:14 AM

Client: APROCK Project: CONTEST 21/H Attention: ESS				Lab l			ab Us	lse Only		TAT			EPA Program								
Project:		TEST	MIH		Atte	Attention: E-SS			Lab	WO# Job Number				, 1D	1D 2D 3D Standard		CWA	SDWA			
Project N	lanager:				Add	ress: 2724	4 COUNTY A	2	Eć	205	30	9	20	046	-000	1					
Address:					City	, State, Zipho	4 COUNTY A 335 N.M 8 390 639	8240							d Meth						RCRA
City, Stat	e, Zip				Pho	ne: 375	390 639	7									-	-			
Phone:			- 6-		Ema	il: NA	TAUR SU	ADUEN	8015	8015							5			State	
Email:			T.						by 80		21	0	0	0.0			5		NM CO	UT AZ	TX
Report d	ue by:		5.						RO	ROE	/ 80	826	601	e 30			V		x		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				Lab Number	DRO/ORO	GRO/DRO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			Beoc			Remarks	
7:00	3-2-22	5	1	SP	5-3	3-		1													
7:10				SP	8-3	-		2													
7:20				SP	10-2	3-		3													
7:30		)		SPI	11 - 5	-		4													
7:35				SPI	5-3	4		5													
7:45			/	SPI				6													
7:15				5P4			· · ·	7													
			1																		
Addition	al Instructio	ns:												-			لسل				
I, (field samp date or time	oler), attest to the	validity and	l authenticity aud and may	of this sample. I an be grounds for legal	aware that	tampering with or i	intentionally mislabellin	the sample lo	cation	1/	75		Sample: packed	requiri	ng thermal an avg tem	preserva p above	tion must 0 but less	t be received than 6 °C o	d on ice the day th n subsequent day:	ey are sample	d or received
Relinquish	ed by: (Signatur	Sart	Date 5	2-22 14		Received by: (Sig	gnature)	Date 3.2.2	2	Time	40	3	Rece	ived :	on ice:		ab Use	e Only		TV.	and I
1	ed by: (Signatur	h	Date 3.	2.22 Time	530	Received by (Sig	nature	Date 3/3/2		Time	:10		T1	, veu	on ice,	T2	A IN		Т3		
Relinquishe	ed by: (Signatur	e)	Date	Time		Received by: (Sig	gnature)	Date		Time	116			Tome	o°c 4	12			13	744	1445
Sample Mate	ample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Containe				Container	Type		lace .						· · · ·	100						
Note: Samp	oles are discard	ed 30 days	after result	s are reported unl	ess other a	rrangements are	made. Hazardous sa	moles will be	return	ned to	client	ordi	sposes	of at	the clies	t evec	05, V - 1	no report	for the ===!	is of the 1	
samples is	applicable only	to those sa	mples rece	ived by the labora	tory with th	nis COC. The liabil	ity of the laboratory i	s limited to th	ne amo	ount n	aid fo	r on th	he ren	ort	the chell	cybei	13E. 11	ie report	ior the analys	is or the at	oove



Page 220 of 294

Printed: 3/3/2022 2:18:48PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Tap Rock	Date Received:	03/03/22	13:10	V	Work Order ID:	E203019
Phone:	(575) 390-6397	Date Logged In:	03/02/22	15:55	I	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	03/03/22	17:00 (0 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location mat	ch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: <u>U</u>	IPS		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	currer. <u>c</u>	<u> </u>		
	Il samples received within holding time?	,	Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.					Comments	s/Resolution
Sample T	<u>urn Around Time (TAT)</u>						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>Cooler</u>						
7. Was a s	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
		temperature. 4	<u>c</u>				
Sample C	container queous VOC samples present?		Ma				
	OC samples collected in VOA Vials?		No NA				
	head space less than 6-8 mm (pea sized or less)?		NA NA				
	•						
	trip blank (TB) included for VOC analyses?	)	NA				
	on-VOC samples collected in the correct containers'		Yes				
	appropriate volume/weight or number of sample contain	iers conected?	Yes				
Field Lab	<del></del>	ation					
	field sample labels filled out with the minimum info ample ID?	illiation.	Yes				
	ate/Time Collected?		Yes	l			
	ollectors name?		No				
Sample P	reservation_						
21. Does	the COC or field labels indicate the samples were pr	eserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	netals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	se?	No				
	, does the COC specify which phase(s) is to be analy		NA				
	act Laboratory						
	act Laboratory  amples required to get sent to a subcontract laborator	er r O	No				
	subcontract laboratory specified by the client and if	-	NA	Subcontract Lab			
		SO WIIO:	INA	Subcontract Lab	); па		
Client Ir	<u>istruction</u>						

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: Contest 211H Frak Line

Work Order: E206156

Job Number: 20046-0001

Received: 6/22/2022

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 6/23/22

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: 6/23/22

Natalie Gladden 7 W. Compress Road Artesia, NM 88210

Project Name: Contest 211H Frak Line

Workorder: E206156

Date Received: 6/22/2022 10:15:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/22/2022 10:15:00AM, under the Project Name: Contest 211H Frak Line.

The analytical test results summarized in this report with the Project Name: Contest 211H Frak Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

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

Rayny Hagan

West Texas Midland/Odessa Area

Envirotech Web Address: www.envirotech-inc.com



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## Sample Summary

Tap Rock	Project Name:	Contest 211H Frak Line	Donovtodi
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	06/23/22 17:45

Client Sample ID	Lab Sample ID   1	Matrix	Sampled	Received	Container
SP 7 B - 5'	E206156-01A	Soil	06/20/22	06/22/22	Glass Jar, 4 oz.
SP 7 B - 10'	E206156-02A	Soil	06/20/22	06/22/22	Glass Jar, 4 oz.
SP 7 B - 15'	E206156-03A	Soil	06/20/22	06/22/22	Glass Jar, 4 oz.
SP 14 B - 5'	E206156-04A	Soil	06/20/22	06/22/22	Glass Jar, 4 oz.
SP 14 B - 10'	E206156-05A	Soil	06/20/22	06/22/22	Glass Jar, 4 oz.
SP 14 B - 15'	E206156-06A	Soil	06/20/22	06/22/22	Glass Jar, 4 oz.
SP 16 B - 5'	E206156-07A	Soil	06/20/22	06/22/22	Glass Jar, 4 oz.
SP 17 B - 5'	E206156-08A	Soil	06/20/22	06/22/22	Glass Jar, 4 oz.



Tap Rock	Project Name:	Contest 211H Frak Line	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	6/23/2022 5:45:19PM

#### SP 7 B - 5' E206156-01

		E200130-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2226061
Benzene	ND	0.0250	1	06/22/22	06/22/22	
Ethylbenzene	ND	0.0250	1	06/22/22	06/22/22	
Toluene	ND	0.0250	1	06/22/22	06/22/22	
o-Xylene	ND	0.0250	1	06/22/22	06/22/22	
p,m-Xylene	ND	0.0500	1	06/22/22	06/22/22	
Total Xylenes	ND	0.0250	1	06/22/22	06/22/22	
Surrogate: 4-Bromochlorobenzene-PID		84.1 %	70-130	06/22/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2226061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/22/22	06/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.9 %	70-130	06/22/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: AK		Batch: 2226058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/22	06/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/22	06/22/22	
Surrogate: n-Nonane		103 %	50-200	06/22/22	06/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: KL		Batch: 2226063
Chloride	8400	400	20	06/22/22	06/23/22	

Tap Rock	Project Name:	Contest 211H Frak Line	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	6/23/2022 5:45:19PM

#### SP 7 B - 10'

		E206156-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2226061
Benzene	ND	0.0250	1	06/22/22	06/22/22	
Ethylbenzene	ND	0.0250	1	06/22/22	06/22/22	
Toluene	ND	0.0250	1	06/22/22	06/22/22	
o-Xylene	ND	0.0250	1	06/22/22	06/22/22	
p,m-Xylene	ND	0.0500	1	06/22/22	06/22/22	
Total Xylenes	ND	0.0250	1	06/22/22	06/22/22	
Surrogate: 4-Bromochlorobenzene-PID		85.2 %	70-130	06/22/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2226061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/22/22	06/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.0 %	70-130	06/22/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: AK		Batch: 2226058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/22	06/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/22	06/22/22	
Surrogate: n-Nonane		114 %	50-200	06/22/22	06/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2226063
Chloride	8370	400	20	06/22/22	06/23/22	



Tap Rock	Project Name:	Contest 211H Frak Line	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	6/23/2022 5:45:19PM

#### SP 7 B - 15' E206156-03

Notes  Batch: 2226061
Batch: 2226061
Batch: 2226061
Batch: 2226058
Batch: 2226063
<del></del>



Tap Rock	Project Name:	Contest 211H Frak Line	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	6/23/2022 5:45:19PM

#### SP 14 B - 5'

		E206156-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2226061
Benzene	ND	0.0250	1	06/22/22	06/22/22	
Ethylbenzene	ND	0.0250	1	06/22/22	06/22/22	
Toluene	ND	0.0250	1	06/22/22	06/22/22	
o-Xylene	ND	0.0250	1	06/22/22	06/22/22	
p,m-Xylene	ND	0.0500	1	06/22/22	06/22/22	
Total Xylenes	ND	0.0250	1	06/22/22	06/22/22	
Surrogate: 4-Bromochlorobenzene-PID		84.4 %	70-130	06/22/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2226061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/22/22	06/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.3 %	70-130	06/22/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: AK		Batch: 2226058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/22	06/23/22	
Surrogate: n-Nonane		103 %	50-200	06/22/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: KL		Batch: 2226063
Chloride	4860	400	20	06/22/22	06/23/22	



# **Sample Data**

Tap Rock	Project Name:	Contest 211H Frak Line	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	6/23/2022 5:45:19PM

#### SP 14 B - 10'

E206156-05						
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RKS		Batch: 2226061
Benzene	ND	0.0250	1	06/22/22	06/22/22	
Ethylbenzene	ND	0.0250	1	06/22/22	06/22/22	
Toluene	ND	0.0250	1	06/22/22	06/22/22	
o-Xylene	ND	0.0250	1	06/22/22	06/22/22	
p,m-Xylene	ND	0.0500	1	06/22/22	06/22/22	
Total Xylenes	ND	0.0250	1	06/22/22	06/22/22	
Surrogate: 4-Bromochlorobenzene-PID		84.6 %	70-130	06/22/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2226061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/22/22	06/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.4 %	70-130	06/22/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: AK		Batch: 2226058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/22	06/23/22	
Surrogate: n-Nonane		97.2 %	50-200	06/22/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2226063
Chloride	3530	40.0	2	06/22/22	06/23/22	



