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**CONTEST FEDERAL COM #211H  
CLOSE REQUEST**

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

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**DATE OF RELEASE: 10/04/2021  
INCIDENT NO. NAPP2127930986**

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**2/27/2023  
Prepared by:**



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

February 27, 2023

New Mexico Energy, Minerals & Natural Resources  
NMOCD District I  
C/O Mike Bratcher, Robert Hamlet, Jennifer Nobui & Jocelyn Harimon  
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: Closure 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, retained Energy Staffing Services (ESS) to conduct a spill assessment 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 7:12 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, and remedial activities, which demonstrates that the closure criteria has been established in the *19.15.29.12 New Mexico Administrative Code (NMAC: New Mexico Oil Conservation Division, 2018)* have been met and all applicable regulations have been followed. This document is intended to serve as the final report to obtain approval from the NMOCD for the closure of the above-mentioned release.

### **Incident Description**

On October 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), along with the initial site photos.

### **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 3,532 ft. 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 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 is 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 2016, 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 used the *OSE POD Location Mapping System* and it has been determined that, no well exists within a ½ 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 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 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	Method	Limit
≤ 50'	Chloride	EPA 300.0 OR SM4500 CLB	600 mg/kg
	TPH (GRO + DRO+ MRO)	EPA SW-846 METHOD 8015M	100 mg/kg
	GRO + DRO	EPA SW-846 METHOD 8015M	50 mg/kg
	BTEX	EPA SW-846 METHOD 8021B OR 8260B	10 mg/kg
	Benzene	EPA SW-846 METHOD 8021B OR 8260B	10 mg/kg

### Soil Remediation Action Levels

ESS has provided sufficient data that this release has impacted 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 sample procedures conducted by ESS Staff. We would like to present to you the following information concerning the delineation process for the release detailed herein.



## Soil Sampling Procedures

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

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

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

### Volatile Organics by EPA 8021B

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

### Nonhalogenated Organics by EPA 8015D – GRO

- Gasoline Range Organics (C6-C10)

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

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

### Anions by EPA 300.0/9056A

- Chloride

## Release Investigation Data Evaluation

On October 4th of 2021, ESS arrived on site, set the delineation sample points, GPS'd each sample point and began to obtain surface samples. Each surface sample was field tested, logged, then submitted to Envirotech Laboratory for confirmation. A total of 17 vertical sample points were placed, and GPS Points were set and mapped along with 17 horizontal sidewalls. Each sample point was then sampled by use of hand auger and track-hoe in 1' and 2' intervals. Bottom hole samples were then submitted to the lab for confirmation. Please see the delineation sample data below, with lab data indicated in yellow. Attached to this report you will find the sample data, delineation sample map and lab analysis.

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
SP1	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							
	7'	>4000							
	9'	3520'							
	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							
	6'	>4000							
	7'	>4000							
	8'	>4000							
	9'	>4000							
	10'	>4000							
	11'	>4000							
	13'	>4000							
	15'	>4000							
	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							
	6'	>4000							
	7'	>4000							
	8'	>4000							
	9'	>4000							
	10'	>4000							
	11'	>4000							

	12'	>4000							
	13'	>4000							
	15'	>4000							
	17'	>4000							
	19'	2240							
	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							

SP6	SURFACE	>4000		ND	ND	164	151	315	19400
	1'	>4000							
	2'	>4000							
	3'	>4000							
	4'	>4000							
	5'	>4000							
	6'	>4000							
	7'	>4000							
	8'	>4000							
	9'	>4000							
	10'	>4000							
	11'	>4000							
	13'	>4000							
	15'	>4000							
	17'	>4000							
	19'	1280							
	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							
	6'	>4000							

	7'	>4000							
	8'	>4000							
	9'	>4000							
	10'	>4000							
	11'	>4000							
	13'	1600							
	15'	880							
	17'	160							
	19	160		ND	ND	ND	ND	ND	68.3

SP8	SURFACE	>4000		ND	ND	ND	ND	ND	12600
	1'	560							
	2'	480							
	3'	400							

SP9	SURFACE	>4000		ND	ND	ND	ND	ND	5140
	1'	2000							
	2'	400							
	3'	320							

SP10	SURFACE	>4000		ND	ND	ND	ND	ND	12900
	1'	960							
	2'	480							
	3'	400							

SP11	SURFACE	>4000		ND	ND	ND	ND	ND	7320
	1'	960							
	2'	3200							
	3'	>4000							
	4'	400							
	5'	400							

SP12	SURFACE	>4000		ND	ND	67.5	64.7	132.2	45000
	1'	4000							
	2'	>4000							
	3'	>4000							
	4'	>4000							
	5'	>4000							
	6'	3520							
	7'	>4000							
	8'	>4000							



	9'	>4000							
	10'	>4000							
	11'	>4000							
	12'	>4000							
	14'	2080							
	16'	1120							
	18'	720							
	20'	480							
	22'	160		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							
	6'	>4000							
	7'	>4000							
	8'	>4000							
	9'	>4000							
	10'	>4000							
	12'	2480							
	14'	1920							
	16'	1280							
	18'	880							
	20'	480							
	22'	240		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							
	6'	>4000							
	7'	>4000							
	8'	>4000							
	9'	>4000							
	11'	1920							
	13'	1200							
	15'	720							

	17'	400							
	19'	160		ND	ND	ND	ND	ND	ND

SP15	SURFACE	480		ND	ND	ND	ND	ND	ND
	1'	480							
	2'	400							
	3'	400							

SP16	SURFACE	400		ND	ND	ND	ND	ND	60.3
	1'	4000							
	2'	1280							
	3'	1280							
	5'	720							
	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							
	6'	1840							
	7'	1200							
	8'	560							
	9'	400							

SW1	SURFACE	320		ND	ND	ND	ND	ND	3500
	1'	3280							
	2'	640							
	3'	480							
	4'	800							
	5'	560							
	6'	320		ND	ND	ND	ND	ND	32.4

SW2	SURFACE	400		ND	ND	ND	ND	ND	90.3
	1'	400							
	2'	320		ND	ND	ND	ND	ND	ND

SW3	SURFACE	240		ND	ND	ND	ND	ND	20.5
	1'	400							

	2'	400		ND	ND	ND	ND	ND	ND
SW4	SURFACE	400		ND	ND	ND	ND	ND	148
	1'	360							
	2'	360		ND	ND	ND	ND	ND	ND
SW5	SURFACE	160		ND	ND	ND	ND	ND	ND
	1'	320							
	2'	320		ND	ND	ND	ND	ND	ND
SW6	SURFACE	>4000		ND	ND	ND	ND	ND	5820
	1'	360							
	2'	360		ND	ND	ND	ND	ND	ND
SW7	SURFACE	240		ND	ND	ND	ND	ND	ND
	1'	320							
	2'	320		ND	ND	ND	ND	ND	
SW8	SURFACE	640		ND	ND	ND	ND	ND	500
	1'	400							
	2'	560		ND	ND	ND	ND	ND	ND
SW9	SURF	1280		ND	ND	ND	ND	ND	2340
	1'	240							
	2'	240		ND	ND	ND	ND	ND	ND
SW10	SURF	2960		ND	ND	ND	ND	ND	3750
	1'	240							
	2	160		ND	ND	ND	ND	ND	ND
SW11	SURF	160		ND	ND	ND	ND	ND	430
	1'	80							
	2'	80		ND	ND	ND	ND	ND	ND
SW12	SURF	>4000		ND	ND	ND	ND	ND	16100
	1'	>4000							
	2'	>4000							
	3'	480							
	4'	160		ND	ND	ND	ND	ND	22.7
SW13	SURF	240		ND	ND	ND	ND	ND	29.7



	1'	240							
	2'	240		ND	ND	ND	ND	ND	ND
SW14	SURF	240		ND	ND	ND	ND	ND	ND
	1'	240							
	2'	240		ND	ND	ND	ND	ND	ND
SW15	SURF	800		ND	ND	ND	ND	ND	705
	1'	400							
	2'	240		ND	ND	ND	ND	ND	ND
SW16	SURF	>4000		ND	ND	ND	ND	ND	6200
	1'	1280							
	2'	240							
	3'	160		ND	ND	ND	ND	ND	20.9
SW17	SURF	>4000		ND	ND	ND	ND	ND	13000
	1'	3200							
	2'	400							
	3'	240		ND	ND	ND	ND	ND	63.1

Please see the delineation photos attached herein.

### 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 period to March 17<sup>th</sup>.

## Remediation Workplan Request and Approval

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 horizontal and vertical migration of contaminants. This indicates that the line was leaking for an extended period of 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. Tap Rock and ESS requested 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.

The remediation workplan was submitted on July 12<sup>th</sup>, 2022 and was approved on July 20<sup>th</sup>, 2022. Please find the remediation workplan attached herein.

On August 23<sup>rd</sup> of 2022, ESS submitted the composite notification to the OCD by email at 7:38am. Composite sampling began on August 25<sup>th</sup>. A total of 17, 500 sq. ft. composites were

obtained from the excavation area, all at 4' bgs with a total of 17 sidewall composites. Composites were field tested and submitted to Envirotech Laboratories for confirmation.

Please find the composite sample data below as well as attached to this report followed by lab confirmation data and composite map.

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
COMP 1	4'	500	L	ND	ND	ND	ND	ND	477
COMP 2	4'	3000	L	ND	ND	ND	ND	ND	2990
COMP 3	4'	4080	L	ND	ND	ND	ND	ND	4210
COMP 4	4'	5200	L	ND	ND	ND	ND	ND	5300
COMP 5	4'	200	L	ND	ND	ND	ND	ND	191
COMP 6	4'	4000	L	ND	ND	ND	ND	ND	3840
COMP 7	4'	5010	L	ND	ND	ND	ND	ND	5120
COMP 8	4'	400	L	ND	ND	ND	ND	ND	395
COMP 9	4'	80	L	ND	ND	ND	ND	ND	62.7
COMP 10	4'	600	L	ND	ND	ND	ND	ND	598
COMP 11	4'	540	L	ND	ND	ND	ND	ND	506
COMP 12	4'	6700	L	ND	ND	ND	ND	ND	6640
COMP 13	4'	1520	L	ND	ND	ND	ND	ND	1490
COMP 14	4'	3080	L	ND	ND	ND	ND	ND	3120
COMP 15	4'	500	L	ND	ND	ND	ND	ND	459
COMP 16	4'	1000	L	ND	ND	ND	ND	ND	1010
COMP 17	4'	7420	L	ND	ND	ND	ND	ND	7380
SWC 1		1160	L	ND	ND	ND	ND	ND	1110
SWC 2		350	L	ND	ND	ND	ND	ND	310
SWC 3		1000	L	ND	ND	ND	ND	ND	980
SWC 4		200	L	ND	ND	ND	ND	ND	192
SWC 5		200	L	ND	ND	ND	ND	ND	198
SWC 6		240	L	ND	ND	ND	ND	ND	229
SWC 7		260	L	ND	ND	ND	ND	ND	246
SWC 8		500	L	ND	ND	ND	ND	ND	493
SWC 9		120	L	ND	ND	ND	ND	ND	121
SWC 10		40	L	ND	ND	ND	ND	ND	34.2
SWC 11		20	L	ND	ND	ND	ND	ND	ND
SWC 12		20	L	ND	ND	ND	ND	ND	24.8
SWC 13		120	L	ND	ND	ND	ND	ND	111
SWC 14		ND	L	ND	ND	ND	ND	ND	ND
SWC 16		40	L	ND	ND	ND	ND	ND	43.7
SWC 17		120	L	ND	ND	ND	ND	ND	105

A total of 1,036 cubic yards of topsoil was purchased from Tap Rock NM10 pit, was brought in to backfill the site and stockpiled on location. The delineated site was prepped with a polyurethane liner, the liner was tucked and sealed. The backfill material was staged on the production pad of the Contest Facility Pad and then transferred to the pasture area where backfilling of the impacted site occurred. The impacted site was seeded to ensure proper vegetation.

Please find the remediation, liner installation and final photos attached herein.

### Closure Request

On behalf of Tap Rock, ESS request that the incident (NAPP2127930986), be closed for the release that occurred in the pasture of the Contest Federal Com #211H. Tap Rock and ESS certifies that all of the information provided and that is detailed in this report is true and correct. We have also complied with all of the applicable closure requirements for the release that occurred on the Contest site.

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

Sincerely,



**Natalie Gladden**

**Director of Environmental and Regulatory Services**

**Energy Staffing Services, LLC.**

**2724 NW County Road**

**Hobbs, NM 88240**

**Cell: 575-390-6397**

**Office: 575-393-9048**

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



## **Attachments**

Spill Notification  
Initial C141 and Spill Calculator Form  
NMOCD C141 Approval Email  
Arch Survey Email  
Impact Map  
Initial Site Photos  
Site Map  
Rangeland and Vegetation Classification  
Soil Map  
FEMA National Flood Hazard Layer Map  
Karst Geology Map  
Surface Water Map  
Groundwater Information  
Groundwater Map  
OSE POD Map  
Delineation Sample Data  
Delineation Sample Map  
Delineation Sample GPS Log  
Delineation Site Photos  
Extension Emails  
Excavation Site Map  
Excavation Site Photos  
Work-Plan Denial Email  
Work-Plan C141  
Work-Plan with Condition of Approval  
Composite Email Notification  
Composite Sample Data and GPS Log  
Composite Map  
Lab Analysis (including delineation)  
Remediation, Liner Installation and Final Photos  
Final C141

## Natalie Gladden

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





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

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party <b>Tap Rock Operating</b>	OGRID <b>372043</b>
Contact Name <b>Christian Combs</b>	Contact Telephone <b>(720) 360-4028</b>
Contact email <b>ccombs@taprk.com</b>	Incident # <i>(assigned by OCD)</i>
Contact mailing address <b>523 Park Point Dr. #200</b>	

### Location of Release Source

Latitude **32.226089**Longitude **-103.468278***(NAD 83 in decimal degrees to 5 decimal places)*

Site Name <b>Contest Federal Com #211H</b>	Site Type <b>Production</b>
Date Release Discovered <b>10/4/2020</b>	API# <i>(if applicable)</i> <b>30-025-46678</b>

Unit Letter	Section	Township	Range	County
<b>P</b>	<b>9</b>	<b>24S</b>	<b>34E</b>	<b>Lea</b>

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

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) <b>36.47</b>	Volume Recovered (bbls) <b>0</b>
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

#### Cause of Release

**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.**



State of New Mexico  
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

☒ Yes ☐ No

If YES, for what reason(s) does the responsible party consider this a major release?  
**Over 25bbbls released**

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?  
**Reported by Natalie Gladden w/ESS by email on 10/6/21. Email was sent to the BLM and OCD.**

### Initial Response

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

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

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

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

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

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

Signature:  Date: 10/6/21

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

#### OCD Only

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

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

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

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

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

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

Cubic Feet = L x W x D

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

## Natalie Gladden

---

**From:** OCDOnline@state.nm.us  
**Sent:** Wednesday, October 6, 2021 11:57 AM  
**To:** natalie@energystaffingllc.com  
**Subject:** The Oil Conservation Division (OCD) has approved the application, Application ID: 54350

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

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2127930986, with the following conditions:

- **None**

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

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

Thank you,  
Ramona Marcus  
Program Coordinator I  
505-470-3044  
Ramona.Marcus@state.nm.us

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

**Natalie Gladden**

---

**From:** Morgan, Crisha A <camorgan@blm.gov>  
**Sent:** Wednesday, March 2, 2022 9:46 AM  
**To:** Natalie Gladden  
**Subject:** Re: [EXTERNAL] Tap Rock - Contest Federal Com #211H Release Notification

This area is free of arch. This is on private surface with federal minerals. You can begin clean up for this release. Please let me know if you need anything else.