Tap Rock	Project Name:	Contest 211H Frak Line	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	6/23/2022 5:45:19PM

#### SP 14 B - 15'

#### E206156-06

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2226061
Benzene	ND	0.0250	1	06/22/22	06/22/22	
Ethylbenzene	ND	0.0250	1	06/22/22	06/22/22	
Toluene	ND	0.0250	1	06/22/22	06/22/22	
o-Xylene	ND	0.0250	1	06/22/22	06/22/22	
p,m-Xylene	ND	0.0500	1	06/22/22	06/22/22	
Total Xylenes	ND	0.0250	1	06/22/22	06/22/22	
Surrogate: 4-Bromochlorobenzene-PID		84.9 %	70-130	06/22/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2226061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/22/22	06/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.3 %	70-130	06/22/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: AK		Batch: 2226058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/22	06/23/22	
Surrogate: n-Nonane		97.5 %	50-200	06/22/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2226063
Chloride	1390	40.0	2	06/22/22	06/23/22	



Tap Rock	Project Name:	Contest 211H Frak Line	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	6/23/2022 5:45:19PM

#### SP 16 B - 5' E206156-07

		E200150-07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
maryte	Result	Lillit	Dilution	1 repared	Allalyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2226061
Benzene	ND	0.0250	1	06/22/22	06/23/22	
Ethylbenzene	ND	0.0250	1	06/22/22	06/23/22	
Toluene	ND	0.0250	1	06/22/22	06/23/22	
o-Xylene	ND	0.0250	1	06/22/22	06/23/22	
p,m-Xylene	ND	0.0500	1	06/22/22	06/23/22	
Total Xylenes	ND	0.0250	1	06/22/22	06/23/22	
Surrogate: 4-Bromochlorobenzene-PID		89.0 %	70-130	06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2226061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/22/22	06/23/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.1 %	70-130	06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AK		Batch: 2226058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/22	06/23/22	
Surrogate: n-Nonane		92.6 %	50-200	06/22/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2226063
Chloride	3840	40.0	2	06/22/22	06/23/22	



Tap Rock	Project Name:	Contest 211H Frak Line	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	6/23/2022 5:45:19PM

#### SP 17 B - 5'

		E206156-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2226061
Benzene	ND	0.0250	1	06/22/22	06/23/22	
Ethylbenzene	ND	0.0250	1	06/22/22	06/23/22	
Toluene	ND	0.0250	1	06/22/22	06/23/22	
p-Xylene	ND	0.0250	1	06/22/22	06/23/22	
o,m-Xylene	ND	0.0500	1	06/22/22	06/23/22	
Total Xylenes	ND	0.0250	1	06/22/22	06/23/22	
Surrogate: 4-Bromochlorobenzene-PID		87.2 %	70-130	06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2226061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/22/22	06/23/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.6 %	70-130	06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AK		Batch: 2226058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/22	06/23/22	
Surrogate: n-Nonane		111 %	50-200	06/22/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2226063
Chloride	9070	400	20	06/22/22	06/23/22	



Tap Rock 7 W. Compress Road	Project Name: Project Number:	Contest 211H Frak Line 20046-0001	Reported:			
Artesia NM, 88210	Project Manager:	Natalie Gladden	6/23/2022 5:45:19PM			
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Artesia NM, 88210		Project Manager:	N	atalie Gladden					6/23/2022 5:45:19PM
		Volatile O	rganics b	oy EPA 8021	В				Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2226061-BLK1)							Prepared: 0	6/22/22 A	nalyzed: 06/23/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.24		8.00		90.5	70-130			
LCS (2226061-BS1)							Prepared: 0	6/22/22 A	nalyzed: 06/23/22
Benzene	5.26	0.0250	5.00		105	70-130			
Ethylbenzene	4.77	0.0250	5.00		95.4	70-130			
Toluene	5.06	0.0250	5.00		101	70-130			
-Xylene	4.95	0.0250	5.00		99.0	70-130			
o,m-Xylene	9.82	0.0500	10.0		98.2	70-130			
Total Xylenes	14.8	0.0250	15.0		98.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.41		8.00		92.6	70-130			
LCS Dup (2226061-BSD1)							Prepared: 0	6/22/22 A	nalyzed: 06/23/22
Benzene	5.37	0.0250	5.00		107	70-130	2.00	20	
Ethylbenzene	4.87	0.0250	5.00		97.5	70-130	2.16	20	
Toluene	5.17	0.0250	5.00		103	70-130	2.09	20	
o-Xylene	5.05	0.0250	5.00		101	70-130	2.13	20	
o,m-Xylene	10.0	0.0500	10.0		100	70-130	2.11	20	
	15.1	0.0250	15.0		101	70-130	2.12	20	
Total Xylenes	13.1	0.0250	13.0		101	70-130	2.12	20	



Tap Rock 7 W. Compress Road	Project Name: Project Number:	Contest 211H Frak Line 20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	6/23/2022 5:45:19PM

Artesia NM, 88210		Project Manager:		italie Gladden					6/23/2022 5:45:19PN
	Non	halogenated (	Organics 1	by EPA 801	5D - Gl	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2226061-BLK1)							Prepared: 0	6/22/22	Analyzed: 06/23/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.11		8.00		88.8	70-130			
LCS (2226061-BS2)							Prepared: 0	6/22/22	Analyzed: 06/23/22
Gasoline Range Organics (C6-C10)	46.4	20.0	50.0		92.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.18		8.00		89.8	70-130			
LCS Dup (2226061-BSD2)							Prepared: 0	6/22/22	Analyzed: 06/23/22
Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.1	70-130	3.55	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		92.0	70-130			

Tap Rock	Project Name:	Contest 211H Frak Line	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	6/23/2022 5:45:19PM

Artesia NM, 88210		Project Manage	r: N	atalie Gladden					6/23/2022 5:45:19PM
	Nonha	logenated Or	ganics by	EPA 8015D	- DRO	/ORO			Analyst: AK
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2226058-BLK1)							Prepared: 0	6/22/22 A	analyzed: 06/22/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	72.0		50.0		144	50-200			
LCS (2226058-BS1)							Prepared: 0	6/22/22 A	analyzed: 06/22/22
Diesel Range Organics (C10-C28)	557	25.0	500		111	38-132			
Surrogate: n-Nonane	52.8		50.0		106	50-200			
Matrix Spike (2226058-MS1)				Source: 1	E206156-	01	Prepared: 0	6/22/22 A	analyzed: 06/22/22
Diesel Range Organics (C10-C28)	527	25.0	500	ND	105	38-132			
Surrogate: n-Nonane	49.3		50.0		98.6	50-200			
Matrix Spike Dup (2226058-MSD1)				Source: 1	E206156-	01	Prepared: 0	6/22/22 A	analyzed: 06/22/22
Diesel Range Organics (C10-C28)	548	25.0	500	ND	110	38-132	3.93	20	
Surrogate: n-Nonane	54.2		50.0		108	50-200			



Tap Rock 7 W. Compress Road		Project Name: Project Number:	: 2	ontest 211H F 0046-0001					Reported:
Artesia NM, 88210		Project Manager	:: N	atalie Gladder	1				6/23/2022 5:45:19PM
		Anions	by EPA	300.0/9056 <i>E</i>	4				Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2226063-BLK1)							Prepared: 0	6/22/22	Analyzed: 06/22/22
Chloride	ND	20.0							
LCS (2226063-BS1)							Prepared: 0	6/22/22	Analyzed: 06/22/22
Chloride	250	20.0	250		99.9	90-110			
Matrix Spike (2226063-MS1)				Source:	E206155-0	)1	Prepared: 0	6/22/22	Analyzed: 06/22/22
Chloride	248	20.0	250	ND	99.3	80-120			
Matrix Spike Dup (2226063-MSD1)				Source:	E206155-0	)1	Prepared: 0	6/22/22	Analyzed: 06/22/22
Chloride	246	20.0	250	ND	98.5	80-120	0.776	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:	Contest 211H Frak Line	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	06/23/22 17:45

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



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		(		SPF	7 B-	- ک			8								$\exists$	$\mid \mid$	_					
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		_									l									İ				
Additional I	Instruct	ions:							<u> </u>			!										· · · · · · · · · · · · · · · · · · ·		
I, (field sampler)	, attest to	the validity	and authent	icity of this sam	iple. I am a	ware that	ampering with or i	ntentionally mislabelli by: M · RIVERA	ng the sample	locatio	ın _		I	Samples	requir	ing there	nal nree	enetic	00 must	ha	sissed as	ice the day th		
date or time of c	collection is	s considered	fraud and n	nay be grounds	for legal a	tion.	Sampled	by.M. RIVERA	N	W	7		-	packed i	n ice at	t an avg t	emp at	ove 0	but less	than 6	°C on su	bsequent days	ey are sample: :.	or received
Relinquished b	Signal Signal	ture)	Date	. 17	Time	Re	eivedby: (Signa	Thomas	Date 01-0	<i>y</i>	Time /	rl	<u> </u>					La	b Use	Onl		<u> </u>		
Rellif quished b		ure)	Date	-3/22 -3/22	Time [	Be	geiven by: Signa	tare)/	Date,	0	Time	<u> </u>		Recei	ived	on ice	≘:	V	/ N					
Relinquished b			Date		Time		ceived by: (Signa	future)	Oloria	12	10%	15	>_	<u>T1</u>			_ I	2			_ 1	ГЗ		
							co by. (Jigila	·u·cj	John					VVC.	Tam	p °C_	4							
Sample Matrix: S	S - Soil, Sd	- Solid, <b>S</b> g - :	Sludge, A - A	queous, O - Otl	ner				Container	Type	g . p	ass		حاج/ دا	-41			alacc	: W - N	/OA				
Note: Samples	are disca	rded 30 da	ays after re	sults are repo	rted unles	s other a	rangements are	made. Hazardous	amples will b	e reti	irned	to clie	ent or	dispos	ed of	at the	client	expe	nse.	The re	port f	or the analy	rsis of the a	nove
samples is app	nicable or	iiv to those	e samples re	eceived by the	e lahorato	ny with th	ic COC The liebil	itu of the Isharatan															(116 0	

- poly/plastic, ag - amber glass, v - VOA

nt or disposed of at the client expense. The report for the analysis of the above or on the report.

Page 238

Control of the client expense. The report for the analysis of the above or on the report.

samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Printed: 6/22/2022 12:11:05PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

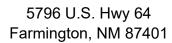
Client:	Tap Rock	Date Received:	06/22/22 10:	15	Work Orde	r ID:	E206156
Phone:	(575) 390-6397	Date Logged In:	06/22/22 08:3	32	Logged In	By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	06/23/22 17:0	00 (1 day TAT)			
Chain of	Custody (COC)						
	e sample ID match the COC?		Yes				
	e number of samples per sampling site location mat	ch the COC	Yes				
3. Were sa	imples dropped off by client or carrier?		Yes	Carrier: U	IPS		
4. Was the	c COC complete, i.e., signatures, dates/times, reques	sted analyses?	No	cumen.	<u> </u>		
5. Were al	I samples received within holding time?	•	Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.			,	<u>Con</u>	nmen	ts/Resolution
	urn Around Time (TAT)				Time complet and	nroi	not managar not
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes		Time sampled and	proje	ect manager not
Sample C					provided on COC.		
	ample cooler received?		Yes				
8. If yes, v	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling	e received w/i 15	Yes				
	risible ice, record the temperature. Actual sample	temperature: 4°C	<u> </u>				
Sample C			3.7				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers		Yes				
	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lab	<del></del>						
	field sample labels filled out with the minimum info ample ID?	rmation:	Yes				
	ate/Time Collected?		No	l			
	ollectors name?		No				
Sample P	reservation_						
21. Does t	the COC or field labels indicate the samples were pr	eserved?	No				
22. Are sa	mple(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	netals?	No				
Multipha	se Sample Matrix						
	he sample have more than one phase, i.e., multipha	se?	No				
27. If yes,	does the COC specify which phase(s) is to be analy	zed?	NA				
	act Laboratory						
	mples required to get sent to a subcontract laborato	ru?	No				
	subcontract laboratory specified by the client and if	-		ubcontract Lab	· no		
	• • •	30 WIIO:	11/21 50	uocomiaci Lao	. на		
Client In	struction						

Date

Report to:

Natalie Gladden





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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

Tap Rock

Project Name: Contest 211H Frak Line

Work Order: E206157

Job Number: 20046-0001

Received: 6/22/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/24/22

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: 6/24/22

Natalie Gladden 7 W. Compress Road Artesia, NM 88210

Project Name: Contest 211H Frak Line

Workorder: E206157

Date Received: 6/22/2022 10:15:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/22/2022 10:15:00AM, under the Project Name: Contest 211H Frak Line.

The analytical test results summarized in this report with the Project Name: Contest 211H Frak Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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## Sample Summary

Tap Rock	Project Name:	Contest 211H Frak Line	Reported:
7 W. Compress Road	Project Number:	20046-0001	Reporteu:
Artesia NM, 88210	Project Manager:	Natalie Gladden	06/24/22 17:16

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP 2 B - 5'	E206157-01A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.
SP 2 B - 10'	E206157-02A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.
SP 3 B - 5'	E206157-03A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.
SP 3 B - 10'	E206157-04A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.
SP 3 B - 15'	E206157-05A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.
SP 4 B - 5'	E206157-06A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.
SP 4 B - 10'	E206157-07A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.
SP 4 B - 15'	E206157-08A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.
SP 4 B - 20'	E206157-09A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.
SP 6 B - 5'	E206157-10A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.
SP 6 B - 10'	E206157-11A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.
SP 6 B - 15'	E206157-12A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.
SP 6 B - 20'	E206157-13A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.
SP 12 B -5'	E206157-14A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.
SP 12 B - 10'	E206157-15A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.
SP 12 B - 15'	E206157-16A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.
SP 12 B - 18'	E206157-17A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.
SP 13 B - 5'	E206157-18A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.
SP 13 B - 10'	E206157-19A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.
SP 13 B - 18'	E206157-20A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.



Tap RockProject Name:Contest 211H Frak Line7 W. Compress RoadProject Number:20046-0001Reported:Artesia NM, 88210Project Manager:Natalie Gladden6/24/20225:16:04PM

SP 2 B - 5' E206157-01

		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2226062
Benzene	ND	0.0250	1	l	06/22/22	06/23/22	
Ethylbenzene	ND	0.0250	1	l	06/22/22	06/23/22	
Toluene	ND	0.0250	1	l	06/22/22	06/23/22	
o-Xylene	ND	0.0250	1	l	06/22/22	06/23/22	
p,m-Xylene	ND	0.0500	1	l	06/22/22	06/23/22	
Total Xylenes	ND	0.0250	1	l	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		96.2 %	70-130		06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		107 %	70-130		06/22/22	06/23/22	
Surrogate: Toluene-d8		94.6 %	70-130		06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	_	Analyst:	IY		Batch: 2226062
Gasoline Range Organics (C6-C10)	ND	20.0	1	[	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		96.2 %	70-130		06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		107 %	70-130		06/22/22	06/23/22	
Surrogate: Toluene-d8		94.6 %	70-130		06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KL		Batch: 2226057
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/22/22	06/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	l	06/22/22	06/22/22	
Surrogate: n-Nonane		114 %	50-200		06/22/22	06/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2226064

Tap RockProject Name:Contest 211H Frak Line7 W. Compress RoadProject Number:20046-0001Reported:Artesia NM, 88210Project Manager:Natalie Gladden6/24/20225:16:04PM

SP 2 B - 10' E206157-02

		E200137-02					
A 1.	D. Iv	Reporting			D 1		N 4
Analyte	Result	Limit	Dilt	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2226062
Benzene	ND	0.0250	1	1	06/22/22	06/23/22	
Ethylbenzene	ND	0.0250		1	06/22/22	06/23/22	
Toluene	ND	0.0250		1	06/22/22	06/23/22	
o-Xylene	ND	0.0250		1	06/22/22	06/23/22	
p,m-Xylene	ND	0.0500		1	06/22/22	06/23/22	
Total Xylenes	ND	0.0250		1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		93.6 %	70-130		06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		06/22/22	06/23/22	
Surrogate: Toluene-d8		95.9 %	70-130		06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2226062
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		93.6 %	70-130		06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		06/22/22	06/23/22	
Surrogate: Toluene-d8		95.9 %	70-130		06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KL		Batch: 2226057
Diesel Range Organics (C10-C28)	ND	25.0		1	06/22/22	06/22/22	
Oil Range Organics (C28-C36)	ND	50.0		1	06/22/22	06/22/22	
Surrogate: n-Nonane		101 %	50-200		06/22/22	06/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2226064
Chloride	156	20.0		1	06/22/22	06/23/22	<del></del>

Tap RockProject Name:Contest 211H Frak Line7 W. Compress RoadProject Number:20046-0001Reported:Artesia NM, 88210Project Manager:Natalie Gladden6/24/20225:16:04PM

SP 3 B - 5' E206157-03

		E200137-03				
Anglista	Result	Reporting Limit	Dilut	ion Duone 1	Amalyza	Notes
Analyte	Resuit	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2226062
Benzene	ND	0.0250	1	06/22/22	06/23/22	
Ethylbenzene	ND	0.0250	1	06/22/22	06/23/22	
Toluene	ND	0.0250	1	06/22/22	06/23/22	
o-Xylene	ND	0.0250	1	06/22/22	06/23/22	
p,m-Xylene	ND	0.0500	1	06/22/22	06/23/22	
Total Xylenes	ND	0.0250	1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		96.8 %	70-130	06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		108 %	70-130	06/22/22	06/23/22	
Surrogate: Toluene-d8		94.7 %	70-130	06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2226062
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		96.8 %	70-130	06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		108 %	70-130	06/22/22	06/23/22	
Surrogate: Toluene-d8		94.7 %	70-130	06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KL		Batch: 2226057
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/22	06/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/22	06/22/22	
Surrogate: n-Nonane		106 %	50-200	06/22/22	06/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL		Batch: 2226064
Chloride	ND	20.0	1	06/22/22	06/23/22	

Tap RockProject Name:Contest 211H Frak Line7 W. Compress RoadProject Number:20046-0001Reported:Artesia NM, 88210Project Manager:Natalie Gladden6/24/20225:16:04PM

SP 3 B - 10' E206157-04

	_	Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2226062
Benzene	ND	0.0250	1	06/22/22	06/23/22	
Ethylbenzene	ND	0.0250	1	06/22/22	06/23/22	
Toluene	ND	0.0250	1	06/22/22	06/23/22	
o-Xylene	ND	0.0250	1	06/22/22	06/23/22	
p,m-Xylene	ND	0.0500	1	06/22/22	06/23/22	
Total Xylenes	ND	0.0250	1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		96.8 %	70-130	06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		107 %	70-130	06/22/22	06/23/22	
Surrogate: Toluene-d8		94.9 %	70-130	06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2226062
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		96.8 %	70-130	06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		107 %	70-130	06/22/22	06/23/22	
Surrogate: Toluene-d8		94.9 %	70-130	06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	aalyst: KL		Batch: 2226057
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/22	06/23/22	
Surrogate: n-Nonane		106 %	50-200	06/22/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: KL		Batch: 2226064
Chloride	990	400	20	06/22/22	06/23/22	



Tap RockProject Name:Contest 211H Frak Line7 W. Compress RoadProject Number:20046-0001Reported:Artesia NM, 88210Project Manager:Natalie Gladden6/24/20225:16:04PM

SP 3 B - 15' E206157-05

		1200137-03				
Aughto	Result	Reporting Limit	Diluti	ion Duomo J	A malvina J	Notes
Analyte	Kesuit	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	analyst: IY		Batch: 2226062
Benzene	ND	0.0250	1	06/22/22	06/23/22	
Ethylbenzene	ND	0.0250	1	06/22/22	06/23/22	
Toluene	ND	0.0250	1	06/22/22	06/23/22	
o-Xylene	ND	0.0250	1	06/22/22	06/23/22	
p,m-Xylene	ND	0.0500	1	06/22/22	06/23/22	
Total Xylenes	ND	0.0250	1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		94.2 %	70-130	06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	06/22/22	06/23/22	
Surrogate: Toluene-d8		94.7 %	70-130	06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	analyst: IY		Batch: 2226062
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		94.2 %	70-130	06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	06/22/22	06/23/22	
Surrogate: Toluene-d8		94.7 %	70-130	06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	analyst: KL		Batch: 2226057
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/22	06/23/22	
Surrogate: n-Nonane		132 %	50-200	06/22/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: KL		Batch: 2226064
Chloride	8310	400	20	06/22/22	06/23/22	_