Thank you,

**Crisha A. Morgan** | Certified - Environmental Protection Specialist | Program Officer | COR | Spills Coordinator | Orphaned Well POC Lead  
Bureau of Land Management | Carlsbad Field Office  
620 E. Greene Street Carlsbad, NM 88220  
Cell 575-200-8648 | Office 575-234-5987 | [camorgan@blm.gov](mailto:camorgan@blm.gov)



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**From:** Natalie Gladden <natalie@energystaffingllc.com>  
**Sent:** Monday, February 28, 2022 3:10 PM  
**To:** Morgan, Crisha A <camorgan@blm.gov>  
**Subject:** FW: [EXTERNAL] Tap Rock - Contest Federal Com #211H Release Notification

*Natalie Gladden*  
**Director of Environmental and Regulatory Services**  
**Energy Staffing Services, LLC.**  
2724 NW County Road  
Hobbs, NM 88240  
Cell: 575-390-6397  
Office: 575-393-9048  
Email: [natalie@energystaffingllc.com](mailto:natalie@energystaffingllc.com)



**From:** natalie@energystaffingllc.com <natalie@energystaffingllc.com>  
**Sent:** Thursday, October 14, 2021 8:48 AM  
**To:** 'CFO\_Spill, BLM\_NM' <BLM\_NM\_CFO\_Spill@blm.gov>  
**Subject:** RE: [EXTERNAL] Tap Rock - Contest Federal Com #211H Release Notification

*Natalie Gladden*

**Director of Environmental and Regulatory Services**

**Energy Staffing Services, LLC.**

**#7 Compress Rd**

**Artesia, NM 88210**

**Cell: 575-390-6397**

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



**From:** CFO\_Spill, BLM\_NM <[BLM\\_NM\\_CFO\\_Spill@blm.gov](mailto:BLM_NM_CFO_Spill@blm.gov)>  
**Sent:** Wednesday, October 6, 2021 7:16 AM  
**To:** [natalie@energystaffingllc.com](mailto:natalie@energystaffingllc.com)  
**Subject:** Re: [EXTERNAL] Tap Rock - Contest Federal Com #211H Release Notification

Natalie,

Can you send over a kmz file including the outline of the release, so I can get an arch clearance before remediation efforts begin....

**Crisha A. Morgan** | Certified - Environmental Protection Specialist | Program Officer | COR | Spills Coordinator | Orphaned Well POC Lead  
Bureau of Land Management | Carlsbad Field Office  
620 E. Greene Street Carlsbad, NM 88220  
Cell 575-200-8648 | Office 575-234-5987 | [camorgan@blm.gov](mailto:camorgan@blm.gov)



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**From:** [natalie@energystaffingllc.com](mailto:natalie@energystaffingllc.com) <[natalie@energystaffingllc.com](mailto:natalie@energystaffingllc.com)>  
**Sent:** Wednesday, October 6, 2021 7:12 AM

To: 'ocdonline, emnrd, EMNRD' <[EMNRD.OCDOnline@state.nm.us](mailto:EMNRD.OCDOnline@state.nm.us)>; CFO\_Spill, BLM\_NM  
<[BLM\\_NM\\_CFO\\_Spill@blm.gov](mailto:BLM_NM_CFO_Spill@blm.gov)>; Bratcher, Mike, EMNRD <[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)>; [robert.hamlet@state.nm.us](mailto:robert.hamlet@state.nm.us)  
<[robert.hamlet@state.nm.us](mailto:robert.hamlet@state.nm.us)>; 'Hensley, Chad, EMNRD' <[Chad.Hensley@state.nm.us](mailto:Chad.Hensley@state.nm.us)>; Amos, James A  
<[jamos@blm.gov](mailto:jamos@blm.gov)>  
Cc: 'Christian Combs' <[ccombs@taprk.com](mailto:ccombs@taprk.com)>  
Subject: [EXTERNAL] Tap Rock - Contest Federal Com #211H Release Notification

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

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




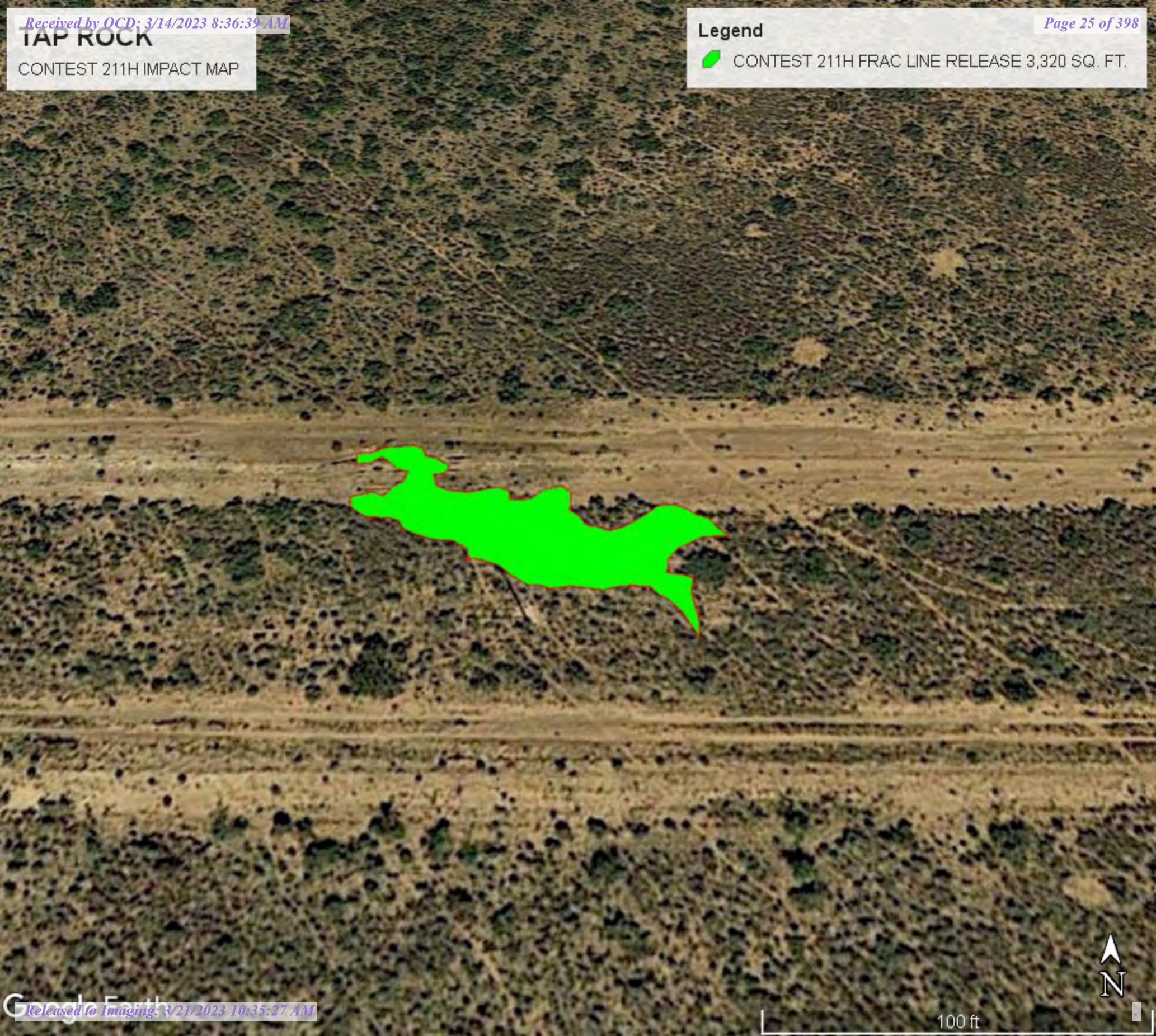


# TAP ROCK

CONTEST 211H IMPACT MAP

## Legend

 CONTEST 211H FRAC LINE RELEASE 3,320 SQ. FT.

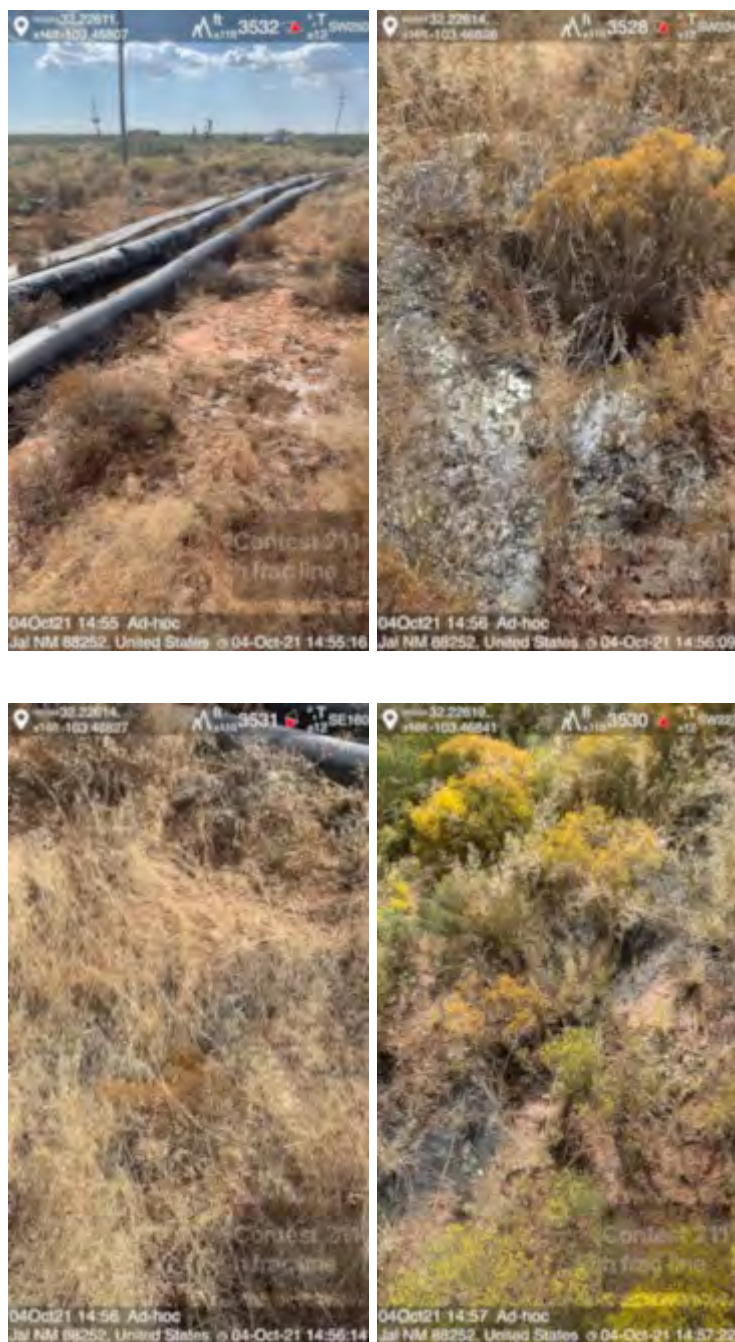




## TAP ROCK RESOURCES CONTEST 211H FRAC LINE

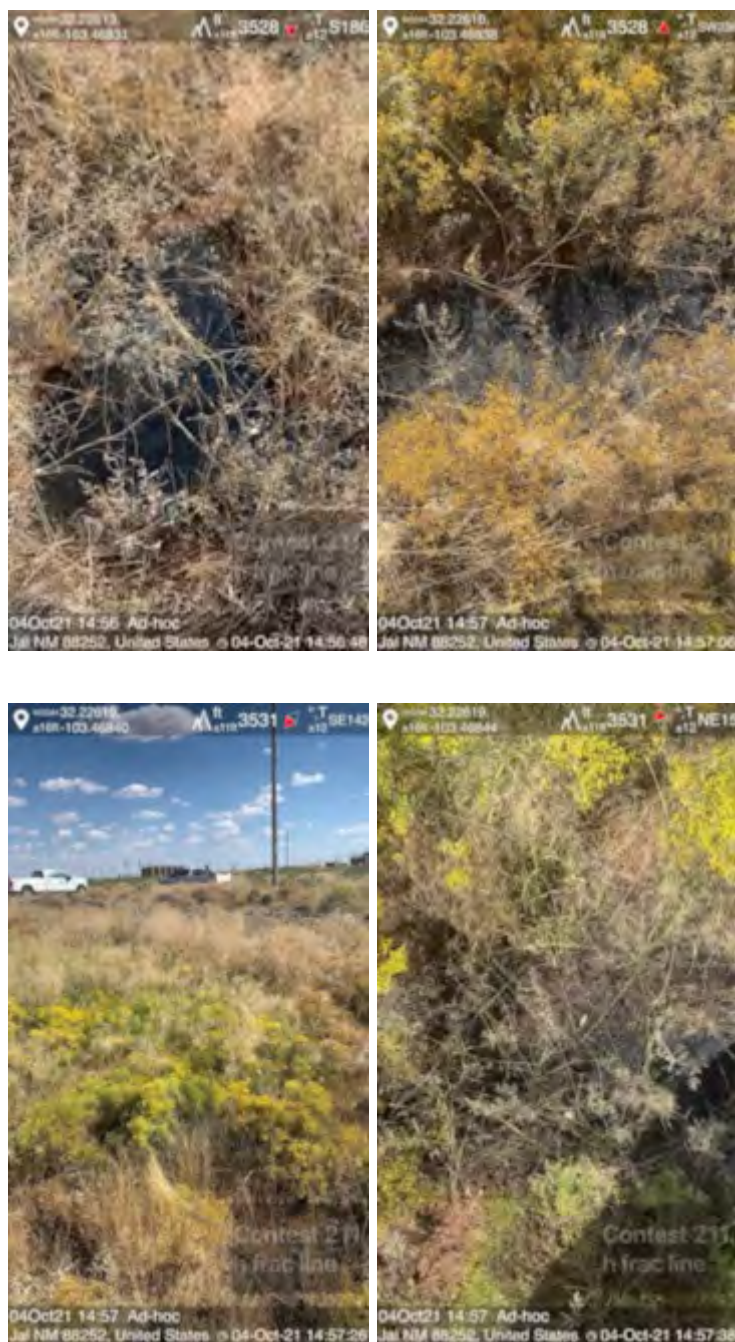
















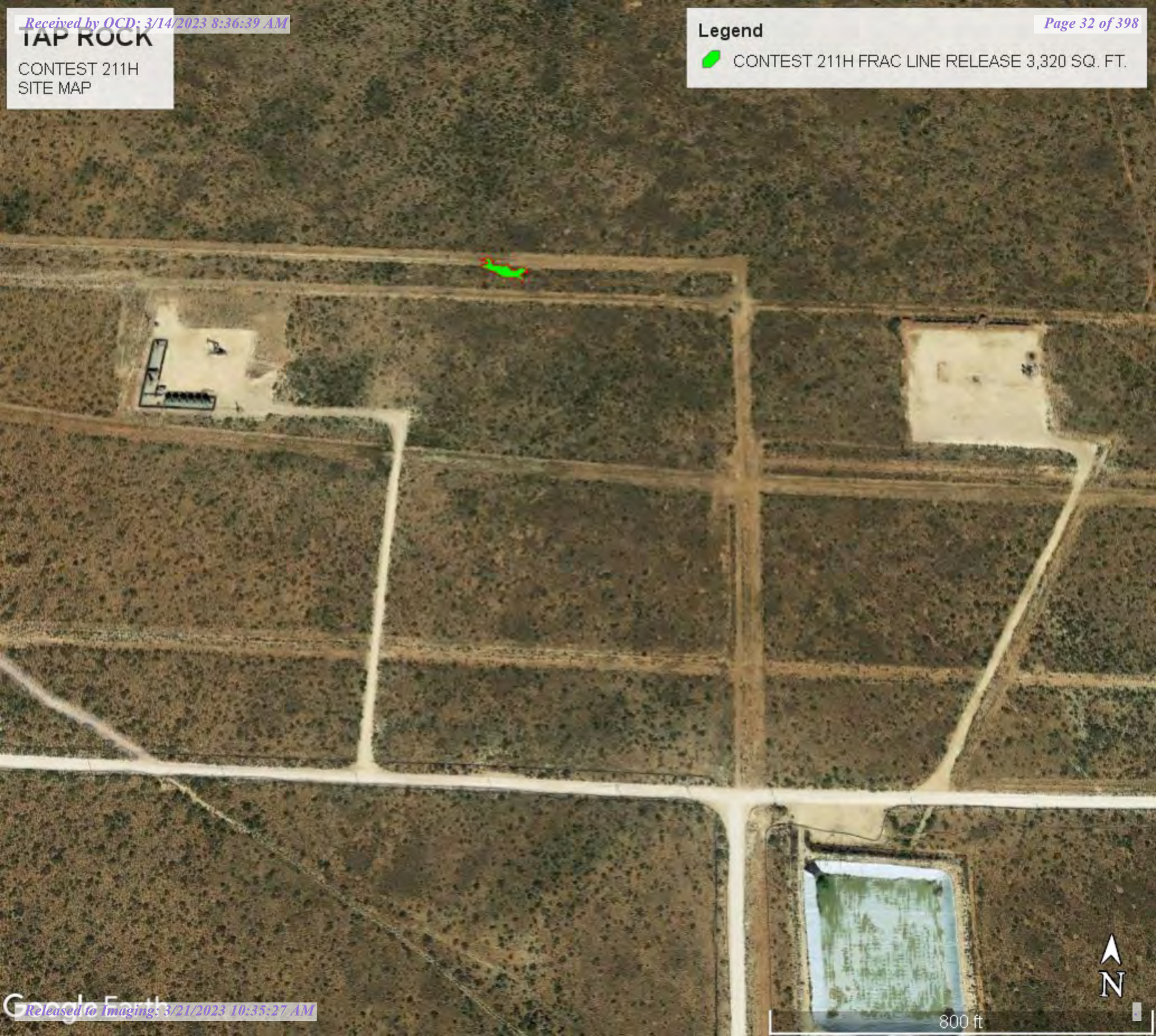
# TAP ROCK

CONTEST 211H  
SITE MAP

## Legend



CONTEST 211H FRAC LINE RELEASE 3,320 SQ. FT.