Tap Rock	Project Name:	Contest 211H Frak Line	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	6/24/2022 5:16:04PM

SP 4 B - 5' E206157-06

		E206157-06				
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2226062
Benzene	ND	0.0250	1	06/22/22	06/23/22	
Ethylbenzene	ND	0.0250	1	06/22/22	06/23/22	
Toluene	ND	0.0250	1	06/22/22	06/23/22	
p-Xylene	ND	0.0250	1	06/22/22	06/23/22	
p,m-Xylene	ND	0.0500	1	06/22/22	06/23/22	
Total Xylenes	ND	0.0250	1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		94.6 %	70-130	06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	06/22/22	06/23/22	
Surrogate: Toluene-d8		95.2 %	70-130	06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2226062
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		94.6 %	70-130	06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	06/22/22	06/23/22	
Surrogate: Toluene-d8		95.2 %	70-130	06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: KL		Batch: 2226057
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/22	06/23/22	
Surrogate: n-Nonane		112 %	50-200	06/22/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: KL		Batch: 2226064
Chloride	7970	400	20	06/22/22	06/23/22	

Tap RockProject Name:Contest 211H Frak Line7 W. Compress RoadProject Number:20046-0001Reported:Artesia NM, 88210Project Manager:Natalie Gladden6/24/20225:16:04PM

#### SP 4 B - 10' E206157-07

		E206157-07					
	D. L	Reporting			,		N.
Analyte	Result	Limit	Diluti	ion Prep	ared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	Analyst: IY			Batch: 2226062
Benzene	ND	0.0250	1	06/2	2/22	06/23/22	
Ethylbenzene	ND	0.0250	1	06/2	2/22	06/23/22	
Toluene	ND	0.0250	1	06/2	2/22	06/23/22	
o-Xylene	ND	0.0250	1	06/2	2/22	06/23/22	
p,m-Xylene	ND	0.0500	1	06/2	2/22	06/23/22	
Total Xylenes	ND	0.0250	1	06/2	2/22	06/23/22	
Surrogate: Bromofluorobenzene		94.4 %	70-130	06/2	22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		111 %	70-130	06/2	22/22	06/23/22	
Surrogate: Toluene-d8		93.9 %	70-130	06/2	22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: IY			Batch: 2226062
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/2	2/22	06/23/22	
Surrogate: Bromofluorobenzene		94.4 %	70-130	06/2	22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		111 %	70-130	06/2	22/22	06/23/22	
Surrogate: Toluene-d8		93.9 %	70-130	06/2	22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: KL			Batch: 2226057
Diesel Range Organics (C10-C28)	ND	25.0	1	06/2	2/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/2	2/22	06/23/22	
Surrogate: n-Nonane		131 %	50-200	06/2	22/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: KL			Batch: 2226064
Chloride	7380	400	20	06/2	2/22	06/24/22	



Tap RockProject Name:Contest 211H Frak Line7 W. Compress RoadProject Number:20046-0001Reported:Artesia NM, 88210Project Manager:Natalie Gladden6/24/20225:16:04PM

#### SP 4 B - 15' E206157-08

	E200137-00				
Result	Limit	Diluti	on Prepared	Analyzed	Notes
mg/kg	mg/kg	A	nalyst: IY		Batch: 2226062
ND	0.0250	1	06/22/22	06/23/22	
ND	0.0250	1	06/22/22	06/23/22	
ND	0.0250	1	06/22/22	06/23/22	
ND	0.0250	1	06/22/22	06/23/22	
ND	0.0500	1	06/22/22	06/23/22	
ND	0.0250	1	06/22/22	06/23/22	
	96.7 %	70-130	06/22/22	06/23/22	
	102 %	70-130	06/22/22	06/23/22	
	96.8 %	70-130	06/22/22	06/23/22	
mg/kg	mg/kg	A	nalyst: IY		Batch: 2226062
ND	20.0	1	06/22/22	06/23/22	
	96.7 %	70-130	06/22/22	06/23/22	
	102 %	70-130	06/22/22	06/23/22	
	96.8 %	70-130	06/22/22	06/23/22	
mg/kg	mg/kg	A	nalyst: KL		Batch: 2226057
ND	25.0	1	06/22/22	06/23/22	
ND	50.0	1	06/22/22	06/23/22	
	102 %	50-200	06/22/22	06/23/22	
mg/kg	mg/kg	A	nalyst: KL		Batch: 2226064
		20	06/22/22	06/24/22	·
	ND N	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           MD         0.0250           96.7 %         102 %           96.8 %         mg/kg           ND         20.0           96.7 %         102 %           96.8 %         mg/kg           MD         25.0           ND         50.0           102 %	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         A           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           96.7 %         70-130         70-130           102 %         70-130         1           96.8 %         70-130         1           96.8 %         70-130         1           102 %         70-130         1           mg/kg         mg/kg         A           ND         25.0         1           ND         50.0         1           102 %         50-200         1	Reporting         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         06/22/22           ND         0.0250         1         06/22/22           ND         0.0250         1         06/22/22           ND         0.0500         1         06/22/22           ND         0.0500         1         06/22/22           ND         0.0250         1         06/22/22           ND         0.0250         1         06/22/22           ND         0.0250         1         06/22/22           ND         70-130         06/22/22           96.8 %         70-130         06/22/22           mg/kg         mg/kg         Analyst: IV           ND         20.0         1         06/22/22           96.7 %         70-130         06/22/22           102 %         70-130         06/22/22           96.8 %         70-130         06/22/22           mg/kg         mg/kg         Analyst: KL           ND         25.0         1         06/22/22           ND         50.0	Reporting         Limit         Dilution         Prepared         Analyzed           mg/kg         Malyste           Mp/kg         Analyst: IY           ND         0.0250         1         06/22/22         06/23/22           ND         0.0250         1         06/22/22         06/23/22           ND         0.0500         1         06/22/22         06/23/22           ND         0.0250         1         06/22/22         06/23/22           ND         0.0250         1         06/22/22         06/23/22           ND         70-130         06/22/22         06/23/22           96.8 %         70-130         06/22/22         06/23/22           mg/kg         Mp/kg         Analyst: KL           ND         25.0         1         06/22/22         06/23/22         06/23/22         06/23/22



Tap RockProject Name:Contest 211H Frak Line7 W. Compress RoadProject Number:20046-0001Reported:Artesia NM, 88210Project Manager:Natalie Gladden6/24/20225:16:04PM

SP 4 B - 20' E206157-09

Austra	Result	Reporting Limit	Dilutio	D	A l J	Notes
Analyte	Kesuit	Limit	Dilutio	on Prepared	Analyzed	inotes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2226062
Benzene	ND	0.0250	1	06/22/22	06/23/22	
Ethylbenzene	ND	0.0250	1	06/22/22	06/23/22	
Toluene	ND	0.0250	1	06/22/22	06/23/22	
o-Xylene	ND	0.0250	1	06/22/22	06/23/22	
p,m-Xylene	ND	0.0500	1	06/22/22	06/23/22	
Total Xylenes	ND	0.0250	1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		95.7 %	70-130	06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	06/22/22	06/23/22	
Surrogate: Toluene-d8		96.1 %	70-130	06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2226062
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		95.7 %	70-130	06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	06/22/22	06/23/22	
Surrogate: Toluene-d8		96.1 %	70-130	06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: KL		Batch: 2226057
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/22	06/23/22	
Surrogate: n-Nonane		123 %	50-200	06/22/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: KL		Batch: 2226064
Chloride	3330	400	20	06/22/22	06/24/22	



Tap RockProject Name:Contest 211H Frak Line7 W. Compress RoadProject Number:20046-0001Reported:Artesia NM, 88210Project Manager:Natalie Gladden6/24/20225:16:04PM

SP 6 B - 5' E206157-10

		E200137-10				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2226062
Benzene	ND	0.0250	1	06/22/22	06/23/22	
Ethylbenzene	ND	0.0250	1	06/22/22	06/23/22	
Toluene	ND	0.0250	1	06/22/22	06/23/22	
o-Xylene	ND	0.0250	1	06/22/22	06/23/22	
p,m-Xylene	ND	0.0500	1	06/22/22	06/23/22	
Total Xylenes	ND	0.0250	1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		94.0 %	70-130	06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	06/22/22	06/23/22	
Surrogate: Toluene-d8		94.3 %	70-130	06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2226062
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		94.0 %	70-130	06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	06/22/22	06/23/22	
Surrogate: Toluene-d8		94.3 %	70-130	06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: KL		Batch: 2226057
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/22	06/23/22	
Surrogate: n-Nonane		98.5 %	50-200	06/22/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: KL		Batch: 2226064
Chloride	7230	400	20	06/22/22	06/24/22	

Tap RockProject Name:Contest 211H Frak Line7 W. Compress RoadProject Number:20046-0001Reported:Artesia NM, 88210Project Manager:Natalie Gladden6/24/20225:16:04PM

SP 6 B - 10' E206157-11

	D. I	Reporting				N. A
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2226062
Benzene	ND	0.0250	1	06/22/22	06/23/22	
Ethylbenzene	ND	0.0250	1	06/22/22	06/23/22	
Toluene	ND	0.0250	1	06/22/22	06/23/22	
o-Xylene	ND	0.0250	1	06/22/22	06/23/22	
p,m-Xylene	ND	0.0500	1	06/22/22	06/23/22	
Total Xylenes	ND	0.0250	1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		95.1 %	70-130	06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	06/22/22	06/23/22	
Surrogate: Toluene-d8		94.9 %	70-130	06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2226062
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		95.1 %	70-130	06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	06/22/22	06/23/22	
Surrogate: Toluene-d8		94.9 %	70-130	06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: KL		Batch: 2226057
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/22	06/23/22	_
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/22	06/23/22	
Surrogate: n-Nonane		107 %	50-200	06/22/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: KL		Batch: 2226064
Chloride	7510	400	20	06/22/22	06/24/22	