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

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

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

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

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

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

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

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

Reference:

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

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



**Natural Resources  
Conservation Service**

Web Soil Survey  
National Cooperative Soil Survey

2/28/2022  
Page 3 of 5

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

Contest Fed Com #211H

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



Natural Resources  
Conservation Service

Web Soil Survey  
National Cooperative Soil Survey

2/28/2022  
Page 4 of 5



## Data Source Information

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

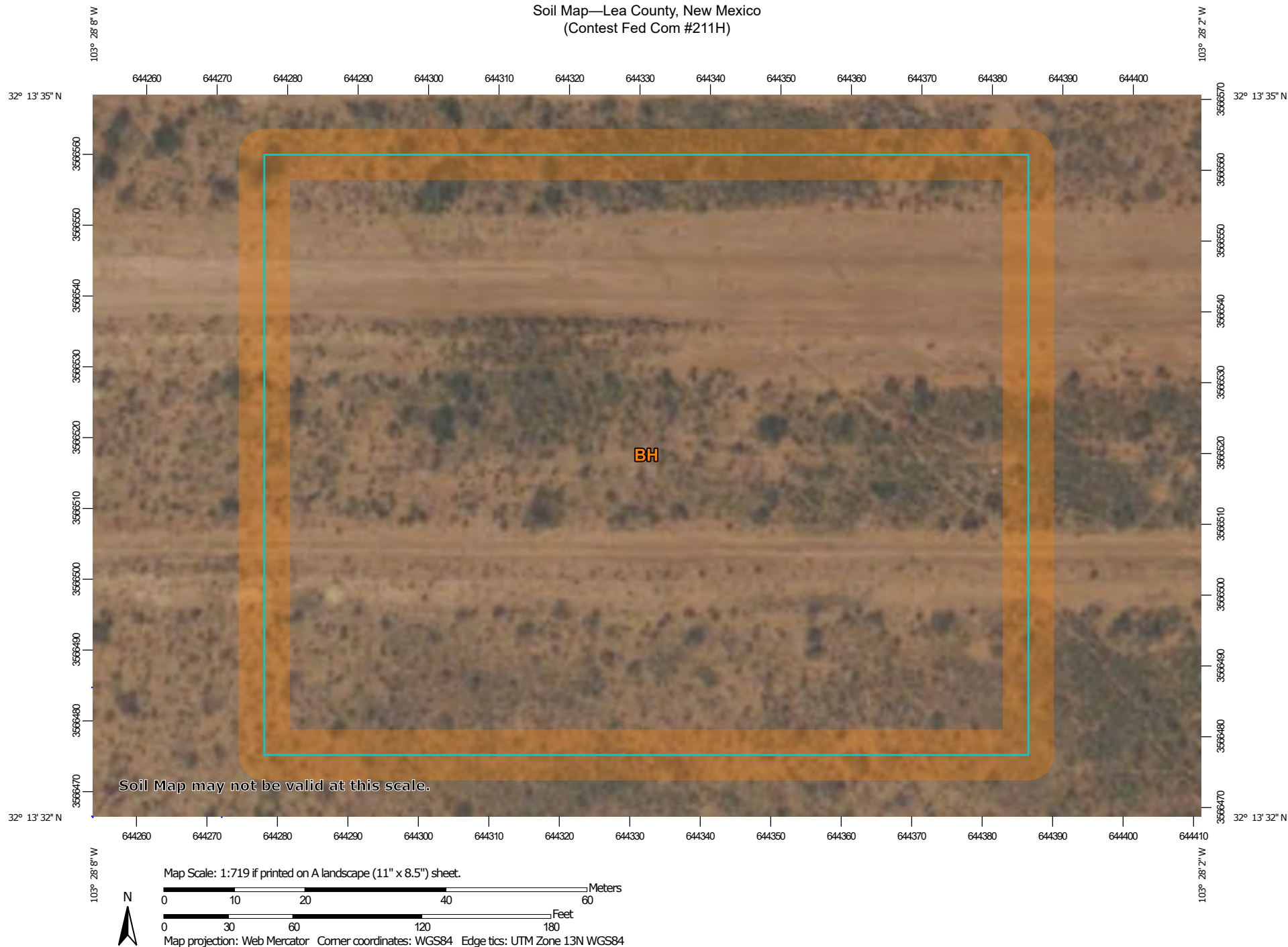


**Natural Resources  
Conservation Service**

Web Soil Survey  
National Cooperative Soil Survey

2/28/2022  
Page 5 of 5

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



Natural Resources  
Conservation Service


Web Soil Survey  
National Cooperative Soil Survey

2/28/2022  
Page 1 of 3

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



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

### Water Features



Streams and Canals

### Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

### Background



Aerial Photography

## MAP INFORMATION

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

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

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

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

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 18, Sep 10, 2021

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

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

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

## Map Unit Legend

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





# National Flood Hazard Layer FIRMMette



103°28'25"W 32°13'49"N



### Legend

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

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

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

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

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





# TAP ROCK


CONTEST 211H KARST MAP

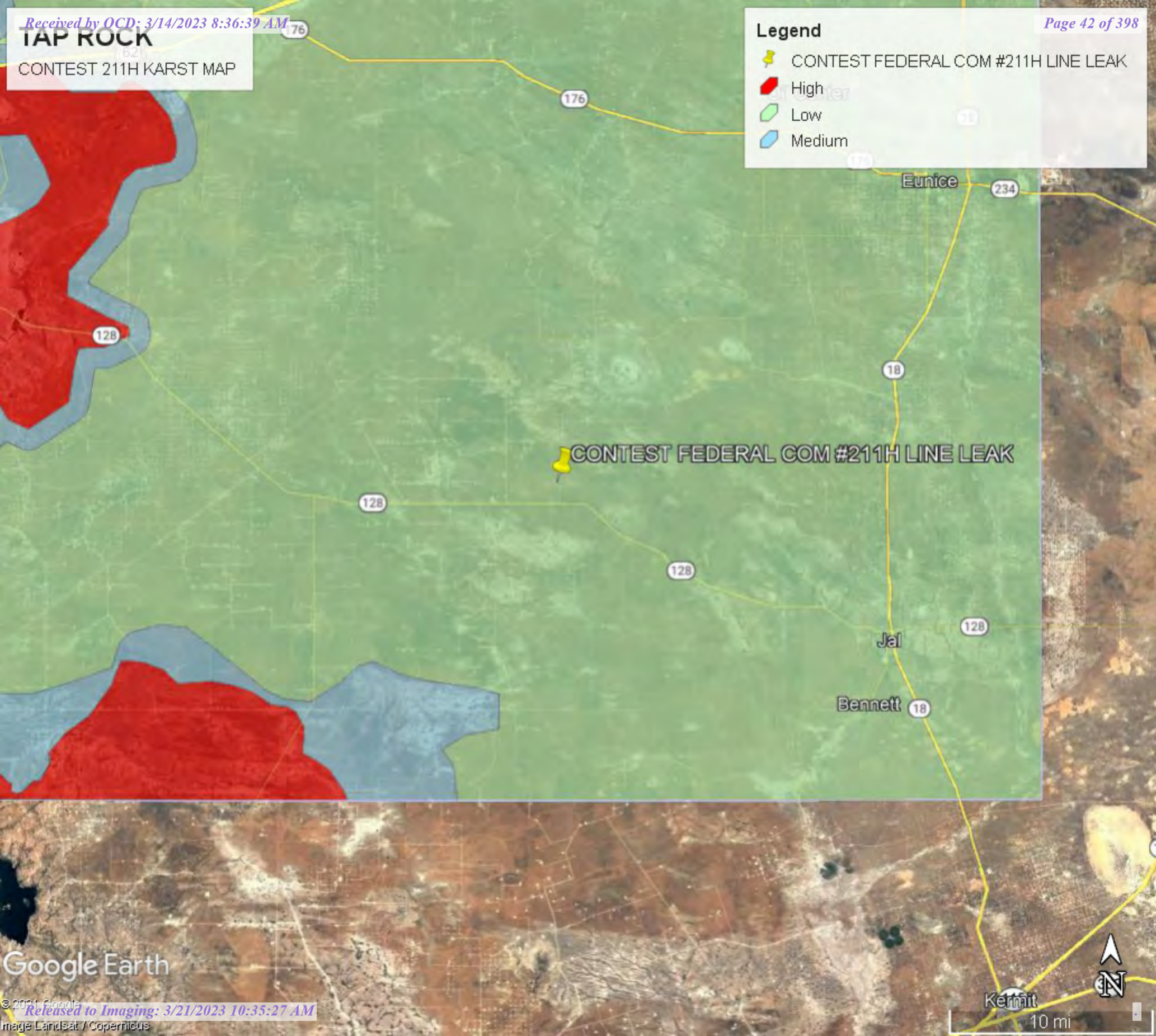
Legend

 CONTEST FEDERAL COM #211H LINE LEAK

 High

 Low

 Medium




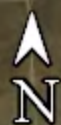
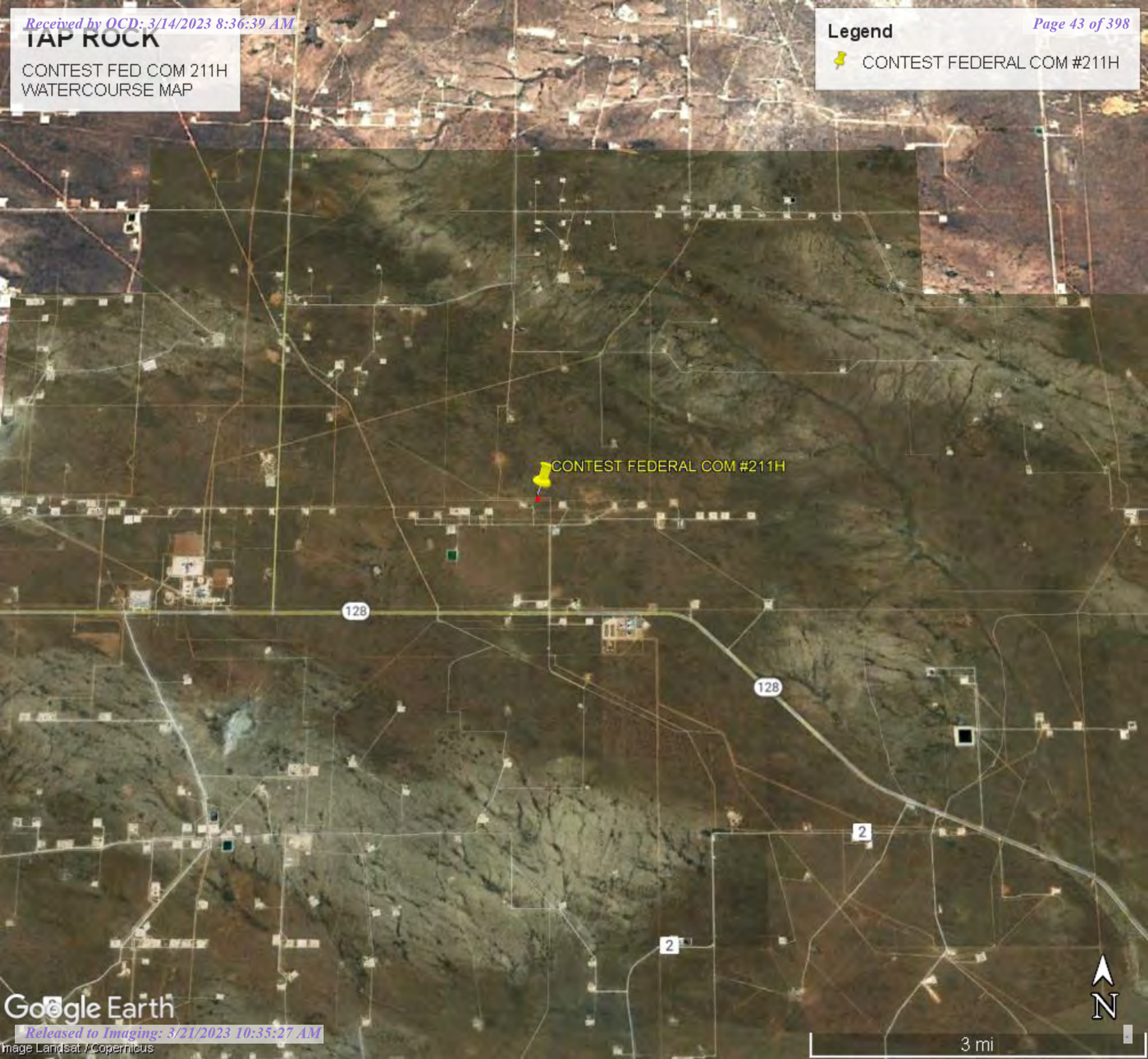


# TAP ROCK

CONTEST FED COM 211H  
WATERCOURSE MAP

## Legend

 CONTEST FEDERAL COM #211H







## 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  
water right)

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(in feet)

POD Number	Code	POD Subbasin	County	Source	q 64	q 16	q 4	Sec	Tws	Rng	X	Y	Distance	Start Date	Finish Date	Log File Date	Depth Well	Depth Water	Driller	License Number	
<a href="#">C 03932 POD13</a>		CUB	LE		4	2	3	15	24S	34E	645314	3565203	<input type="checkbox"/>	1647	02/10/2016	02/11/2016	03/01/2016	90		LEE PETERSON	1222
<a href="#">C 03943 POD1</a>		CUB	LE	Shallow	2	4	2	21	24S	34E	644523	3564266	<input type="checkbox"/>	2266	04/21/2016	04/24/2016	04/25/2016	610	431	JUSTIN MULLINS	1737
<a href="#">C 03932 POD3</a>		CUB	LE		4	3	2	05	24S	34E	642442	3568787	<input type="checkbox"/>	2947	02/09/2016	02/10/2016	03/01/2016	100		LEE PETERSON	1222
<a href="#">C 03932 POD8</a>		CUB	LE		4	2	4	07	24S	34E	641120	3566769	<input type="checkbox"/>	3219	02/08/2016	02/09/2016	03/01/2016	72		LEE PETERSON	1222
<a href="#">C 04458 POD1</a>		CUB	LE		4	1	1	20	24S	34E	641549	3564532	<input type="checkbox"/>	3421	08/03/2020	08/03/2020	08/20/2020		0	ATKINS, JACKIE D.UELENER	1249
<a href="#">C 04282 POD1</a>		C	LE	Shallow	1	2	1	05	24S	34E	641662	3569541	<input type="checkbox"/>	4027	11/19/2018	11/23/2018	03/27/2020	574	390	GLASSPOOLE, KRISTOPHER L.NER	1641
<a href="#">C 03620 POD1</a>		CUB	LE	Shallow	1	4	3	32	23S	34E	641790	3569941	<input type="checkbox"/>	4257	04/10/2013	04/29/2013	06/18/2013	480	130	NORRIS, JOHN D. (LD)	1682
<a href="#">C 04014 POD1</a>		CUB	LE	Shallow	1	1	3	06	24S	34E	639811	3568638	<input type="checkbox"/>	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.

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
WELLS WITH WELL LOG INFORMATION



# New Mexico Office of the State Engineer

## Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)  
 (quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	03932 POD13	4	2	3	15	24S	34E	645314	3565203 

**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:**

**Estimated Yield:**

**Casing Size:**

**Depth Well:** 90 feet

**Depth Water:**

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Page 1 of 1


POD SUMMARY - C 03932 POD13



# New Mexico Office of the State Engineer

## Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)  
 (quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	03943 POD1	2	4	2	21	24S	34E	644523	3564266 

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

**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
-----	-----

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.

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Page 1 of 1

POD SUMMARY - C 03943 POD1






# New Mexico Office of the State Engineer

## Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)  
 (quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	03932 POD3	4	3	2	05	24S	34E	642442	3568787 

**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:**

**Pipe Discharge Size:**

**Estimated Yield:**

**Casing Size:**

**Depth Well:** 100 feet

**Depth Water:**

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

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Page 1 of 1


POD SUMMARY - C 03932 POD3



# New Mexico Office of the State Engineer

## Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)  
 (quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	03932 POD8	4	2	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:**

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

**PCW Rcv Date:**

**Source:**

**Pump Type:**

**Pipe Discharge Size:**

**Estimated Yield:**

**Casing Size:**

**Depth Well:** 72 feet

**Depth Water:**

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

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
Page 1 of 1


POD SUMMARY - C 03932 POD8


# TAP ROCK


CONTEST 211H GROUND WATER MAP


## Legend


-  C03932 POD12 - 1647' FROM SITE NO GW DATA
-  C03932 POD3 - 2947' FROM SITE NO GW DATA
-  C03932 POD8 - 3219' FROM SITE - NO GW DATA
-  C03943 POD1 - 2266' FROM SITE 431' DGW
-  CONTEST FEDERAL COM #211H LINE LEAK

C03932 POD3 - 2947' FROM SITE NO GW DATA 

 C03932 POD8 - 3219' FROM SITE - NO GW DATA

 CONTEST FEDERAL COM #211H LINE LEAK

C03932 POD12 - 1647' FROM SITE NO GW DATA 

 C03943 POD1 - 2266' FROM SITE 431' DGW

Delaware Basin

12821

128

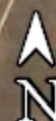
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Google Earth

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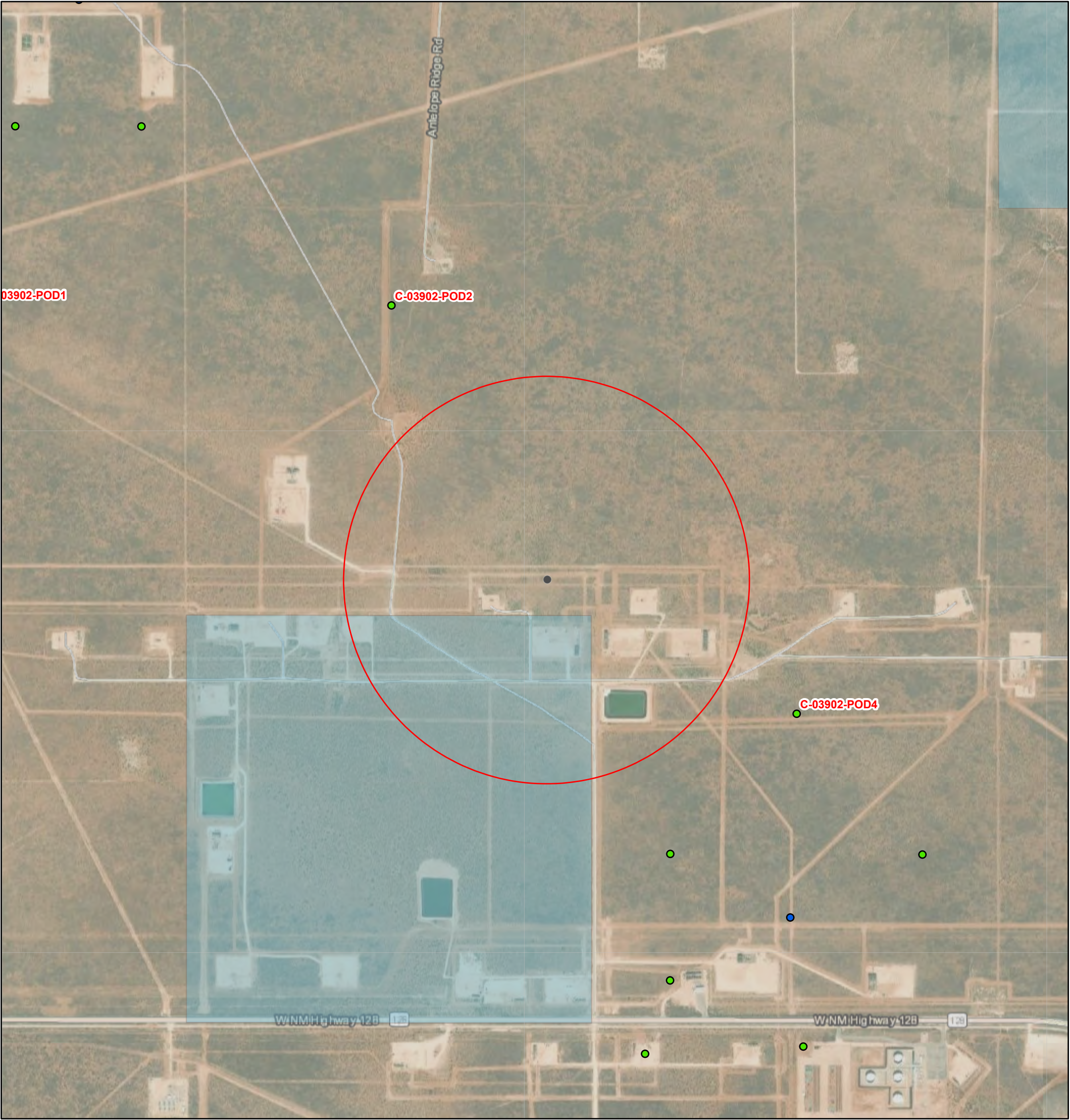
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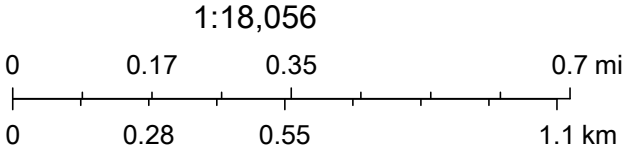
OSE PUBLIC PRINT



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



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									
	26'	3000									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		
SW13	SURF	40		ND	ND	ND	ND	ND	29.7		
	1'	40									
	2'	ND		ND	ND	ND	ND	ND	ND		
SW14	SURF	40		ND	ND	ND	ND	ND	ND		
	1'	40									
	2'	ND		ND	ND	ND	ND	ND	ND		

[illegible]

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# TAP ROCK

CONTEST #211  
DELINEATION SAMPLE MAP

## Legend

- CONTEST 211H FRAC LINE RELEASE 3,320 SQ. FT.
- CONTEST FEDERAL COM #211H





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

CONTEST DELINEATION PHOTOS























## Natalie Gladden

---

**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**

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



**Natalie Gladden**

---

**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](mailto: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

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**

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



**Natalie Gladden**

---

**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](mailto: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,



*Natalie Gladden*

**Director of Environmental and Regulatory Services**

**Energy Staffing Services, LLC.**

**2724 NW County Road**

**Hobbs, NM 88240**

**Cell: 575-390-6397**

**Office: 575-393-9048**

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



**From:** Hamlet, Robert, EMNRD <[Robert.Hamlet@state.nm.us](mailto:Robert.Hamlet@state.nm.us)>

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

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

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

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



**From:** [natalie@energystaffingllc.com](mailto:natalie@energystaffingllc.com) <[natalie@energystaffingllc.com](mailto:natalie@energystaffingllc.com)>

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

**To:** ocdonline, emnrd, EMNRD <[EMNRD.OCDOnline@state.nm.us](mailto:EMNRD.OCDOnline@state.nm.us)>; Hensley, Chad, EMNRD <[Chad.Hensley@state.nm.us](mailto:Chad.Hensley@state.nm.us)>; Bratcher, Mike, EMNRD <[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)>; Hamlet, Robert, EMNRD <[Robert.Hamlet@state.nm.us](mailto:Robert.Hamlet@state.nm.us)>

**Cc:** 'Bill Ramsey' <[Bramsey@taprk.com](mailto:Bramsey@taprk.com)>; 'Christian Combs' <[ccombs@taprk.com](mailto: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**

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



## Natalie Gladden

---

**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**

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



**Natalie Gladden**

---

**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](mailto: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**

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









# TAP ROCK

CONTEST #211  
EXCAVATION MAP

## Legend

-  CONTEST 211H FRAC LINE RELEASE 3,320 SQ. FT.
-  CONTEST FEDERAL COM #211H
-  EXCAVATION MAP - CONTEST 8,301 SQ. FT.

 CONTEST FEDERAL COM #211H





# 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



Incident ID	
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>unknown</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

### **Characterization Report Checklist:** *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

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

State of New Mexico  
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: NATALIE GLADDEN Title: DIRECTOR OF ENVIRONMENTAL AND REGULATORY

Signature:  Date: 3/13/22

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

**OCD Only**

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

Incident ID	
District RP	
Facility ID	
Application ID	

## Remediation Plan

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

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**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: Natalie Gladden Title: Director of Env + Reg.  
Signature: Natalie Gladden Date: 3/13/22  
email: natalie@energyshippingllc.com Telephone: 575-390-0397

**OCD Only**

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

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_



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**CONTEST FEDERAL COM #211H  
REMEDiation WORKPLAN REQUEST**

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**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:**



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



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

### Soil Remediation Action Levels

ESS has provided sufficient data that this release has impacted 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 contaminants, 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	5'	>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	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND
SP17B	5'	>4000	ND	ND	ND	ND	ND	ND	9070
SP17	9'	400	ND	ND	ND	ND	ND	ND	ND

\*\* 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	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	>4000	ND	ND	ND	ND	ND	ND	13000
SW17	3'	60	ND	ND	ND	ND	ND	ND	63.1

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 horizontal and vertical migration of contaminants. 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,



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



State of New Mexico  
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

**Site Assessment/Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>unknown</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

**Characterization Report Checklist:** *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

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



State of New Mexico  
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: NATALIE GLADDEN Title: DIRECTOR OF ENVIRONMENTAL AND REGULATORY

Signature:  Date: 3/13/22

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

**OCD Only**

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

Incident ID	
District RP	
Facility ID	
Application ID	

## Remediation Plan

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

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**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: Natalie Gladden Title: Director of Env + Reg.  
Signature: Natalie Gladden Date: 3/13/22  
email: natalie@energyshopping1k.com Telephone: 575-390-4397

**OCD Only**

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

☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: Jennifer Nobui Date: 07/20/2022

**Natalie Gladden**

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**From:** Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>  
**Sent:** Tuesday, August 23, 2022 8:05 AM  
**To:** Natalie Gladden  
**Cc:** Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD  
**Subject:** RE: [EXTERNAL] Composite Notification: Tap Rock Contest Federal Com #211H

Natalie

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,  
Jennifer Nobui

**From:** Natalie Gladden <natalie@energystaffingllc.com>  
**Sent:** Tuesday, August 23, 2022 7:38 AM  
**To:** ocdonline, emnrd, EMNRD <EMNRD.OCDOnline@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>  
**Cc:** 'Bill Ramsey' <bramsey@taprk.com>; Christian Combs <ccombs@taprk.com>; Dakoatah Montanez <dakoatah@energystaffingllc.com>  
**Subject:** [EXTERNAL] Composite Notification: Tap Rock Contest Federal Com #211H

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

All,

Please use this email as the official Composite Sampling Notification on the following release:

Contest Federal Com #211H  
DOR: 10/4/2020  
Incident ID: NAPP2127930986

Thank you in advance and have a great day!

*Natalie Gladden*

Company Name: TAP ROCK Location Name: CONTEST FED COM 211H Release Date: 10/4/2021

SP ID	Depth	Titre	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Soil	Notes
COMP 1	4'	500	L	ND	ND	ND	ND	ND	477	SAND	
COMP 2	4'	3000	L	ND	ND	ND	ND	ND	2990	SAND	
COMP 3	4'	4080	L	ND	ND	ND	ND	ND	4210	SAND	
COMP 4	4'	5200	L	ND	ND	ND	ND	ND	5300	SAND	
COMP 5	4'	200	L	ND	ND	ND	ND	ND	191	SAND	
COMP 6	4'	4000	L	ND	ND	ND	ND	ND	3840	SAND	
COMP 7	4'	5010	L	ND	ND	ND	ND	ND	5120	SAND	
COMP 8	4'	400	L	ND	ND	ND	ND	ND	395	SAND	
COMP 9	4'	80	L	ND	ND	ND	ND	ND	62.7	SAND	
COMP 10	4'	600	L	ND	ND	ND	ND	ND	598	SAND	
COMP 11	4'	540	L	ND	ND	ND	ND	ND	506	SAND	
COMP 12	4'	6700	L	ND	ND	ND	ND	ND	6640	SAND	
COMP 13	4'	1520	L	ND	ND	ND	ND	ND	1490	SAND	
COMP 14	4'	3080	L	ND	ND	ND	ND	ND	3120	SAND	
COMP 15	4'	500	L	ND	ND	ND	ND	ND	459	SAND	
COMP 16	4'	1000	L	ND	ND	ND	ND	ND	1010	SAND	
COMP 17	4'	7420	L	ND	ND	ND	ND	ND	7380	SAND	
SWC 1		1160	L	ND	ND	ND	ND	ND	1110	SAND	
SWC 2		350	L	ND	ND	ND	ND	ND	310	SAND	
SWC 3		1000	L	ND	ND	ND	ND	ND	980	SAND	
SWC 4		200	L	ND	ND	ND	ND	ND	192	SAND	
SWC 5		200	L	ND	ND	ND	ND	ND	198	SAND	
SWC 6		240	L	ND	ND	ND	ND	ND	229	SAND	
SWC 7		260	L	ND	ND	ND	ND	ND	246	SAND	
SWC 8		500	L	ND	ND	ND	ND	ND	493	SAND	
SWC 9		120	L	ND	ND	ND	ND	ND	121	SAND	
SWC 10		40	L	ND	ND	ND	ND	ND	34.2	SAND	
SWC 11		20	L	ND	ND	ND	ND	ND	ND	SAND	
SWC 12		20	L	ND	ND	ND	ND	ND	24.8	SAND	
SWC 13		120	L	ND	ND	ND	ND	ND	111	SAND	
SWC 14		ND	L	ND	ND	ND	ND	ND	ND	SAND	



SWC 16		40	L	ND	ND	ND	ND	ND	43.7	SAND	
SWC 17		120	L	ND	ND	ND	ND	ND	105	SAND	

TAPROCK: CONTEST FEDERAL COM #211H

COMPOSITE SAMPLE GPS

SAMPLE	LATITUDE	LONGITUDE
C1	32.226185	-103.468428
C2	32.226143	-103.468425
C3	32.226106	-103.468418
C4	32.226151	-103.468306
C5	32.226116	-103.468301
C6	32.226068	-103.468352
C7	32.226064	-103.46828
C8	32.226138	-103.468194
C9	32.226088	-103.468197
C10	32.226025	-103.468228
C11	32.226032	-103.468171
C12	32.226123	-103.468097
C13	32.226083	-103.468083
C14	32.22605	-103.468076
C15	32.226019	-103.468076
C16	32.225978	-103.468131
C17	32.225978	-103.468048
SWC1	32.226203	-103.468465
SWC2	32.226202	-103.468399
SWC3	32.226173	-103.468324
SWC4	32.226162	-103.468242
SWC5	32.226155	-103.468144
SWC6	32.226123	-103.468047
SWC7	32.226059	-103.468002
SWC8	32.225994	-103.467995
SWC9	32.225953	-103.46805
SWC10	32.225959	-103.468121
SWC11	32.225973	-103.468186
SWC12	32.225995	-103.468239
SWC13	32.22602	-103.468292
SWC14	32.226046	-103.46835
SWC15	32.226068	-103.468408
SWC16	32.226092	-103.468463
SWC17	32.226144	-103.46849