Tap RockProject Name:Contest 211H Frak Line7 W. Compress RoadProject Number:20046-0001Reported:Artesia NM, 88210Project Manager:Natalie Gladden6/24/20225:16:04PM

#### SP 6 B - 15' E206157-12

	E200137-12				
P. acult	Reporting	Diluti	ion Propare	nd Analyzad	Notes
Result	Limit	Diluti	ion repare	Allalyzeu	Notes
mg/kg	mg/kg	A	Analyst: IY		Batch: 2226062
ND	0.0250	1	06/22/2	22 06/23/22	
ND	0.0250	1	06/22/2	22 06/23/22	
ND	0.0250	1	06/22/2	22 06/23/22	
ND	0.0250	1	06/22/2	22 06/23/22	
ND	0.0500	1	06/22/2	22 06/23/22	
ND	0.0250	1	06/22/2	22 06/23/22	
	94.0 %	70-130	06/22/2	22 06/23/22	
	106 %	70-130	06/22/2	22 06/23/22	
	95.2 %	70-130	06/22/2	22 06/23/22	
mg/kg	mg/kg	A	Analyst: IY		Batch: 2226062
ND	20.0	1	06/22/2	22 06/23/22	
	94.0 %	70-130	06/22/2	22 06/23/22	
	106 %	70-130	06/22/2	22 06/23/22	
	95.2 %	70-130	06/22/2	22 06/23/22	
mg/kg	mg/kg	A	Analyst: KL		Batch: 2226057
ND	25.0	1	06/22/2	22 06/23/22	
ND	50.0	1	06/22/2	22 06/23/22	
	103 %	50-200	06/22/2	22 06/23/22	
mg/kg	mg/kg	A	Analyst: KL		Batch: 2226064
7030	400	20	06/22/2	22 06/24/22	
	ND Mg/kg ND Mg/kg	Result         Reporting           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           94.0 %         106 %           95.2 %         mg/kg           ND         20.0           94.0 %         106 %           95.2 %         mg/kg           mg/kg         mg/kg           ND         25.0           ND         50.0           103 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilut           mg/kg         mg/kg         A           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           94.0 %         70-130         70-130           mg/kg         mg/kg         A           ND         20.0         1           95.2 %         70-130         A           106 %         70-130         A           95.2 %         70-130         A           mg/kg         mg/kg         A           ND         25.0         1           ND         50.0         1           103 %         50-200	Reporting           Result         Limit         Dilution         Prepare           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         06/22/2           ND         0.0250         1         06/22/2           ND         0.0250         1         06/22/2           ND         0.0250         1         06/22/2           ND         0.0500         1         06/22/2           ND         0.0250         1         06/22/2           106 %         70-130         06/22/2           94.0 %         70-130         06/22/2           95.2 %         70-130         06/22/2           106 %         70-130         06/22/2           94.0 %         70-130         06/22/2           106 %         70-130         06/22/2           95.2 %         70-130         06/22/2           mg/kg         mg/kg         Analyst: KL           ND         25.0         1         06/22/2           ND         50.0         1         06/22/2           ng/kg         mg/kg         Analyst: KL	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         06/22/22         06/23/22           ND         0.0250         1         06/22/22         06/23/22           ND         0.0250         1         06/22/22         06/23/22           ND         0.0500         1         06/22/22         06/23/22           ND         0.0250         1         06/22/22         06/23/22           ND         0.0500         1         06/22/22         06/23/22           ND         0.0250         1         06/22/22         06/23/22           ND         0.0250         1         06/22/22         06/23/22           106 %         70-130         06/22/22         06/23/22           94.0 %         70-130         06/22/22         06/23/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         06/22/22         06/23/22           94.0 %         70-130         06/22/22         06/23/22           95.2 %         70-130         06/22/22         <



Tap Rock	Project Name:	Contest 211H Frak Line	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	6/24/2022 5:16:04PM

#### SP 6 B - 20' E206157-13

		E20615/-13					
		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2226062
Benzene	ND	0.0250		1	06/22/22	06/23/22	
Ethylbenzene	ND	0.0250		1	06/22/22	06/23/22	
Toluene	ND	0.0250		1	06/22/22	06/23/22	
o-Xylene	ND	0.0250		1	06/22/22	06/23/22	
p,m-Xylene	ND	0.0500		1	06/22/22	06/23/22	
Total Xylenes	ND	0.0250		1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		95.9 %	70-130		06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		06/22/22	06/23/22	
Surrogate: Toluene-d8		95.5 %	70-130		06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2226062
Gasoline Range Organics (C6-C10)	ND	20.0	:	1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		95.9 %	70-130		06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		06/22/22	06/23/22	
Surrogate: Toluene-d8		95.5 %	70-130		06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KL		Batch: 2226057
Diesel Range Organics (C10-C28)	ND	25.0		1	06/22/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0		1	06/22/22	06/23/22	
Surrogate: n-Nonane		105 %	50-200		06/22/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: KL		Batch: 2226064
Chloride	1410	400	2	.0	06/22/22	06/24/22	



Tap Rock	Project Name:	Contest 211H Frak Line	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	6/24/2022 5:16:04PM

#### SP 12 B -5' E206157-14

		E200137-14					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2226062
Benzene	ND	0.0250	1	1	06/22/22	06/23/22	
Ethylbenzene	ND	0.0250	1	1	06/22/22	06/23/22	
Toluene	ND	0.0250	1	1	06/22/22	06/23/22	
o-Xylene	ND	0.0250	1	1	06/22/22	06/23/22	
p,m-Xylene	ND	0.0500	1	1	06/22/22	06/23/22	
Total Xylenes	ND	0.0250	1	1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		94.4 %	70-130		06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		06/22/22	06/23/22	
Surrogate: Toluene-d8		94.5 %	70-130		06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2226062
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		94.4 %	70-130		06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		06/22/22	06/23/22	
Surrogate: Toluene-d8		94.5 %	70-130		06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KL		Batch: 2226057
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/22/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	l	06/22/22	06/23/22	
Surrogate: n-Nonane		94.2 %	50-200		06/22/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: KL		Batch: 2226064
Chloride	8480	400	2	0	06/22/22	06/24/22	

Tap RockProject Name:Contest 211H Frak Line7 W. Compress RoadProject Number:20046-0001Reported:Artesia NM, 88210Project Manager:Natalie Gladden6/24/20225:16:04PM

SP 12 B - 10'

		E206157-15				
		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	analyst: IY		Batch: 2226062
Benzene	ND	0.0250	1	06/22/22	06/23/22	
Ethylbenzene	ND	0.0250	1	06/22/22	06/23/22	
Toluene	ND	0.0250	1	06/22/22	06/23/22	
o-Xylene	ND	0.0250	1	06/22/22	06/23/22	
p,m-Xylene	ND	0.0500	1	06/22/22	06/23/22	
Total Xylenes	ND	0.0250	1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		95.4 %	70-130	06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	06/22/22	06/23/22	
Surrogate: Toluene-d8		94.2 %	70-130	06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	analyst: IY		Batch: 2226062
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		95.4 %	70-130	06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	06/22/22	06/23/22	
Surrogate: Toluene-d8		94.2 %	70-130	06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	analyst: KL		Batch: 2226057
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/22	06/23/22	
Surrogate: n-Nonane		106 %	50-200	06/22/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: KL		Batch: 2226064
Chloride	7010	400	20	06/22/22	06/24/22	



Tap RockProject Name:Contest 211H Frak Line7 W. Compress RoadProject Number:20046-0001Reported:Artesia NM, 88210Project Manager:Natalie Gladden6/24/20225:16:04PM

SP 12 B - 15'

		E206157-16							
Reporting									
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes		
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: Γ	Y		Batch: 2226062		
Benzene	ND	0.0250	1	1	06/22/22	06/23/22			
Ethylbenzene	ND	0.0250	1	I	06/22/22	06/23/22			
Toluene	ND	0.0250	1	I	06/22/22	06/23/22			
o-Xylene	ND	0.0250	1	1	06/22/22	06/23/22			
p,m-Xylene	ND	0.0500	1	1	06/22/22	06/23/22			
Total Xylenes	ND	0.0250	1	l	06/22/22	06/23/22			
Surrogate: Bromofluorobenzene		94.9 %	70-130		06/22/22	06/23/22			
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		06/22/22	06/23/22			
Surrogate: Toluene-d8		95.3 %	70-130		06/22/22	06/23/22			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: Γ	Y		Batch: 2226062		
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	06/22/22	06/23/22			
Surrogate: Bromofluorobenzene		94.9 %	70-130		06/22/22	06/23/22			
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		06/22/22	06/23/22			
Surrogate: Toluene-d8		95.3 %	70-130		06/22/22	06/23/22			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: K	L		Batch: 2226057		
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/22/22	06/23/22			
Oil Range Organics (C28-C36)	ND	50.0	1	1	06/22/22	06/23/22			
Surrogate: n-Nonane		102 %	50-200		06/22/22	06/23/22			
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: K	L		Batch: 2226064		

100

5

06/22/22

06/24/22

1720



Chloride

Tap RockProject Name:Contest 211H Frak Line7 W. Compress RoadProject Number:20046-0001Reported:Artesia NM, 88210Project Manager:Natalie Gladden6/24/20225:16:04PM

SP 12 B - 18'

		E206157-17					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: I	Y		Batch: 2226062
Benzene	ND	0.0250		1	06/22/22	06/23/22	
Ethylbenzene	ND	0.0250		1	06/22/22	06/23/22	
Toluene	ND	0.0250		1	06/22/22	06/23/22	
o-Xylene	ND	0.0250		1	06/22/22	06/23/22	
p,m-Xylene	ND	0.0500		1	06/22/22	06/23/22	
Total Xylenes	ND	0.0250		1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		93.6 %	70-130		06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		06/22/22	06/23/22	
Surrogate: Toluene-d8		95.4 %	70-130		06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: I	Y		Batch: 2226062
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		93.6 %	70-130		06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		06/22/22	06/23/22	
Surrogate: Toluene-d8		95.4 %	70-130		06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: I	KL		Batch: 2226057
Diesel Range Organics (C10-C28)	25.5	25.0		1	06/22/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0	:	1	06/22/22	06/23/22	
Surrogate: n-Nonane		99.3 %	50-200		06/22/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: I	KL		Batch: 2226064