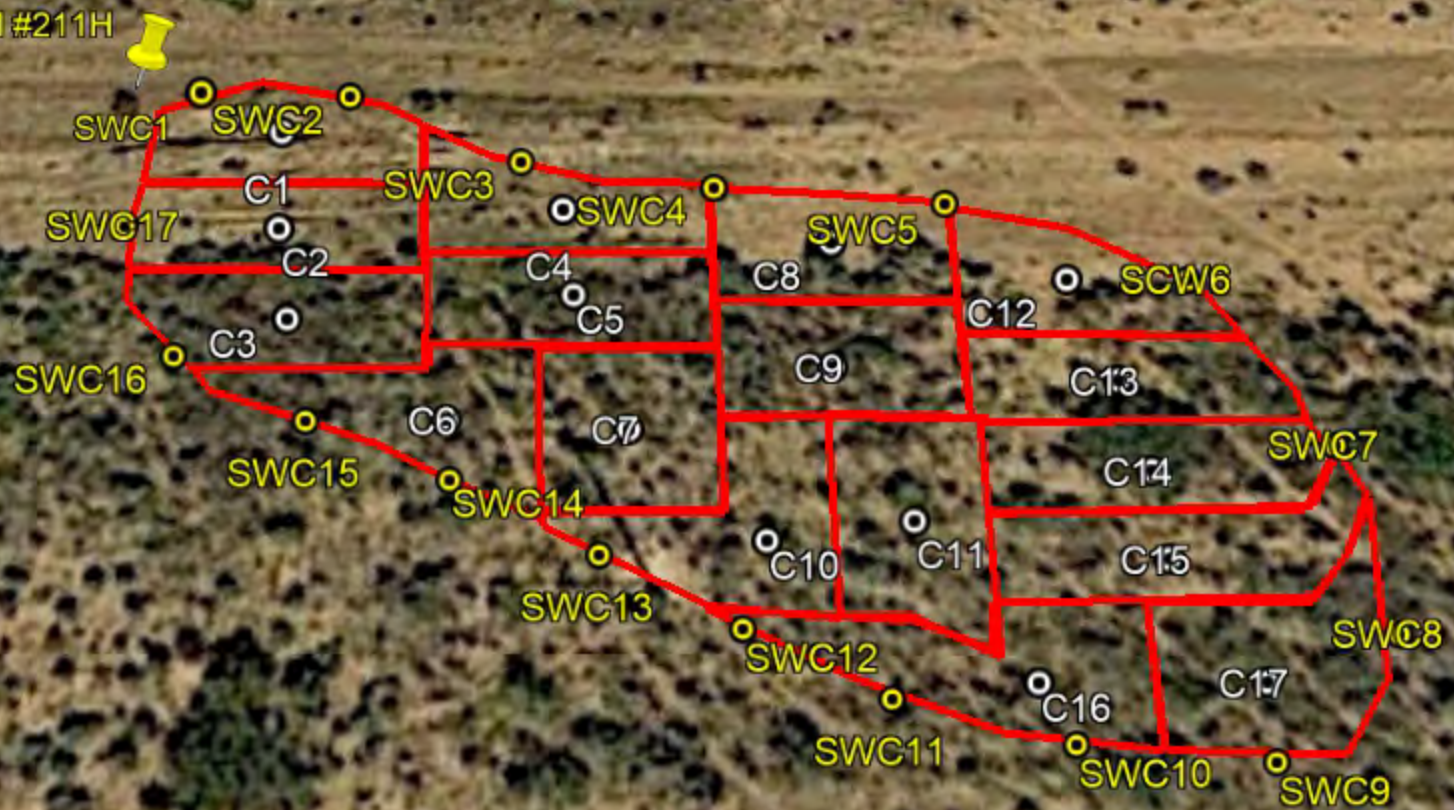
TAPROCK

CONTEST FEDERAL COM #211H  
COMPOSITE MAP

Legend

- CONTEST FEDERAL COM #211H
- EXCAVATION AREA
- HORIZONTAL COMPOSITES
- VERTICAL COMPOSITES

CONTEST FEDERAL COM #211H



70 ft



Report to:  
Natalie Gladden



# 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

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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## Sample Summary

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

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP1-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.





## Sample Data

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

## SP1-Surf

## E111134-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	91.8 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2148015	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	92.0 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>	119 %	50-200		11/23/21	11/23/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2148016	
Chloride	10800	400	20	11/23/21	11/24/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
11/24/2021 1:28:30PM

## SP2-Surf

## E111134-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.3 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.9 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	120 %	50-200		11/23/21	11/23/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2148016
Chloride	14200	400	20	11/23/21	11/24/21	



## Sample Data

Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
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
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.2 %	70-130	11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>		116 %	50-200	11/23/21	11/23/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2148016
Chloride	8160	400	20	11/23/21	11/24/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
11/24/2021 1:28:30PM

## SP4-Surf

E111134-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.5 %	70-130	11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		102 %	70-130	11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>		114 %	50-200	11/23/21	11/23/21	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2148016
Chloride	16700	1000	50	11/23/21	11/24/21	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
11/24/2021 1:28:30PM

## SP5-Surf

E111134-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.5 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		11/23/21	11/23/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2148016
Chloride	4220	100	5	11/23/21	11/24/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
11/24/2021 1:28:30PM

## SP6-Surf

E111134-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.4 %	70-130	11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>		113 %	50-200	11/23/21	11/23/21	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2148016
Chloride	19400	1000	50	11/23/21	11/24/21	



## Sample Data

Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
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
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.4 %	70-130	11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		102 %	70-130	11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>		122 %	50-200	11/23/21	11/23/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2148016
Chloride	30700	2000	100	11/23/21	11/24/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
11/24/2021 1:28:30PM

## SP8-Surf

E111134-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.3 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	102 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	60.1 %	50-200		11/23/21	11/23/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2148016
Chloride	12600	400	20	11/23/21	11/24/21	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
11/24/2021 1:28:30PM

## SP9-Surf

## E111134-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.8 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	93.5 %	50-200		11/23/21	11/23/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2148016
Chloride	5140	100	5	11/23/21	11/24/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
11/24/2021 1:28:30PM

## SP10-Surf

## E111134-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.5 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	101 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	117 %	50-200		11/23/21	11/23/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2148016
Chloride	12900	400	20	11/23/21	11/24/21	



## Sample Data

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

## SP11-Surf

## E111134-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>92.1 %</i>	<i>70-130</i>		<i>11/23/21</i>	<i>11/23/21</i>	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2148015	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>90.5 %</i>	<i>70-130</i>		<i>11/23/21</i>	<i>11/23/21</i>	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>	<i>118 %</i>	<i>50-200</i>		<i>11/23/21</i>	<i>11/23/21</i>	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2148016	
Chloride	7320	200	10	11/23/21	11/24/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
11/24/2021 1:28:30PM

## SP12-Surf

## E111134-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.1 %	70-130	11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.1 %	70-130	11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>		115 %	50-200	11/23/21	11/23/21	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2148016
Chloride	45000	2000	100	11/23/21	11/24/21	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
11/24/2021 1:28:30PM

## SP13-Surf

## E111134-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.7 %	70-130	11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
		116 %	50-200	11/23/21	11/23/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2148016
Chloride	10400	400	20	11/23/21	11/24/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
11/24/2021 1:28:30PM

## SP14-Surf

## E111134-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.8 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.8 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	116 %	50-200		11/23/21	11/23/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2148016
Chloride	30800	2000	100	11/23/21	11/24/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
11/24/2021 1:28:30PM

## SP15-Surf

## E111134-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.4 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.0 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	115 %	50-200		11/23/21	11/23/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2148016
Chloride	ND	20.0	1	11/23/21	11/24/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
11/24/2021 1:28:30PM

## SP16-Surf

## E111134-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.9 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.3 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	115 %	50-200		11/23/21	11/23/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2148016
Chloride	60.3	20.0	1	11/23/21	11/24/21	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
11/24/2021 1:28:30PM

## SP17-Surf

## E111134-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.4 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	101 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	117 %	50-200		11/23/21	11/23/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2148016
Chloride	16800	1000	50	11/23/21	11/24/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
11/24/2021 1:28:30PM

SP1-5'

E111134-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.9 %	70-130	11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		102 %	70-130	11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>		115 %	50-200	11/23/21	11/23/21	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2148016
Chloride	125	20.0	1	11/23/21	11/24/21	



## QC Summary Data

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

## Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2148015-BLK1)

Prepared: 11/23/21 Analyzed: 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	7.60		8.00		95.0	70-130			

## LCS (2148015-BS1)

Prepared: 11/23/21 Analyzed: 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			
Toluene	4.90	0.0250	5.00		98.1	70-130			
o-Xylene	4.88	0.0250	5.00		97.6	70-130			
p,m-Xylene	9.63	0.0500	10.0		96.3	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)

Prepared: 11/23/21 Analyzed: 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			



## QC Summary Data

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

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2148015-BLK1)

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

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

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2148014-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: <i>n</i> -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			
Surrogate: <i>n</i> -Nonane	60.6		50.0		121	50-200			

## Matrix Spike (2148014-MS1)

Source: E111134-04

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

Diesel Range Organics (C10-C28)	1340	50.0	500	747	118	38-132			
Surrogate: <i>n</i> -Nonane	59.7		50.0		119	50-200			

## Matrix Spike Dup (2148014-MSD1)

Source: E111134-04

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: <i>n</i> -Nonane	61.9		50.0		124	50-200			



## QC Summary Data

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

## Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2148016-BLK1)

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

Chloride	ND	20.0
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## LCS (2148016-BS1)

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

Chloride	247	20.0	250	98.9	90-110
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## Matrix Spike (2148016-MS1)

Source: E111134-01

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

Chloride	10900	400	250	10800	38.8	80-120	M5
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## Matrix Spike Dup (2148016-MSD1)

Source: E111134-01

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

Chloride	11900	400	250	10800	428	80-120	8.55	20	M5
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## QC Summary Report Comment:

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



Definitions and Notes

Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
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: <u>Taprock</u>				Bill To				Lab Use Only				TAT				EPA Program	
Project: <u>Contest 211 H</u>				Attention: <u>ESS</u>				Lab WO# <u>E111134</u>		Job Number <u>20046-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Natalie</u>				Address:				Analysis and Method								RCRA	
Address:				City, State, Zip				DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM - BGDOC	TX - TPH (TCEQ 1005)	State	
City, State, Zip				Phone:												NM	CO
Phone:				Email:												UT	AZ
Email:				Report due by:												TX	
Time Sampled				Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number								Remarks	
	11/15/21	S	1	SP1 - surf	1												
				SP2 - surf	2												
				SP3 - surf	3												
				SP4 - surf	4												
				SP5 - surf	5												
				SP6 - surf	6												
				SP7 - surf	7												
				SP8 - surf	8												
				SP9 - surf	9												
				SP10 - surf	10												

## Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only			
<u>Natalie Gladden</u>		11/19/21	1400	<u>[Signature]</u>		11-22-21	1400	Received on ice: <u>Y</u> N			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3			
<u>[Signature]</u>		11-22-21	1650	<u>[Signature]</u>		11/23/21	12:00				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>			
<u>[Signature]</u>				<u>[Signature]</u>							
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other								Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA			
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.											



Client: <u>Taprock</u>				Bill To				Lab Use Only				TAT				EPA Program	
Project: <u>Contest 211H</u>				Attention: <u>ESS</u>				Lab WO# <u>E111134</u>		Job Number <u>20046-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Natalie</u>				Address:				Analysis and Method								RCRA	
Address:				City, State, Zip				DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM - BGDOC	TX - TPH (TCEQ 1005)	State	
City, State, Zip				Phone:												NM	CO
Phone:				Email:												UT	AZ
Email:																TX	
Report due by:																Remarks	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number												
	11/15/21	S	1	SP11 - surf	11								X				
				SP12 - surf	12												
				SP13 - surf	13												
				SP14 - surf	14												
				SP15 - surf	15												
				SP16 - surf	16												
				SP17 - surf	17												
				SP1 - 5'	18												

## Additional Instructions:

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

Sampled by:

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

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

## Envirotech Analytical Laboratory

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

## 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:	E111134
Phone:	(575) 390-6397	Date Logged In:	11/23/21 12:28	Logged In By:	Alexa Michaels
Email:	natalie@energystaffingllc.com	Due Date:	11/23/21 17:00 (0 day TAT)		

**Chain of Custody (COC)**

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

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

Carrier: FedEx**Comments/Resolution**

Time Sampled was not provided on COC

**Sample Turn Around Time (TAT)**

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

**Sample Cooler**

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

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

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

**Sample Container**

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

**Field Label**

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

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

**Sample Preservation**

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

**Multiphase Sample Matrix**

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

**Subcontract Laboratory**

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

**Client Instruction**

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

Date



envirotech Inc.

Report to:  
Natalie Gladden



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Tap Rock

Project Name: 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

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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

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

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

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



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## Sample Summary

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

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
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.



## Sample Data

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

## SW1-6'

## E111135-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	94.2 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2148017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.4 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>	115 %	50-200		11/23/21	11/23/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2148019	
Chloride	32.4	20.0	1	11/23/21	11/24/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
11/24/2021 1:26:26PM

## SW2-Surf

## E111135-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.3 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2148017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.0 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	118 %	50-200		11/23/21	11/23/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2148019
Chloride	90.3	20.0	1	11/23/21	11/24/21	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
11/24/2021 1:26:26PM

SW2-2'

E111135-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.6 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2148017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.0 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	122 %	50-200		11/23/21	11/23/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2148019
Chloride	ND	20.0	1	11/23/21	11/24/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
11/24/2021 1:26:26PM

SW3-2'

E111135-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.7 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2148017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.4 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	120 %	50-200		11/23/21	11/23/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2148019
Chloride	ND	20.0	1	11/23/21	11/24/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
11/24/2021 1:26:26PM

## SW4-Surf

## E111135-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.7 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2148017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.5 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	118 %	50-200		11/23/21	11/23/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2148019
Chloride	148	20.0	1	11/23/21	11/24/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
11/24/2021 1:26:26PM

SW4-2'

E111135-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.2 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2148017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.7 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	122 %	50-200		11/23/21	11/23/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2148019
Chloride	ND	20.0	1	11/23/21	11/24/21	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
11/24/2021 1:26:26PM

SW5-2'

E111135-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.0 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2148017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.5 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	120 %	50-200		11/23/21	11/24/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2148019
Chloride	ND	20.0	1	11/23/21	11/24/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
11/24/2021 1:26:26PM

## SW6-Surf

## E111135-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.8 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2148017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.0 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	122 %	50-200		11/23/21	11/24/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2148019
Chloride	5820	100	5	11/23/21	11/24/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
11/24/2021 1:26:26PM

SW6-2'

E111135-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.2 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2148017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.2 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	125 %	50-200		11/23/21	11/24/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2148019
Chloride	ND	20.0	1	11/23/21	11/24/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
11/24/2021 1:26:26PM

SW7-2'

E111135-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.3 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2148017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.6 %	70-130		11/23/21	11/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	119 %	50-200		11/23/21	11/24/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2148019
Chloride	81.0	20.0	1	11/23/21	11/24/21	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
11/24/2021 1:26:26PM

## SW8-Surf

## E111135-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.7 %	70-130		11/23/21	11/24/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2148017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/24/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.1 %	70-130		11/23/21	11/24/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	123 %	50-200		11/23/21	11/24/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2148019
Chloride	500	20.0	1	11/23/21	11/24/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
11/24/2021 1:26:26PM

SW8-2'

E111135-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.1 %	70-130		11/23/21	11/24/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2148017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/24/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.3 %	70-130		11/23/21	11/24/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	122 %	50-200		11/23/21	11/24/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2148019
Chloride	ND	20.0	1	11/23/21	11/24/21	



## QC Summary Data

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

## Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2148017-BLK1)

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



## QC Summary Data

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

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2148017-BLK1)

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



## 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 1:26:26PM

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

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (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: E111135-03

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: E111135-03

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			





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 1:26:26PM

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (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: E111135-01		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: E111135-01		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

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





## Project Information

## Chain of Custody

Page 1 of 2

Client: <u>JAPRock</u>				Bill To				Lab Use Only				TAT				EPA Program			
Project: <u>Contest 211 H</u>				Attention: <u>Natalie gladalen</u>				Lab WO# <u>E111135</u>		Job Number <u>20046-0001</u>		1D	2D	3D	Standard	CWA	SDWA		
Project Manager: <u>Christain Combs</u>				Address: <u>2424 N West County Rd</u>				Analysis and Method										RCRA	
Address:				City, State, Zip <u>Hobbs NM 88240</u>														CWA	
City, State, Zip				Phone: <u>575-390-6397</u>				State										RCRA	
Phone:				Email: <u>Natalie@EnergyStaffing</u>														NM	
Email: <u>Natalie gladalen</u>				LLC. Com				Remarks										X	
Report due by: <u>ESS</u>																		NM	
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	TX - TPH (TCEQ 1005)						
	11/18/21	S	1	Sw1-6'	1							X							
	11/22/21			Sw2-Surf	2														
	11/18/21			Sw2-2'	3														
	11/22/21			Sw3-2'	4														
	11/18/21			Sw4-Surf	5														
	11/22/21			Sw4-2'	6														
	11/22/21			Sw5-2'	7														
	11/18/21			Sw6-Surf	8														
	11/22/21			Sw6-2'	9														
	11/22/21			Sw7-2'	10														

**Additional Instructions:**

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

Relinquished by: (Signature) [Signature] Date 11-22-21 Time  Received by: (Signature) [Signature] Date 11/23/21 Time 12:00

Relinquished by: (Signature)  Date  Time  Received by: (Signature)  Date  Time

Relinquished by: (Signature)  Date  Time  Received by: (Signature)  Date  Time

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

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



### Project Information

Client: <u>TAPRock</u>				Bill To				Lab Use Only				TAT				EPA Program						
Project: <u>Content 211 H</u>				Attention: <u>Natalie Gladsten</u>				Lab WO# <u>E111135</u>		Job Number <u>20046-0001</u>		1D	2D	3D	Standard	CWA	SDWA					
Project Manager: <u>Christian Combs</u>				Address: <u>2724 N West County Rd</u>				<input checked="" type="checkbox"/>														
Address:				City, State, Zip <u>Elmwood, 83240</u>				Analysis and Method											RCRA			
City, State, Zip				Phone: <u>575-390-6397</u>				DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM - BGDOC	TX - TPH (TCEQ 1005)	State						
Phone:				Email: <u>Natalie@EnergyStaffing</u>												NM	CO	UT	AZ	TX		
Email: <u>Natalie Gladsten</u>				Report due by: <u>ESS</u>														Remarks				
Report due by: <u>ESS</u>				LLC.com																		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number																	
	11/18/21	S	1	SW8-Surf	11									X								
	11/22/21	S	1	SW8-2'	12									X								
Additional Instructions:																						
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only										
		11-22-19						11/23/21		12:00		Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 _____ T2 _____ T3 _____										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		AVG Temp °C <u>4</u>										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																						



## Envirotech Analytical Laboratory

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

## 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)

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

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

Carrier: FedExComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



Report to:  
Natalie Gladden



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Tap Rock

Project Name: 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

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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

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

Field Offices:

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

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

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

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Sample Summary

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

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
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.



## Sample Data

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

## SW1-Surf

## E111139-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	11/24/21	11/25/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2148026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/24/21	11/25/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.4 %	70-130	11/24/21	11/25/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>		128 %	50-200	11/24/21	11/25/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2148025
Chloride	3500	40.0	2	11/29/21	11/29/21	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
11/29/2021 4:21:33PM

## SW3-Surf

## E111139-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.8 %	70-130		11/24/21	11/25/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2148026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/24/21	11/25/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.1 %	70-130		11/24/21	11/25/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	135 %	50-200		11/24/21	11/25/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2148025
Chloride	20.5	20.0	1	11/29/21	11/29/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
11/29/2021 4:21:33PM

## SW5-Surf

## E111139-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	11/24/21	11/25/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2148026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/24/21	11/25/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.2 %	70-130	11/24/21	11/25/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
		129 %	50-200	11/24/21	11/25/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2148025
Chloride	ND	20.0	1	11/29/21	11/29/21	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
11/29/2021 4:21:33PM

## SW7-Surf

## E111139-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.9 %	70-130		11/24/21	11/25/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2148026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/24/21	11/25/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.5 %	70-130		11/24/21	11/25/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	133 %	50-200		11/24/21	11/25/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2148025
Chloride	ND	20.0	1	11/29/21	11/29/21	



## 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

## Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2148026-BLK1)

Prepared: 11/24/21 Analyzed: 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: 11/24/21 Analyzed: 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: 11/24/21 Analyzed: 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			



## 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

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2148026-BLK1)

Prepared: 11/24/21 Analyzed: 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: 11/24/21 Analyzed: 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: 11/24/21 Analyzed: 11/25/21

Gasoline Range Organics (C6-C10)	50.4	20.0	50.0		101	70-130	2.07	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			





## QC Summary Data

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

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

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2148022-BLK1)

Prepared: 11/24/21 Analyzed: 11/24/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -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: <i>n</i> -Nonane	60.3		50.0		121	50-200			

## Matrix Spike (2148022-MS1)

Source: E111139-04

Prepared: 11/24/21 Analyzed: 11/24/21

Diesel Range Organics (C10-C28)	548	25.0	500	ND	110	38-132			
Surrogate: <i>n</i> -Nonane	60.9		50.0		122	50-200			

## Matrix Spike Dup (2148022-MSD1)

Source: E111139-04

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: <i>n</i> -Nonane	59.8		50.0		120	50-200			



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

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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: E111138-01		Prepared: 11/29/21 Analyzed: 11/29/21		
Chloride	6910	400	250	7410	NR	80-120			M5
Matrix Spike Dup (2148025-MSD1)					Source: E111138-01		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

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



Client: <u>TAP Rocks</u>					Bill To					Lab Use Only				TAT				EPA Program			
Project: <u>Contest 211A</u>					Attention: <u>Natalie gladden</u>					Lab WO# <u>E111139</u>		Job Number <u>200460001</u>		1D	2D	3D	Standard	CWA	SDWA		
Project Manager: <u>Christain Combs</u>					Address: <u>2724 W West County Rd</u>					Analysis and Method										RCRA	
Address:					City, State, Zip <u>Hobbs NM 88240</u>																
City, State, Zip					Phone: <u>575-380-6397</u>					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)										State	
Phone:					Email: <u>Natalie@EnergyStaffing</u>																
Email: <u>Natalie gladden</u>					Report due by: <u>ESS</u>					NM CO UT AZ TX X										Remarks	
Report due by: <u>ESS</u>					Llc.com																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number																
	11/22	S	1	SW1-Surf	1																
	15	1	1	SW3-Surf	2																
		1	1	SW5-Surf	3																
		1	1	SW7-Surf	4																

## Additional Instructions:

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

Sampled by: Thom

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only	
<u>[Signature]</u>	11/23	15:30	<u>[Signature]</u>	11-23-21	15:30	Received on ice: <u>(Y)</u> N	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time		
<u>[Signature]</u>	11/23	18:00	<u>[Signature]</u>	11/24/21	12:00	T1 T2 T3	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time		
						AVG Temp °C <u>4</u>	

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

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

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

## Envirotech Analytical Laboratory

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

## 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)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? No

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



Report to:  
Natalie Gladden



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Tap Rock

Project Name: 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

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 1/26/22

Natalie Gladden  
7 W. Compress Road  
Artesia, NM 88210



Project Name: 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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

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

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

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## Sample Summary

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

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
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.



## Sample Data

Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Contest 211 H Project Number: 20046-0001 Project Manager: Natalie Gladden	Reported: 1/26/2022 5:52:27PM
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## SW 9- Surf

## E201126-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	108 %	50-200		01/25/22	01/26/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2205039
Chloride	2340	20.0	1	01/25/22	01/26/22	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
1/26/2022 5:52:27PM

SW 9-2'

E201126-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2205039
Chloride	ND	20.0	1	01/25/22	01/26/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
1/26/2022 5:52:27PM

## SW 10- Surf

## E201126-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	102 %	50-200		01/25/22	01/26/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2205039
Chloride	3750	40.0	2	01/25/22	01/26/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
1/26/2022 5:52:27PM

## SW 10-2'

## E201126-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	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	103 %	70-130		01/25/22	01/26/22	
Surrogate: Toluene-d8	96.3 %	70-130		01/25/22	01/26/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	103 %	50-200		01/25/22	01/26/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2205039
Chloride	ND	20.0	1	01/25/22	01/26/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
1/26/2022 5:52:27PM

## SW 11- Surf

## E201126-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	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	94.4 %	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	94.4 %	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2205039
Chloride	430	20.0	1	01/25/22	01/26/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
1/26/2022 5:52:27PM

SW 11-2'

E201126-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	107 %	50-200		01/25/22	01/26/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2205039
Chloride	ND	20.0	1	01/25/22	01/26/22	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
1/26/2022 5:52:27PM

## SW 12- Surf

E201126-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	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	94.4 %	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	94.4 %	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	107 %	50-200		01/25/22	01/26/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2205039
Chloride	16100	400	20	01/25/22	01/26/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
1/26/2022 5:52:27PM

## SW 12-4'

## E201126-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	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	97.5 %	70-130		01/25/22	01/26/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	97.5 %	70-130		01/25/22	01/26/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2205039
Chloride	22.7	20.0	1	01/25/22	01/26/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
1/26/2022 5:52:27PM

## SW 13- Surf

## E201126-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	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	94.3 %	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	94.3 %	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	107 %	50-200		01/25/22	01/26/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2205039
Chloride	29.7	20.0	1	01/25/22	01/26/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
1/26/2022 5:52:27PM

## SW 13-2'

## E201126-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	104 %	50-200		01/25/22	01/26/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2205039
Chloride	ND	20.0	1	01/25/22	01/26/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
1/26/2022 5:52:27PM

SP2-13'

E201126-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	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	95.3 %	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	96.5 %	70-130		01/25/22	01/26/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	95.3 %	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	96.5 %	70-130		01/25/22	01/26/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2205039
Chloride	233	20.0	1	01/25/22	01/26/22	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
1/26/2022 5:52:27PM

## SP 3-21'

## E201126-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2205039
Chloride	321	20.0	1	01/25/22	01/26/22	



## 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

## Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

## Blank (2205032-BLK1)

Prepared: 01/25/22 Analyzed: 01/25/22

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	0.472		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-BS1)

Prepared: 01/25/22 Analyzed: 01/26/22

Benzene	2.76	0.0250	2.50		110	70-130			
Ethylbenzene	2.74	0.0250	2.50		109	70-130			
Toluene	2.76	0.0250	2.50		110	70-130			
o-Xylene	2.69	0.0250	2.50		108	70-130			
p,m-Xylene	5.39	0.0500	5.00		108	70-130			
Total Xylenes	8.08	0.0250	7.50		108	70-130			
Surrogate: Bromofluorobenzene	0.479		0.500		95.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.8	70-130			

## Matrix Spike (2205032-MS1)

Source: E201126-02

Prepared: 01/25/22 Analyzed: 01/26/22

Benzene	2.85	0.0250	2.50	ND	114	48-131			
Ethylbenzene	2.83	0.0250	2.50	ND	113	45-135			
Toluene	2.82	0.0250	2.50	ND	113	48-130			
o-Xylene	2.80	0.0250	2.50	ND	112	43-135			
p,m-Xylene	5.56	0.0500	5.00	ND	111	43-135			
Total Xylenes	8.37	0.0250	7.50	ND	112	43-135			
Surrogate: Bromofluorobenzene	0.481		0.500		96.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.1	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.1	70-130			

## Matrix Spike Dup (2205032-MSD1)

Source: E201126-02

Prepared: 01/25/22 Analyzed: 01/26/22

Benzene	2.70	0.0250	2.50	ND	108	48-131	5.37	23	
Ethylbenzene	2.68	0.0250	2.50	ND	107	45-135	5.47	27	
Toluene	2.65	0.0250	2.50	ND	106	48-130	6.22	24	
o-Xylene	2.63	0.0250	2.50	ND	105	43-135	6.27	27	
p,m-Xylene	5.26	0.0500	5.00	ND	105	43-135	5.53	27	
Total Xylenes	7.90	0.0250	7.50	ND	105	43-135	5.77	27	
Surrogate: Bromofluorobenzene	0.482		0.500		96.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.2	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

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2205032-BLK1)

Prepared: 01/25/22 Analyzed: 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: 01/25/22 Analyzed: 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: E201126-02

Prepared: 01/25/22 Analyzed: 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: E201126-02

Prepared: 01/25/22 Analyzed: 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

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

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2205030-BLK1)

Prepared: 01/25/22 Analyzed: 01/25/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	52.9		50.0		106	50-200			

## LCS (2205030-BS1)

Prepared: 01/25/22 Analyzed: 01/25/22

Diesel Range Organics (C10-C28)	544	25.0	500		109	38-132			
Surrogate: <i>n</i> -Nonane	52.9		50.0		106	50-200			

## Matrix Spike (2205030-MS1)

Source: E201126-01

Prepared: 01/25/22 Analyzed: 01/25/22

Diesel Range Organics (C10-C28)	561	25.0	500	ND	112	38-132			
Surrogate: <i>n</i> -Nonane	54.0		50.0		108	50-200			

## Matrix Spike Dup (2205030-MSD1)

Source: E201126-01

Prepared: 01/25/22 Analyzed: 01/25/22

Diesel Range Organics (C10-C28)	581	25.0	500	ND	116	38-132	3.56	20	
Surrogate: <i>n</i> -Nonane	52.7		50.0		105	50-200			



## QC Summary Data

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

## Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2205039-BLK1)

Prepared: 01/25/22 Analyzed: 01/26/22

Chloride ND 20.0

## LCS (2205039-BS1)

Prepared: 01/25/22 Analyzed: 01/26/22

Chloride 248 20.0 250 99.3 90-110

## Matrix Spike (2205039-MS1)

Source: E201126-02

Prepared: 01/25/22 Analyzed: 01/26/22

Chloride 248 20.0 250 ND 99.1 80-120

## Matrix Spike Dup (2205039-MSD1)

Source: E201126-02

Prepared: 01/25/22 Analyzed: 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

Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
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

Page 1 of 2

Client: <u>TAPROCK</u>		Bill To: <u>E SS</u>		Lab Use Only		TAT		EPA Program															
Project: <u>CONTEST 21" H</u>		Attention: <u>E SS</u>		Lab WO# <u>E 201126</u>		Job Number <u>20040-0001</u>		1D	2D	3D	Standard	CWA	SDWA										
Project Manager:		Address: <u>2724 W COUNTY RD</u>		Analysis and Method								RCRA											
Address:		City, State, Zip: <u>HOBBS NM 87401</u>		DRO/ORO by 8015		GRO/DRO by 8015		BTEX by 8021		VOC by 8260		Metals 6010											
City, State, Zip		Phone: <u>(575) 390-6397</u>		Chloride 300.0																			
Phone:		Email: <u>NATALIE GLADEN</u>																					
Email:																							
Report due by:																							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks																	
12:45	1-20	S	1	SW 9 - S4RK	1	<div style="display: flex; justify-content: space-between;"> <div> <p>State</p> <table border="1"> <tr> <td>NM</td> <td>CO</td> <td>UT</td> <td>AZ</td> <td>TX</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> </div> <div> <p>AVG Temp °C <u>4</u></p> </div> </div>								NM	CO	UT	AZ	TX	<input checked="" type="checkbox"/>				
NM	CO	UT	AZ	TX																			
<input checked="" type="checkbox"/>																							
12:50				SW 9 - 2"	2																		
1:15				SW 10 - S4RK	3																		
1:18				SW 10 - 2"	4																		
1:40				SW 11 - S4RK	5																		
1:46				SW 11 - 2"	6																		
2:00				SW 12 - S4RK	7																		
2:45				SW 12 - 4"	8																		
3:00				SW 13 - S4RK	9																		
3:10				SW 13 - 2"	10																		
Additional Instructions:																							
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																							
<div style="display: flex; justify-content: space-between;"> <div> <p>Relinquished by: (Signature) <u>Natalie Gladen</u></p> <p>Relinquished by: (Signature) <u>John Jak</u></p> <p>Relinquished by: (Signature) <u>John Jak</u></p> </div> <div> <p>Date <u>1/24/22</u></p> <p>Date <u>1-24-22</u></p> <p>Date</p> </div> <div> <p>Time <u>2:11</u></p> <p>Time <u>1830</u></p> <p>Time</p> </div> <div> <p>Received by: (Signature) <u>John Jak</u></p> <p>Received by: (Signature) <u>Carsten Chutney</u></p> <p>Received by: (Signature)</p> </div> <div> <p>Date <u>1-24-22</u></p> <p>Date <u>1/25/22</u></p> <p>Date</p> </div> <div> <p>Time <u>1411</u></p> <p>Time <u>9:52</u></p> <p>Time</p> </div> </div>																							
<div style="display: flex; justify-content: space-between;"> <div> <p>Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other</p> </div> <div> <p>Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA</p> </div> </div>																							
<p>Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.</p>																							


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## Envirotech Analytical Laboratory

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

## 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:	01/26/22 17:00 (1 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CarrierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:  
Natalie Gladden



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Tap Rock

Project Name: 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

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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

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

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

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

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## Sample Summary

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

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
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.