20.0

06/22/22

06/24/22

774



Chloride

Tap RockProject Name:Contest 211H Frak Line7 W. Compress RoadProject Number:20046-0001Reported:Artesia NM, 88210Project Manager:Natalie Gladden6/24/20225:16:04PM

SP 13 B - 5' E206157-18

		E200157-18					
		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2226062
Benzene	ND	0.0250	1	1	06/22/22	06/23/22	
Ethylbenzene	ND	0.0250	1	1	06/22/22	06/23/22	
Toluene	ND	0.0250	1	1	06/22/22	06/23/22	
o-Xylene	ND	0.0250	1	1	06/22/22	06/23/22	
p,m-Xylene	ND	0.0500	1	1	06/22/22	06/23/22	
Total Xylenes	ND	0.0250	1	1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		93.0 %	70-130		06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		06/22/22	06/23/22	
Surrogate: Toluene-d8		95.2 %	70-130		06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2226062
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		93.0 %	70-130		06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		06/22/22	06/23/22	
Surrogate: Toluene-d8		95.2 %	70-130		06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KL		Batch: 2226057
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/22/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	06/22/22	06/23/22	
Surrogate: n-Nonane		104 %	50-200		06/22/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: KL		Batch: 2226064
Chloride	6720	200	1	0	06/22/22	06/24/22	

Tap Rock	Project Name:	Contest 211H Frak Line	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	6/24/2022 5:16:04PM

#### SP 13 B - 10' E206157-19

	E200137-17				
Result	Limit	Diluti	ion Prepared	Analyzed	Notes
mg/kg	mg/kg	A	analyst: IY		Batch: 2226062
ND	0.0250	1	06/22/22	06/23/22	
ND	0.0250	1	06/22/22	06/23/22	
ND	0.0250	1	06/22/22	06/23/22	
ND	0.0250	1	06/22/22	06/23/22	
ND	0.0500	1	06/22/22	06/23/22	
ND	0.0250	1	06/22/22	06/23/22	
	92.5 %	70-130	06/22/22	06/23/22	
	103 %	70-130	06/22/22	06/23/22	
	95.2 %	70-130	06/22/22	06/23/22	
mg/kg	mg/kg	A	analyst: IY		Batch: 2226062
ND	20.0	1	06/22/22	06/23/22	
	92.5 %	70-130	06/22/22	06/23/22	
	103 %	70-130	06/22/22	06/23/22	
	95.2 %	70-130	06/22/22	06/23/22	
mg/kg	mg/kg	A	analyst: KL		Batch: 2226057
ND	25.0	1	06/22/22	06/23/22	
ND	50.0	1	06/22/22	06/23/22	
	117 %	50-200	06/22/22	06/23/22	
mg/kg	mg/kg	A	analyst: KL		Batch: 2226064
g. 11.5	gg				
	mg/kg ND	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           92.5 %         103 %           95.2 %         mg/kg           ND         20.0           92.5 %         103 %           95.2 %         103 %           95.2 %         mg/kg           MD         25.0           ND         50.0           117 %	Reporting           Result         Limit         Dilut           mg/kg         mg/kg         A           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           92.5 %         70-130         70-130           95.2 %         70-130         1           mg/kg         mg/kg         A           ND         20.0         1           92.5 %         70-130         70-130           mg/kg         mg/kg         A           ND         25.0         1           ND         50.0         1           117 %         50-200	Reporting Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         06/22/22           ND         0.0250         1         06/22/22           ND         0.0250         1         06/22/22           ND         0.0250         1         06/22/22           ND         0.0500         1         06/22/22           ND         0.0250         1         06/22/22           ND         0.0250         1         06/22/22           103 %         70-130         06/22/22           95.2 %         70-130         06/22/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         06/22/22           95.2 %         70-130         06/22/22           95.2 %         70-130         06/22/22           95.2 %         70-130         06/22/22           mg/kg         mg/kg         Analyst: KL           ND         25.0         1         06/22/22           ND         50.0         1         06/22/22           ND         50.0         1         06/22/22 <td>Reporting           Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         06/22/22         06/23/22           ND         0.0500         1         06/22/22         06/23/22           ND         0.0250         1         06/22/22         06/23/22           ND         0.0250         1         06/22/22         06/23/22           103 %         70-130         06/22/22         06/23/22           92.5 %         70-130         06/22/22         06/23/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         06/22/22         06/23/22           92.5 %         70-130         06/22/22         06/23/22           95.2 %         70-130         06/22/22         06/23/22           mg/kg         mg/kg         Analyst: KL           ND         <t< td=""></t<></td>	Reporting           Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         06/22/22         06/23/22           ND         0.0500         1         06/22/22         06/23/22           ND         0.0250         1         06/22/22         06/23/22           ND         0.0250         1         06/22/22         06/23/22           103 %         70-130         06/22/22         06/23/22           92.5 %         70-130         06/22/22         06/23/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         06/22/22         06/23/22           92.5 %         70-130         06/22/22         06/23/22           95.2 %         70-130         06/22/22         06/23/22           mg/kg         mg/kg         Analyst: KL           ND <t< td=""></t<>



Tap RockProject Name:Contest 211H Frak Line7 W. Compress RoadProject Number:20046-0001Reported:Artesia NM, 88210Project Manager:Natalie Gladden6/24/20225:16:04PM

#### SP 13 B - 18' E206157-20

Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Thaire					•	rmaryzea	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2226062
Benzene	ND	0.0250		1	06/22/22	06/23/22	
Ethylbenzene	ND	0.0250		1	06/22/22	06/23/22	
Toluene	ND	0.0250		1	06/22/22	06/23/22	
o-Xylene	ND	0.0250		1	06/22/22	06/23/22	
p,m-Xylene	ND	0.0500		1	06/22/22	06/23/22	
Total Xylenes	ND	0.0250		1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		93.4 %	70-130		06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130		06/22/22	06/23/22	
Surrogate: Toluene-d8		95.4 %	70-130		06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2226062
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		93.4 %	70-130		06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130		06/22/22	06/23/22	
Surrogate: Toluene-d8		95.4 %	70-130		06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KL		Batch: 2226057
Diesel Range Organics (C10-C28)	ND	25.0		1	06/22/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0		1	06/22/22	06/23/22	
Surrogate: n-Nonane		109 %	50-200		06/22/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2226064

20.0

06/22/22

06/24/22

803



Chloride

Tap RockProject Name:Contest 211H Frak LineReported:7 W. Compress RoadProject Number:20046-0001Artesia NM, 88210Project Manager:Natalie Gladden6/24/20225:16:04PM

7 W. Compress Road Artesia NM, 88210		Project Number: Project Manager:		0046-0001 atalie Gladden				6	/24/2022 5:16:04PM
Artesia Wil, 60210									72 112022 3.10.0 11 14
	•	Volatile Organic	Compo	unds by EPA	A 8260I	3			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2226062-BLK1)							Prepared: 0	6/22/22 An	alyzed: 06/23/22
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: Bromofluorobenzene	0.473		0.500		94.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130			
Surrogate: Toluene-d8	0.473		0.500		94.5	70-130			
LCS (2226062-BS1)							Prepared: 0	6/22/22 An	alyzed: 06/24/22
Benzene	2.31	0.0250	2.50		92.4	70-130			
Ethylbenzene	2.32	0.0250	2.50		92.7	70-130			
Toluene	2.29	0.0250	2.50		91.4	70-130			
o-Xylene	2.37	0.0250	2.50		94.6	70-130			
p,m-Xylene	4.69	0.0500	5.00		93.8	70-130			
Total Xylenes	7.06	0.0250	7.50		94.1	70-130			
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			
Surrogate: Toluene-d8	0.500		0.500		99.9	70-130			
LCS Dup (2226062-BSD1)							Prepared: 0	6/22/22 An	alyzed: 06/24/22
Benzene	2.35	0.0250	2.50		94.1	70-130	1.80	23	
Ethylbenzene	2.36	0.0250	2.50		94.4	70-130	1.88	27	
Toluene	2.34	0.0250	2.50		93.4	70-130	2.16	24	
o-Xylene	2.42	0.0250	2.50		96.6	70-130	2.07	27	
o,m-Xylene	4.78	0.0500	5.00		95.6	70-130	1.94	27	
Total Xylenes	7.20	0.0250	7.50		96.0	70-130	1.99	27	
Surrogate: Bromofluorobenzene	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130			

0.500



70-130

Surrogate: Toluene-d8

0.505

Tap RockProject Name:Contest 211H Frak LineReported:7 W. Compress RoadProject Number:20046-0001Artesia NM, 88210Project Manager:Natalie Gladden6/24/20225:16:04PM

Nonhalogenated	<b>Organics</b>	by EPA	8015D -	GRO

Anal	

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

Blank (2226062-BLK1)						Prepared: 06	/22/22 Analy	zed: 06/23/22
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.473		0.500	94.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500	99.5	70-130			
Surrogate: Toluene-d8	0.473		0.500	94.5	70-130			
LCS (2226062-BS2)						Prepared: 06	/22/22 Analy	zed: 06/24/22
Gasoline Range Organics (C6-C10)	48.1	20.0	50.0	96.3	70-130			
Surrogate: Bromofluorobenzene	0.501		0.500	100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500	97.4	70-130			
Surrogate: Toluene-d8	0.501		0.500	100	70-130			
LCS Dup (2226062-BSD2)						Prepared: 06	/22/22 Analy	zed: 06/24/22
Gasoline Range Organics (C6-C10)	46.0	20.0	50.0	92.0	70-130	4.57	20	
Surrogate: Bromofluorobenzene	0.497		0.500	99.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500	97.0	70-130			
Surrogate: Toluene-d8	0.497		0.500	99.4	70-130			



Tap Rock	Project Name:	Contest 211H Frak Line	Reported:
7 W. Compress Road	Project Number:	20046-0001	•
Artesia NM, 88210	Project Manager:	Natalie Gladden	6/24/2022 5:16:04PM

Artesia NM, 88210		Project Manage	r: N	atalie Gladden					6/24/2022 5:16:04PM
	Nonhal	logenated Or	ganics by	EPA 8015D	- DRO	/ORO			Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2226057-BLK1)							Prepared: 0	6/22/22 A	nalyzed: 06/22/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	50.0		50.0		100	50-200			
LCS (2226057-BS1)							Prepared: 0	6/22/22 A	nalyzed: 06/22/22
Diesel Range Organics (C10-C28)	520	25.0	500		104	38-132			
urrogate: n-Nonane	52.2		50.0		104	50-200			
Matrix Spike (2226057-MS1)				Source: 1	E206157-	05	Prepared: 0	6/22/22 A	nalyzed: 06/22/22
Diesel Range Organics (C10-C28)	542	25.0	500	ND	108	38-132			
urrogate: n-Nonane	50.2		50.0		100	50-200			
Matrix Spike Dup (2226057-MSD1)				Source: 1	E206157-	05	Prepared: 0	6/22/22 A	analyzed: 06/22/22
Diesel Range Organics (C10-C28)	565	25.0	500	ND	113	38-132	4.21	20	
urrogate: n-Nonane	37.2		50.0		74.5	50-200			



Tap Rock		Project Name: Contest 211H Frak Line						Reported:		
7 W. Compress Road Artesia NM, 88210		Project Number: Project Manager:		0046-0001 atalie Gladder	1				6/24/2022 5:16:04PM	
		Anions l	by EPA 3	300.0/9056 <i>A</i>	<b>\</b>				Analyst: KL	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2226064-BLK1)							Prepared: 0	6/22/22	Analyzed: 06/23/22	
Chloride	ND	20.0								
LCS (2226064-BS1)							Prepared: 0	6/22/22	Analyzed: 06/23/22	
Chloride	264	20.0	250		106	90-110				
Matrix Spike (2226064-MS1)				Source:	E206157-0	)1	Prepared: 0	6/22/22	Analyzed: 06/23/22	
Chloride	268	20.0	250	ND	107	80-120				
Matrix Spike Dup (2226064-MSD1)				Source:	E206157-0	)1	Prepared: 0	6/22/22	Analyzed: 06/23/22	
Chloride	266	20.0	250	ND	107	80-120	0.744	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:	Contest 211H Frak Line	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	06/24/22 17:16

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.



roject In	formation	1				Chain of Custod	У						. <b>.</b> •				Page	/_ of
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\ddress:					City, State, Zip HOBBS	NM 88240				Ä	haly	is and Method	<del>i                                      </del>					RCRA
City, State	e, Zip				Phone: 575 390 G	<u> 5397                                     </u>				- T								
hone:					Email: NATALIE S	LADOSN	8015	8015		ŀ	- 1	1 .	!	1			State	
mail:		****				<u>.</u>	88		ដ			8	Σ	l		NM CO	UT AZ	TX
leport du	ie by:						] ຊື່	စ္စ	80,	826	901	6 9	Σ	=	l i			<u> </u>
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	DRO/ORO by	GRO/DRO by	втех by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC	ВСВОС			Remark	5
	6/17/22	5)	1	SP2.	B-5'								X			· L		
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Addition	al Instruct	tions:		1								· · · · · ·		r	·	· · · · · · · · · · · · · · · · · · ·		
, (field samp	ler), attest to	the validity	and authen	ticity of this sample. 1	am aware that tampering with or intentions gal action.  Sampled by: M4  Received by (Signator)	ally mislabelling the samp	le locati	99/	7							ceived on ice the day	•	pled or receive
ate or time	or collection i	is considered	a traud and	may be grounds for leg	gal action. Sampled by: M			Time	~/	<del>,  </del>					se On		,	
No.	d by signa	1	6/	17/22	TIGO DAND	m) 6-	Ya	Time	<u> </u>		Rece	eived on ice:						
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kelinquishe	ed by: (Signa	iture)	Date	Time	Received by: (Signature)	Date		Time				Temp °CZ	4					
mole Matr	ix: S - Soil, Sd	- Solid, Sg -	Sludge, A - A	Aqueous, O - Other		Contain	er Typ	e: <b>g</b> - :	glass.	<b>p</b> - pc	lo/vlc	astic, ag - amb	er gla	iss. v	- VOA			

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Client: TAPROCK	Bill To				Lab	o Use	e Only			Ī		TA	AT.	EPA F	rogram
Project: CONTEST 211H FRAK LIGA	Attention: £SS		Lab \	NO#						1D	2D	3D	Stand		SDWA
Project Manager:	Address: 2-724 w. county RJ	<u>'</u>	Eλ	206	15	7	200	umber <i>46-0</i>	ml	¥	X				
Address:	City, State, ZipHOBBS NM 882	40						s and M		1					RCRA
City, State, Zip	Phone: 575 390-6397														
Phone:	Email: NATALIE GLADO	en_	8015	55				ŀ				i		State	
Report due by:		i	ρ' Α	8	٦ l	ွှ		e		Σ			NM	CO UT AZ	TX
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Time Date Matrix No. of Containers Sample ID		Lab Number	око/око	GRO/DRO by 8015	ВТЕХ by 8021	VOC by 8260	Metals 6010	Chloride 300.0		верос	ВСВОС			Remarks	,
6/17/2 S 1 SP 68-	10-	11								X					
// SP 6B.	i T	19													
SP 6.B-	20-	13													
SP12 B	-5	14													
Sp12 B	-10 -	15								7					
50128-		16													
SP 12B-		17													
SP13B-		18													
SP/3B-		19													
SP135		20								1					
Additional Instructions:			•					•		I					
I, (field sampler), attest to the validity and authenticity of this sample. I am date or time of collection is considered fraud and may be grounds for legal	aware that tampering with or intentionally mislabelling action.  Sampled by He Rive	the sample	logatio	7									eived on ice t °C on subseq	he day they are samp uent days.	ed or received
Relinquished by: (Signature)  Date  Time	(Regeiged by: (Signature)	Pate Win	27		41		Receiv	ed on i	ica:		ab Us	e Onl	У		
Relinquished by: (Signature)  Relinquished by: (Signature)  Date  Time	Received by Signature Little	Colver 1		Time			<u>Γ1</u>	eu on		T2	// IN		<u>T3_</u>		
	Received by: (Signature)	Date		Time			AVG T	emp °C	_4	Ł					
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		Container	Type:	g - gla	ss, p	- pol	v/plas	tic. ag -	ambe	r glas	s, v -	VOA			
Note: Samples are discarded 30 days after results are reported unle samples is applicable only to those samples received by the laborat	ess other arrangements are made. Hazardous sar	mples will b	e retu	rned to	clien	nt or c	lispose	d of at th	ne clien	t expe	ense.	The re	eport for th	e analysis of the	above

envirotech Inc.

Printed: 6/22/2022 12:14:22PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Tap Rock	Date Received:	06/22/22 10:		Work Order	ID:	E206157
Phone:	(575) 390-6397	Date Logged In:	06/22/22 08:		Logged In B	y:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	06/23/22 17:	00 (1 day TAT)			
Chain of	Custody (COC)						
	e sample ID match the COC?		Yes				
	e number of samples per sampling site location man	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: <u>U</u>	<u>IPS</u>		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	No				
5. were at	Il samples received within holding time?  Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.		Yes	_	<u>Com</u>	men	ts/Resolution
	urn Around Time (TAT)				Time semulad and a	:	4
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes		Time sampled and p	roje	ect manager not
Sample C					provided on COC.		
	ample cooler received?		Yes				
• /	was cooler received in good condition?		Yes				
	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
Sample C			_				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	trip blank (TB) included for VOC analyses?		NA				
18. Are no	on-VOC samples collected in the correct containers'	?	Yes				
19. Is the a	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lab	<u>oel</u>						
20. Were	field sample labels filled out with the minimum info	ormation:					
	ample ID?		Yes				
	ate/Time Collected?		No	•			
	ollectors name?		No				
	<u>reservation</u> the COC or field labels indicate the samples were p	recerved?	No				
	umple(s) correctly preserved?	reserved:	NA				
	filteration required and/or requested for dissolved n	netals?	No				
	•		110				
	se Sample Matrix_ :he sample have more than one phase, i.e., multipha	sa?	No				
	does the COC specify which phase(s) is to be analy		No				
		yzcu:	NA				
	act Laboratory						
	imples required to get sent to a subcontract laborato	-	No				
29. Was a	subcontract laboratory specified by the client and in	t so who?	NA S	ubcontract Lab	: na		
Client In	<u>struction</u>						
						—	