## Sample Data

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

SP4-25'

E201142-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: 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	96.5 %	70-130		01/28/22	01/31/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: 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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: 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	86.7 %	50-200		01/28/22	01/29/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY			Batch: 2206010
Chloride	199	20.0	1	02/01/22	02/02/22	



## Sample Data

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

SP6-24'

E201142-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	01/28/22	01/31/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2205067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/22	01/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	01/28/22	01/31/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>		96.8 %	50-200	01/28/22	01/29/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2206010
Chloride	ND	20.0	1	02/01/22	02/02/22	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
2/3/2022 2:00:32PM

## SW14-Surf

## E201142-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.0 %	70-130		01/28/22	01/31/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2205067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/22	01/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		01/28/22	01/31/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	94.4 %	50-200		01/28/22	01/29/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2206010
Chloride	ND	20.0	1	02/01/22	02/02/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
2/3/2022 2:00:32PM

SW14-2'

E201142-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	01/28/22	01/31/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2205067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/22	01/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		105 %	70-130	01/28/22	01/31/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
		99.1 %	50-200	01/28/22	01/29/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2206010
Chloride	ND	20.0	1	02/01/22	02/02/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
2/3/2022 2:00:32PM

## SW15-Surf

## E201142-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.4 %	70-130		01/28/22	01/31/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2205067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/22	01/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		01/28/22	01/31/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	96.5 %	50-200		01/28/22	01/29/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2206010
Chloride	705	20.0	1	02/01/22	02/02/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
2/3/2022 2:00:32PM

SW15-2'

E201142-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.9 %	70-130		01/28/22	02/01/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2205067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/22	02/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %	70-130		01/28/22	02/01/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	95.2 %	50-200		01/28/22	01/29/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2206010
Chloride	ND	20.0	1	02/01/22	02/02/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
2/3/2022 2:00:32PM

## SW16-Surf

## E201142-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.7 %	70-130		01/28/22	02/01/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2205067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/22	02/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		01/28/22	02/01/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	93.0 %	50-200		01/28/22	01/29/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2206010
Chloride	6200	40.0	2	02/01/22	02/02/22	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
2/3/2022 2:00:32PM

SW16-3'

E201142-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.7 %	70-130		01/28/22	02/01/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2205067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/22	02/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %	70-130		01/28/22	02/01/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	91.7 %	50-200		01/28/22	01/29/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2206010
Chloride	20.9	20.0	1	02/01/22	02/02/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
2/3/2022 2:00:32PM

## SW17-Surf

## E201142-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.2 %	70-130		01/28/22	02/01/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2205067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/22	02/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %	70-130		01/28/22	02/01/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		01/28/22	01/29/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2206010
Chloride	13000	400	20	02/01/22	02/02/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
2/3/2022 2:00:32PM

SW17-3'

E201142-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.7 %	70-130		01/28/22	02/01/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2205067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/22	02/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %	70-130		01/28/22	02/01/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	99.2 %	50-200		01/28/22	01/29/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2206010
Chloride	63.1	20.0	1	02/01/22	02/02/22	



## 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

## Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2205067-BLK1)

Prepared: 01/28/22 Analyzed: 01/31/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.23		8.00		90.4	70-130			

## LCS (2205067-BS1)

Prepared: 01/28/22 Analyzed: 01/31/22

Benzene	4.34	0.0250	5.00		86.8	70-130			
Ethylbenzene	4.49	0.0250	5.00		89.9	70-130			
Toluene	4.70	0.0250	5.00		94.0	70-130			
o-Xylene	4.44	0.0250	5.00		88.8	70-130			
p,m-Xylene	9.13	0.0500	10.0		91.3	70-130			
Total Xylenes	13.6	0.0250	15.0		90.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.46		8.00		93.3	70-130			

## Matrix Spike (2205067-MS1)

Source: E201142-01

Prepared: 01/28/22 Analyzed: 01/31/22

Benzene	4.57	0.0250	5.00	ND	91.3	54-133			
Ethylbenzene	4.73	0.0250	5.00	ND	94.5	61-133			
Toluene	4.91	0.0250	5.00	ND	98.3	61-130			
o-Xylene	4.67	0.0250	5.00	ND	93.3	63-131			
p,m-Xylene	9.58	0.0500	10.0	ND	95.8	63-131			
Total Xylenes	14.3	0.0250	15.0	ND	95.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.92		8.00		99.0	70-130			

## Matrix Spike Dup (2205067-MSD1)

Source: E201142-01

Prepared: 01/28/22 Analyzed: 01/31/22

Benzene	4.78	0.0250	5.00	ND	95.5	54-133	4.51	20	
Ethylbenzene	4.98	0.0250	5.00	ND	99.6	61-133	5.28	20	
Toluene	5.14	0.0250	5.00	ND	103	61-130	4.56	20	
o-Xylene	4.92	0.0250	5.00	ND	98.3	63-131	5.23	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	5.05	20	
Total Xylenes	15.0	0.0250	15.0	ND	100	63-131	5.11	20	
Surrogate: 4-Bromochlorobenzene-PID	7.93		8.00		99.2	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	2/3/2022 2:00:32PM

## 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
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## Blank (2205067-BLK1)

Prepared: 01/28/22 Analyzed: 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: 01/28/22 Analyzed: 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: 01/28/22 Analyzed: 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: 01/28/22 Analyzed: 01/31/22

Gasoline Range Organics (C6-C10)	50.4	20.0	50.0	ND	101	70-130	0.672	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.57		8.00		107	70-130			





## QC Summary Data

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

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

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2205060-BLK1)

Prepared: 01/28/22 Analyzed: 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: 01/28/22 Analyzed: 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: E201129-10

Prepared: 01/28/22 Analyzed: 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: E201129-10

Prepared: 01/28/22 Analyzed: 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			



## QC Summary Data

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

## Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2206010-BLK1)

Prepared: 02/01/22 Analyzed: 02/01/22

Chloride	ND	20.0
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## LCS (2206010-BS1)

Prepared: 02/01/22 Analyzed: 02/01/22

Chloride	246	20.0	250	98.4	90-110
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## Matrix Spike (2206010-MS1)

Source: E201129-01

Prepared: 02/01/22 Analyzed: 02/01/22

Chloride	278	20.0	250	33.2	97.9	80-120
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## Matrix Spike Dup (2206010-MSD1)

Source: E201129-01

Prepared: 02/01/22 Analyzed: 02/01/22

Chloride	288	20.0	250	33.2	102	80-120	3.69	20
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## QC Summary Report Comment:

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



Definitions and Notes

Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
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.



## Envirotech Analytical Laboratory

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

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Tap Rock	Date Received:	01/28/22 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)		

Chain of Custody (COC)

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

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

Carrier: CarrierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



Report to:  
Natalie Gladden



# 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

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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

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

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**Sample Summary**

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

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



## Sample Data

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

SP 7-19'

E201143-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.8 %	70-130		02/01/22	02/02/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY			Batch: 2206011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/01/22	02/02/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	96.7 %	70-130		02/01/22	02/02/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>	99.7 %	50-200		02/02/22	02/03/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY			Batch: 2206008
Chloride	68.3	20.0	1	02/01/22	02/01/22	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
2/7/2022 11:49:07AM

SP 12-22'

E201143-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.5 %	70-130		02/01/22	02/02/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2206011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/01/22	02/02/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.6 %	70-130		02/01/22	02/02/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	97.3 %	50-200		02/02/22	02/03/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2206008
Chloride	ND	20.0	1	02/01/22	02/01/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
2/7/2022 11:49:07AM

SP 13-22'

E201143-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.8 %	70-130		02/01/22	02/02/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2206011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/01/22	02/02/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.0 %	70-130		02/01/22	02/02/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	96.4 %	50-200		02/02/22	02/03/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2206008
Chloride	ND	20.0	1	02/01/22	02/01/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
2/7/2022 11:49:07AM

SP 14-19'

E201143-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.9 %	70-130		02/01/22	02/02/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2206011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/01/22	02/02/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.8 %	70-130		02/01/22	02/02/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	99.5 %	50-200		02/02/22	02/03/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2206008
Chloride	ND	20.0	1	02/01/22	02/01/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
2/7/2022 11:49:07AM

SP 16-9'

E201143-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.3 %	70-130		02/01/22	02/02/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2206011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/01/22	02/02/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.9 %	70-130		02/01/22	02/02/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	92.4 %	50-200		02/02/22	02/03/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2206008
Chloride	ND	20.0	1	02/01/22	02/01/22	



## 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	2/7/2022 11:49:07AM

## Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2206011-BLK1)

Prepared: 02/01/22 Analyzed: 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: 02/01/22 Analyzed: 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			
Toluene	4.29	0.0250	5.00		85.9	70-130			
o-Xylene	4.29	0.0250	5.00		85.8	70-130			
p,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: E201143-03

Prepared: 02/01/22 Analyzed: 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			
p,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: E201143-03

Prepared: 02/01/22 Analyzed: 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	
Toluene	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	
p,m-Xylene	9.19	0.0500	10.0	ND	91.9	63-131	0.0915	20	
Total 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			





## QC Summary Data

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

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2206011-BLK1)

Prepared: 02/01/22 Analyzed: 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: 02/01/22 Analyzed: 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: E201143-03

Prepared: 02/01/22 Analyzed: 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: E201143-03

Prepared: 02/01/22 Analyzed: 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			



## 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	2/7/2022 11:49:07AM

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

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2206027-BLK1)

Prepared: 02/02/22 Analyzed: 02/02/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	42.6		50.0		85.1	50-200			

## LCS (2206027-BS1)

Prepared: 02/02/22 Analyzed: 02/02/22

Diesel Range Organics (C10-C28)	485	25.0	500		97.0	38-132			
Surrogate: <i>n</i> -Nonane	43.7		50.0		87.4	50-200			

## Matrix Spike (2206027-MS1)

Source: E202006-03

Prepared: 02/02/22 Analyzed: 02/03/22

Diesel Range Organics (C10-C28)	531	25.0	500	ND	106	38-132			
Surrogate: <i>n</i> -Nonane	40.8		50.0		81.6	50-200			

## Matrix Spike Dup (2206027-MSD1)

Source: E202006-03

Prepared: 02/02/22 Analyzed: 02/03/22

Diesel Range Organics (C10-C28)	513	25.0	500	ND	103	38-132	3.37	20	
Surrogate: <i>n</i> -Nonane	45.7		50.0		91.3	50-200			



## QC Summary Data

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

## Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2206008-BLK1)

Prepared: 02/01/22 Analyzed: 02/01/22

Chloride ND 20.0

## LCS (2206008-BS1)

Prepared: 02/01/22 Analyzed: 02/01/22

Chloride 244 20.0 250 97.7 90-110

## Matrix Spike (2206008-MS1)

Source: E201096-01

Prepared: 02/01/22 Analyzed: 02/01/22

Chloride 385 20.0 250 160 90.0 80-120

## Matrix Spike Dup (2206008-MSD1)

Source: E201096-01

Prepared: 02/01/22 Analyzed: 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.







## Envirotech Analytical Laboratory

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

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

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

Carrier: CarrierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:  
Natalie Gladden



5796 U.S. Hwy 64  
Farmington, NM 87401

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



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Tap Rock

Project Name: 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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**Alexa Michaels**  
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**Rayny Hagan**  
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## Sample Summary

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

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP 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.





## Sample Data

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

## SP 5 - 3'

## E203019-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	84.3 %	70-130		03/03/22	03/03/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY			Batch: 2210041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/22	03/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	98.4 %	70-130		03/03/22	03/03/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>	85.6 %	50-200		03/03/22	03/03/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS			Batch: 2210042
Chloride	330	20.0	1	03/03/22	03/04/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
3/4/2022 1:51:32PM

## SP 8 - 3'

## E203019-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>91.3 %</i>	<i>70-130</i>		<i>03/03/22</i>	<i>03/03/22</i>	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2210041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/22	03/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>94.4 %</i>	<i>70-130</i>		<i>03/03/22</i>	<i>03/03/22</i>	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>	<i>86.7 %</i>	<i>50-200</i>		<i>03/03/22</i>	<i>03/03/22</i>	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2210042	
Chloride	499	20.0	1	03/03/22	03/03/22	



## Sample Data

Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
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
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	86.2 %	70-130		03/03/22	03/03/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2210041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/22	03/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	97.6 %	70-130		03/03/22	03/03/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>	89.6 %	50-200		03/03/22	03/03/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2210042	
Chloride	358	20.0	1	03/03/22	03/03/22	



## Sample Data

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

## SP 11 - 5'

## E203019-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	86.7 %	70-130		03/03/22	03/03/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2210041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/22	03/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	96.6 %	70-130		03/03/22	03/03/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>	97.2 %	50-200		03/03/22	03/03/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2210042	
Chloride	544	20.0	1	03/03/22	03/03/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
3/4/2022 1:51:32PM

SP 15 - 3'

E203019-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.0 %	70-130		03/03/22	03/03/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2210041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/22	03/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.0 %	70-130		03/03/22	03/03/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	98.9 %	50-200		03/03/22	03/03/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2210042
Chloride	466	20.0	1	03/03/22	03/03/22	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
3/4/2022 1:51:32PM

SP 17 - 9'

E203019-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.2 %	70-130		03/03/22	03/03/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2210041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/22	03/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.5 %	70-130		03/03/22	03/03/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		03/03/22	03/03/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2210042
Chloride	383	20.0	1	03/03/22	03/04/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
3/4/2022 1:51:32PM

## SP 9 - 3'

## E203019-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.0 %	70-130		03/03/22	03/03/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2210041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/22	03/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.8 %	70-130		03/03/22	03/03/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		03/03/22	03/03/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2210042
Chloride	406	20.0	1	03/03/22	03/04/22	



## 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	3/4/2022 1:51:32PM

## Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2210041-BLK1)

Prepared: 03/03/22 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: 03/03/22 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: E203019-01

Prepared: 03/03/22 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: E203019-01

Prepared: 03/03/22 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	
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.6	70-130			



## QC Summary Data

Tap Rock	Project Name:	Contest 211 H	<b>Reported:</b>
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	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
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## Blank (2210041-BLK1)

Prepared: 03/03/22 Analyzed: 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: 03/03/22 Analyzed: 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: E203019-01

Prepared: 03/03/22 Analyzed: 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: E203019-01

Prepared: 03/03/22 Analyzed: 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			



## 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	3/4/2022 1:51:32PM

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

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2210048-BLK1)

Prepared: 03/03/22 Analyzed: 03/03/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	58.2		50.0		116	50-200			

## LCS (2210048-BS1)

Prepared: 03/03/22 Analyzed: 03/03/22

Diesel Range Organics (C10-C28)	482	25.0	500		96.4	38-132			
Surrogate: <i>n</i> -Nonane	49.7		50.0		99.4	50-200			

## Matrix Spike (2210048-MS1)

Source: E203018-02

Prepared: 03/03/22 Analyzed: 03/03/22

Diesel Range Organics (C10-C28)	488	25.0	500	ND	97.5	38-132			
Surrogate: <i>n</i> -Nonane	53.7		50.0		107	50-200			

## Matrix Spike Dup (2210048-MSD1)

Source: E203018-02

Prepared: 03/03/22 Analyzed: 03/03/22

Diesel Range Organics (C10-C28)	502	25.0	500	ND	100	38-132	2.89	20	
Surrogate: <i>n</i> -Nonane	56.8		50.0		114	50-200			





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	3/4/2022 1:51:32PM

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2210042-BLK1)					Prepared: 03/03/22 Analyzed: 03/04/22				
Chloride	ND	20.0							
LCS (2210042-BS1)					Prepared: 03/03/22 Analyzed: 03/04/22				
Chloride	247	20.0	250		98.8	90-110			
Matrix Spike (2210042-MS1)					Source: E203012-01		Prepared: 03/03/22 Analyzed: 03/04/22		
Chloride	296	20.0	250	40.4	102	80-120			
Matrix Spike Dup (2210042-MSD1)					Source: E203012-01		Prepared: 03/03/22 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

Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
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.



## Project Information

## Chain of Custody

Page 1 of 1

Client: <u>TADROCK</u>		Bill To: <u>FSS</u>		Lab Use Only		TAT		EPA Program					
Project: <u>CONTEST 21H</u>		Attention: <u>FSS</u>		Lab WO# <u>E 203019</u>		Job Number <u>20046-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager:		Address: <u>2724 W. COUNTY RD</u>		Analysis and Method		DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0		NM CO UT AZ TX X		State NM CO UT AZ TX		RCRA	
Address:		City, State, Zip: <u>HOBBBS N.M. 88240</u>											
City, State, Zip		Phone: <u>575 390 6397</u>											
Phone:		Email: <u>NATALIE GLADSON</u>											
Email:													
Report due by:													

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks
7:00	3-2-22	S	1	SP 5-3-	1	
7:10				SP 8-3-	2	
7:20				SP 10-3-	3	
7:30				SP 11-5-	4	
7:35				SP 15-3-	5	
7:45				SP 17-9-	6	
7:15				SP 4-3-	7	

**Additional Instructions:**

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

Relinquished by: (Signature) [Signature] Date 3-2-22 Time 14:03

Received by: (Signature) [Signature] Date 3-2-22 Time 1403

Relinquished by: (Signature) [Signature] Date 3-2-22 Time 1530

Received by: (Signature) [Signature] Date 3/3/22 Time 13:10

Relinquished by: (Signature) [Signature] Date 3-2-22 Time 1530

Received by: (Signature) [Signature] Date 3/3/22 Time 13:10

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

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

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



## Envirotech Analytical Laboratory

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

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Tap Rock	Date Received:	03/03/22 13:10	Work Order ID:	E203019
Phone:	(575) 390-6397	Date Logged In:	03/02/22 15:55	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	03/03/22 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: UPSComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

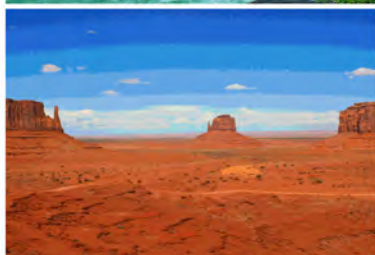
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Natalie Gladden



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Tap Rock

Project Name: 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

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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

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

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

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

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## Sample Summary

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

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP 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.