Date

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

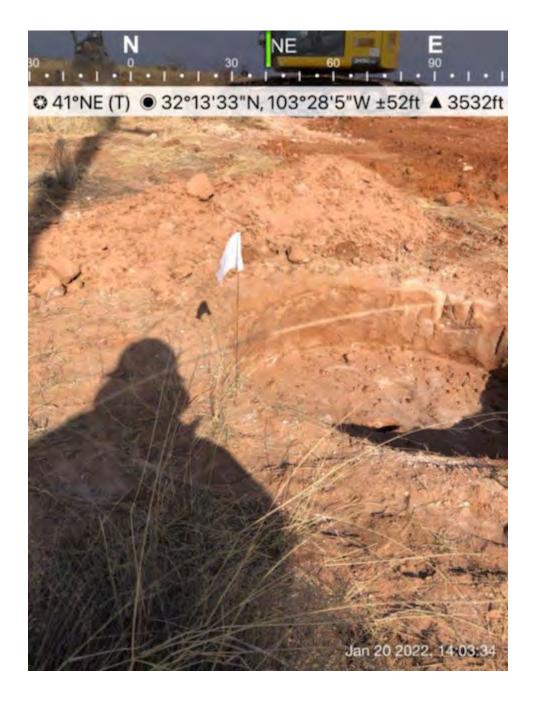
#### **CONTEST DELINEATION PHOTOS**



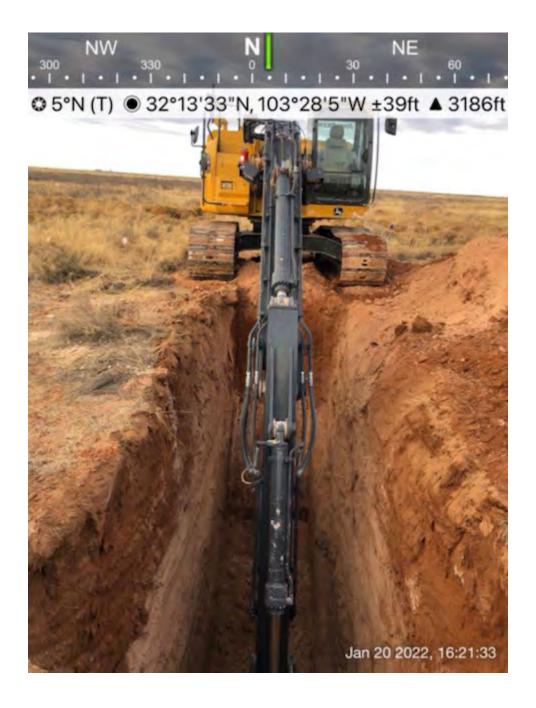


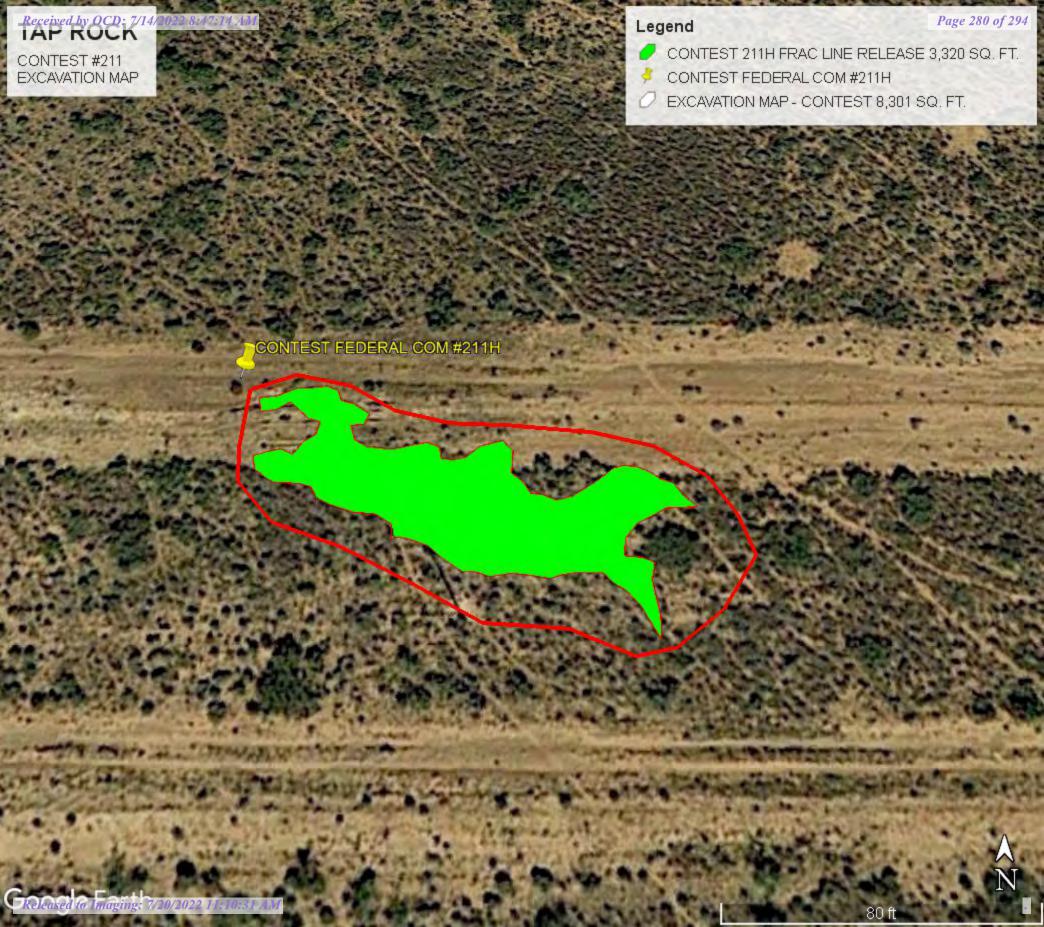












#### **CONTEST EXCAVATION PHOTOS**























#### **Natalie Gladden**

From:

OCDOnline@state.nm.us

Sent:

Monday, April 25, 2022 11:49 AM

To:

Natalie Gladden

Subject:

The Oil Conservation Division (OCD) has rejected the application, Application ID: 90226

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

The OCD has rejected the submitted Application for administrative approval of a release notification and corrective action (C-141), for incident ID (n#) nAPP2127930986,

for the following reasons:

• Remediation Plan Denied. Not horizontally delineated by SW-1. Lack of sufficient characterization data at shallow depths to provide proof of environmental safety. Please resubmit revised Remediation Plan by May 27, 2022.

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 90226.

Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,
Jennifer Nobui
Environmental Specialist-Advanced
505-476-3441
Jennifer.Nobui@state.nm.us

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive Santa Fe, NM 87505 Released to Imaging: 7/20/2022 11:10:31 AM

Received by OCD: 7/14/2022 8:47:14 AM
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Page 291 of 294 Incident ID District RP Facility ID

Application ID

### Site Assessment/Characterization

What is the shallowest depth to groundwater beneath the area affected by the release?  Did this release impact groundwater or surface water?  Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?  Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?  Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?  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?  Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?  Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?  Are the lateral extents of the release within 1000 feet of a wetland?  Are the lateral extents of the release within 300 feet of a wetland?  Are the lateral extents of the release within 300 feet of a wetland?  Are the lateral extents of the release overlying a subsurface mine?  Are the lateral extents of the release overlying an unstable area such as karst geology?  Are the lateral extents of the release within a 100-year floodplain?  Did the release impact areas not on an exploration, development, production, or storage site?  Whatch 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.	This information must be provided to the appropriate district office to taler than 20 adjust the release discovery date.	
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?  Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?  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?  Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?  Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?  Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?  Are the lateral extents of the release within 300 feet of a wetland?  Are the lateral extents of the release overlying a subsurface mine?  Are the lateral extents of the release overlying an unstable area such as karst geology?  Are the lateral extents of the release within a 100-year floodplain?  Did the release impact areas not on an exploration, development, production, or storage site?  Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil	What is the shallowest depth to groundwater beneath the area affected by the release?	unknown (ft bgs)
watercourse?  Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?  Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?  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?  Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?  Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?  Are the lateral extents of the release within 300 feet of a wetland?  Are the lateral extents of the release overlying a subsurface mine?  Are the lateral extents of the release overlying an unstable area such as karst geology?  Are the lateral extents of the release within a 100-year floodplain?  Did the release impact areas not on an exploration, development, production, or storage site?  Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil	Did this release impact groundwater or surface water?	☐ Yes ⊠ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?  Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?  Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?  Are the lateral extents of the release within 300 feet of a wetland?  Are the lateral extents of the release within 300 feet of a wetland?  Are the lateral extents of the release overlying a subsurface mine?  Are the lateral extents of the release overlying an unstable area such as karst geology?  Are the lateral extents of the release within a 100-year floodplain?  Did the release impact areas not on an exploration, development, production, or storage site?  No  Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil	·	☐ Yes ⊠ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?  Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?  Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?  Are the lateral extents of the release within 300 feet of a wetland?  Are the lateral extents of the release within 300 feet of a wetland?  Are the lateral extents of the release overlying a subsurface mine?  Are the lateral extents of the release overlying an unstable area such as karst geology?  Are the lateral extents of the release within a 100-year floodplain?  Did the release impact areas not on an exploration, development, production, or storage site?  Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil		☐ Yes ⊠ No
by less than five households for domestic or stock watering purposes?  Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?  Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?  Are the lateral extents of the release within 300 feet of a wetland?  Are the lateral extents of the release overlying a subsurface mine?  Are the lateral extents of the release overlying an unstable area such as karst geology?  Are the lateral extents of the release within a 100-year floodplain?  Did the release impact areas not on an exploration, development, production, or storage site?  Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil		☐ Yes ⊠ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?  Are the lateral extents of the release within 300 feet of a wetland?  Are the lateral extents of the release overlying a subsurface mine?  Are the lateral extents of the release overlying an unstable area such as karst geology?  Are the lateral extents of the release within a 100-year floodplain?  Did the release impact areas not on an exploration, development, production, or storage site?  Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil		☐ Yes ⊠ No
water well field?  Are the lateral extents of the release within 300 feet of a wetland?  Are the lateral extents of the release overlying a subsurface mine?  Are the lateral extents of the release overlying an unstable area such as karst geology?  Are the lateral extents of the release within a 100-year floodplain?  Did the release impact areas not on an exploration, development, production, or storage site?  Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil	Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No
Are the lateral extents of the release overlying a subsurface mine?  Are the lateral extents of the release overlying an unstable area such as karst geology?  Are the lateral extents of the release within a 100-year floodplain?  Did the release impact areas not on an exploration, development, production, or storage site?  Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil		☐ Yes ⊠ No
Are the lateral extents of the release overlying an unstable area such as karst geology?  Are the lateral extents of the release within a 100-year floodplain?  Did the release impact areas not on an exploration, development, production, or storage site?  Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil	Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No
Are the lateral extents of the release within a 100-year floodplain?  Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?  Yes  No  Yes  No  No  Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil	Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?  Yes No  Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil	Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil	Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No
	Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ⊠ No
	Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil

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

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.

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Incident ID
District RP
Facility ID

Application ID

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Remediation Plan Checklist: Each of the following items must be included in the plan.

Incident ID
District RP
Facility ID
Application ID

# **Remediation Plan**

<ul> <li>Detailed description of proposed remediation technique</li> <li>Scaled sitemap with GPS coordinates showing delineation points</li> <li>Estimated volume of material to be remediated</li> <li>Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC</li> <li>Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)</li> </ul>
Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
Extents of contamination must be fully delineated.
Contamination does not cause an imminent risk to human health, the environment, or groundwater.
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: Labelie Gladden Title: Director 4 Env + Reg.  Signature: Date: 3 13 22  email: Labelie Gerery Styling Ik. com Telephone: 575-3510- U397
OCD Only  Details 11 Property of the Control of the
Received by: Date:
Approved Approved with Attached Conditions of Approval Denied Deferral Approved
Signature: Date:

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

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

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

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

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

CONDITIONS

Action 125354

#### **CONDITIONS**

Operator:	OGRID:
TAP ROCK OPERATING, LLC	372043
523 Park Point Drive	Action Number:
Golden, CO 80401	125354
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By	Condition	Condition Date
jnobui	Remediation Plan Approved with Conditions. Variance request to install a liner at 4' is approved. Composite confirmation samples will be collected from the bottom and sidewalls of the excavation from areas representing no more than four hundred (400) square feet.	7/20/2022