## Sample Data

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

## SP 7 B - 5'

## E206156-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	84.1 %	70-130		06/22/22	06/22/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2226061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/22/22	06/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	87.9 %	70-130		06/22/22	06/22/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>	103 %	50-200		06/22/22	06/22/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: KL		Batch: 2226063
Chloride	8400	400	20	06/22/22	06/23/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211H Frak Line  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
6/23/2022 5:45:19PM

## SP 7 B - 10'

## E206156-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.2 %	70-130		06/22/22	06/22/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2226061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/22/22	06/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.0 %	70-130		06/22/22	06/22/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	114 %	50-200		06/22/22	06/22/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226063
Chloride	8370	400	20	06/22/22	06/23/22	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211H Frak Line  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
6/23/2022 5:45:19PM

## SP 7 B - 15'

## E206156-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: 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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	84.5 %	70-130		06/22/22	06/22/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226063
Chloride	371	40.0	2	06/22/22	06/23/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211H Frak Line  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
6/23/2022 5:45:19PM

## SP 14 B - 5'

## E206156-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.4 %	70-130		06/22/22	06/22/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2226061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/22/22	06/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.3 %	70-130		06/22/22	06/22/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		06/22/22	06/23/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226063
Chloride	4860	400	20	06/22/22	06/23/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211H Frak Line  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
6/23/2022 5:45:19PM

## SP 14 B - 10'

## E206156-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.6 %	70-130		06/22/22	06/22/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2226061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/22/22	06/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.4 %	70-130		06/22/22	06/22/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	97.2 %	50-200		06/22/22	06/23/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226063
Chloride	3530	40.0	2	06/22/22	06/23/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211H Frak Line  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
6/23/2022 5:45:19PM

## SP 14 B - 15'

## E206156-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.9 %	70-130		06/22/22	06/22/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2226061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/22/22	06/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.3 %	70-130		06/22/22	06/22/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	97.5 %	50-200		06/22/22	06/23/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226063
Chloride	1390	40.0	2	06/22/22	06/23/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211H Frak Line  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
6/23/2022 5:45:19PM

## SP 16 B - 5'

## E206156-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.0 %	70-130		06/22/22	06/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2226061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/22/22	06/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.1 %	70-130		06/22/22	06/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	92.6 %	50-200		06/22/22	06/23/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226063
Chloride	3840	40.0	2	06/22/22	06/23/22	



## Sample Data

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

## SP 17 B - 5'

## E206156-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		87.2 %	70-130	06/22/22	06/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2226061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/22/22	06/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.6 %	70-130	06/22/22	06/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>		111 %	50-200	06/22/22	06/23/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: KL		Batch: 2226063
Chloride	9070	400	20	06/22/22	06/23/22	





## QC Summary Data

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

## Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2226061-BLK1)

Prepared: 06/22/22 Analyzed: 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: 4-Bromochlorobenzene-PID	7.24		8.00		90.5	70-130			

## LCS (2226061-BS1)

Prepared: 06/22/22 Analyzed: 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			
o-Xylene	4.95	0.0250	5.00		99.0	70-130			
p,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-BS1)

Prepared: 06/22/22 Analyzed: 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	
p,m-Xylene	10.0	0.0500	10.0		100	70-130	2.11	20	
Total Xylenes	15.1	0.0250	15.0		101	70-130	2.12	20	
Surrogate: 4-Bromochlorobenzene-PID	7.35		8.00		91.9	70-130			



## QC Summary Data

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

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2226061-BLK1)

Prepared: 06/22/22 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: 06/22/22 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: 06/22/22 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			



## QC Summary Data

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

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

Analyst: AK

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2226058-BLK1)

Prepared: 06/22/22 Analyzed: 06/22/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	72.0		50.0		144	50-200			

## LCS (2226058-BS1)

Prepared: 06/22/22 Analyzed: 06/22/22

Diesel Range Organics (C10-C28)	557	25.0	500		111	38-132			
Surrogate: <i>n</i> -Nonane	52.8		50.0		106	50-200			

## Matrix Spike (2226058-MS1)

Source: E206156-01

Prepared: 06/22/22 Analyzed: 06/22/22

Diesel Range Organics (C10-C28)	527	25.0	500	ND	105	38-132			
Surrogate: <i>n</i> -Nonane	49.3		50.0		98.6	50-200			

## Matrix Spike Dup (2226058-MSD1)

Source: E206156-01

Prepared: 06/22/22 Analyzed: 06/22/22

Diesel Range Organics (C10-C28)	548	25.0	500	ND	110	38-132	3.93	20	
Surrogate: <i>n</i> -Nonane	54.2		50.0		108	50-200			



## QC Summary Data

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

## Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2226063-BLK1)

Prepared: 06/22/22 Analyzed: 06/22/22

Chloride ND 20.0

## LCS (2226063-BS1)

Prepared: 06/22/22 Analyzed: 06/22/22

Chloride 250 20.0 250 99.9 90-110

## Matrix Spike (2226063-MS1)

Source: E206155-01

Prepared: 06/22/22 Analyzed: 06/22/22

Chloride 248 20.0 250 ND 99.3 80-120

## Matrix Spike Dup (2226063-MSD1)

Source: E206155-01

Prepared: 06/22/22 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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## Envirotech Analytical Laboratory

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

## 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 Order ID:	E206156
Phone:	(575) 390-6397	Date Logged In:	06/22/22 08:32	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	06/23/22 17:00 (1 day TAT)		

Chain of Custody (COC)

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

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

Carrier: UPSComments/Resolution

Time sampled and project manager not provided on COC.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:  
Natalie Gladden



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Tap Rock

Project Name: 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

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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

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

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## Sample Summary

Tap Rock	Project Name:	Contest 211H Frak Line	Reported:
7 W. Compress Road	Project Number:	20046-0001	
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.





## Sample Data

Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Number: Project Manager:	Contest 211H Frak Line 20046-0001 Natalie Gladden	<b>Reported:</b> 6/24/2022 5:16:04PM
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## SP 2 B - 5'

## E206157-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	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	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	114 %	50-200		06/22/22	06/22/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226064
Chloride	ND	20.0	1	06/22/22	06/23/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211H Frak Line  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
6/24/2022 5:16:04PM

## SP 2 B - 10'

## E206157-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	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	93.6 %	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226064
Chloride	156	20.0	1	06/22/22	06/23/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211H Frak Line  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
6/24/2022 5:16:04PM

## SP 3 B - 5'

## E206157-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	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	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	96.8 %	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	106 %	50-200		06/22/22	06/22/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226064
Chloride	ND	20.0	1	06/22/22	06/23/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211H Frak Line  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
6/24/2022 5:16:04PM

## SP 3 B - 10'

## E206157-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	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	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	96.8 %	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	106 %	50-200		06/22/22	06/23/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226064
Chloride	990	400	20	06/22/22	06/23/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211H Frak Line  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
6/24/2022 5:16:04PM

## SP 3 B - 15'

## E206157-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	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	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	132 %	50-200		06/22/22	06/23/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226064
Chloride	8310	400	20	06/22/22	06/23/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211H Frak Line  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
6/24/2022 5:16:04PM

## SP 4 B - 5'

## E206157-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	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	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	112 %	50-200		06/22/22	06/23/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226064
Chloride	7970	400	20	06/22/22	06/23/22	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211H Frak Line  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
6/24/2022 5:16:04PM

## SP 4 B - 10'

## E206157-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	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	94.4 %	70-130		06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130		06/22/22	06/23/22	
Surrogate: Toluene-d8	93.9 %	70-130		06/22/22	06/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	94.4 %	70-130		06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130		06/22/22	06/23/22	
Surrogate: Toluene-d8	93.9 %	70-130		06/22/22	06/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	131 %	50-200		06/22/22	06/23/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226064
Chloride	7380	400	20	06/22/22	06/24/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211H Frak Line  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
6/24/2022 5:16:04PM

## SP 4 B - 15'

## E206157-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	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	96.7 %	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	96.8 %	70-130		06/22/22	06/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	96.7 %	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	96.8 %	70-130		06/22/22	06/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	102 %	50-200		06/22/22	06/23/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226064
Chloride	7320	400	20	06/22/22	06/24/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211H Frak Line  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
6/24/2022 5:16:04PM

## SP 4 B - 20'

## E206157-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	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	95.7 %	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	95.7 %	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	123 %	50-200		06/22/22	06/23/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226064
Chloride	3330	400	20	06/22/22	06/24/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211H Frak Line  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
6/24/2022 5:16:04PM

## SP 6 B - 5'

## E206157-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	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	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	98.5 %	50-200		06/22/22	06/23/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226064
Chloride	7230	400	20	06/22/22	06/24/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211H Frak Line  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
6/24/2022 5:16:04PM

## SP 6 B - 10'

## E206157-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	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	95.1 %	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	95.1 %	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	107 %	50-200		06/22/22	06/23/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226064
Chloride	7510	400	20	06/22/22	06/24/22	



## Sample Data

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

## SP 6 B - 15'

## E206157-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	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	
<i>Surrogate: Bromofluorobenzene</i>	94.0 %	70-130		06/22/22	06/23/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	106 %	70-130		06/22/22	06/23/22	
<i>Surrogate: Toluene-d8</i>	95.2 %	70-130		06/22/22	06/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2226062
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/22/22	06/23/22	
<i>Surrogate: Bromofluorobenzene</i>	94.0 %	70-130		06/22/22	06/23/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	106 %	70-130		06/22/22	06/23/22	
<i>Surrogate: Toluene-d8</i>	95.2 %	70-130		06/22/22	06/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>	103 %	50-200		06/22/22	06/23/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: KL		Batch: 2226064
Chloride	7030	400	20	06/22/22	06/24/22	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211H Frak Line  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
6/24/2022 5:16:04PM

## SP 6 B - 20'

## E206157-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226064
Chloride	1410	400	20	06/22/22	06/24/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211H Frak Line  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
6/24/2022 5:16:04PM

## SP 12 B -5'

## E206157-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	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	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	94.2 %	50-200		06/22/22	06/23/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226064
Chloride	8480	400	20	06/22/22	06/24/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211H Frak Line  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
6/24/2022 5:16:04PM

## SP 12 B - 10'

## E206157-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	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	95.4 %	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	95.4 %	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	106 %	50-200		06/22/22	06/23/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226064
Chloride	7010	400	20	06/22/22	06/24/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211H Frak Line  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
6/24/2022 5:16:04PM

## SP 12 B - 15'

## E206157-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	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	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	102 %	50-200		06/22/22	06/23/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226064
Chloride	1720	100	5	06/22/22	06/24/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211H Frak Line  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
6/24/2022 5:16:04PM

## SP 12 B - 18'

## E206157-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	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	93.6 %	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	101 %	70-130		06/22/22	06/23/22	
Surrogate: Toluene-d8	95.4 %	70-130		06/22/22	06/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: 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	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226064
Chloride	774	20.0	1	06/22/22	06/24/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211H Frak Line  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
6/24/2022 5:16:04PM

## SP 13 B - 5'

## E206157-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	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	93.0 %	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	93.0 %	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	104 %	50-200		06/22/22	06/23/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226064
Chloride	6720	200	10	06/22/22	06/24/22	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211H Frak Line  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
6/24/2022 5:16:04PM

## SP 13 B - 10'

## E206157-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	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	92.5 %	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	95.2 %	70-130		06/22/22	06/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	92.5 %	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	95.2 %	70-130		06/22/22	06/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	117 %	50-200		06/22/22	06/23/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226064
Chloride	20.0	20.0	1	06/22/22	06/24/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211H Frak Line  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
6/24/2022 5:16:04PM

## SP 13 B - 18'

## E206157-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226064
Chloride	803	20.0	1	06/22/22	06/24/22	



## QC Summary Data

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

## Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2226062-BLK1)

Prepared: 06/22/22 Analyzed: 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: 06/22/22 Analyzed: 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: 06/22/22 Analyzed: 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	
p,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			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			



## QC Summary Data

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

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2226062-BLK1)

Prepared: 06/22/22 Analyzed: 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 Analyzed: 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 Analyzed: 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			



## QC Summary Data

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

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

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2226057-BLK1)

Prepared: 06/22/22 Analyzed: 06/22/22

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

## LCS (2226057-BS1)

Prepared: 06/22/22 Analyzed: 06/22/22

Diesel Range Organics (C10-C28)	520	25.0	500		104	38-132			
Surrogate: n-Nonane	52.2		50.0		104	50-200			

## Matrix Spike (2226057-MS1)

Source: E206157-05

Prepared: 06/22/22 Analyzed: 06/22/22

Diesel Range Organics (C10-C28)	542	25.0	500	ND	108	38-132			
Surrogate: n-Nonane	50.2		50.0		100	50-200			

## Matrix Spike Dup (2226057-MSD1)

Source: E206157-05

Prepared: 06/22/22 Analyzed: 06/22/22

Diesel Range Organics (C10-C28)	565	25.0	500	ND	113	38-132	4.21	20	
Surrogate: n-Nonane	37.2		50.0		74.5	50-200			



## QC Summary Data

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

## Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2226064-BLK1)

Prepared: 06/22/22 Analyzed: 06/23/22

Chloride ND 20.0

## LCS (2226064-BS1)

Prepared: 06/22/22 Analyzed: 06/23/22

Chloride 264 20.0 250 106 90-110

## Matrix Spike (2226064-MS1)

Source: E206157-01

Prepared: 06/22/22 Analyzed: 06/23/22

Chloride 268 20.0 250 ND 107 80-120

## Matrix Spike Dup (2226064-MSD1)

Source: E206157-01

Prepared: 06/22/22 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.



Refused to Imaging: 3/14/2023 10:35:27 AM

Received by OCD: 3/14/2023 8:36:39 AM

Project Information

Chain of Custody

Client: TAPROCK  
Project: CONTEST 211H PARKVIEW  
Project Manager: \_\_\_\_\_  
Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Email: \_\_\_\_\_  
Report due by: \_\_\_\_\_

Bill To  
Attention: ESS  
Address: 2724 W COUNTY RD  
City, State, Zip: HOBBS NM 88240  
Phone: 575 390-6397  
Email: NATALIE GLADSON

Lab Use Only				TAT			EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA	
<u>E200157</u>	<u>200401001</u>		<u>X</u>					
Analysis and Method						RCRA		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	State	Remarks
	<u>6/17/22</u>	<u>S</u>	<u>1</u>	<u>SP 2B-5'</u>	<u>1</u>							<u>X</u>			
				<u>SP 2B-10'</u>	<u>2</u>										
				<u>SP 3B-5'</u>	<u>3</u>										
				<u>SP 3B-10'</u>	<u>4</u>										
				<u>SP 3B-15'</u>	<u>5</u>										
				<u>SP 4B-5'</u>	<u>6</u>										
				<u>SP 4B-10'</u>	<u>7</u>										
				<u>SP 4B-15'</u>	<u>8</u>										
				<u>SP 4B-20'</u>	<u>9</u>										
				<u>SP 6B-5'</u>	<u>10</u>										

Additional Instructions:

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only		
<u>[Signature]</u>	<u>6/17/22</u>		<u>[Signature]</u>	<u>6-21-22</u>	<u>3:45</u>	Received on ice: <u>(Y) N</u>		
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1	T2	T3
<u>[Signature]</u>	<u>6-21-22</u>	<u>4:15</u>	<u>[Signature]</u>	<u>6-22-22</u>	<u>10:15</u>			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	AVG Temp °C <u>4</u>		

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_  
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA  
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



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## Project Information

## Chain of Custody

Page 2 of 2

Client: <u>TAPROCK</u> Project: <u>CONTEST 211H PARK LANE</u> Project Manager: _____ Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ Report due by: _____					Bill To Attention: <u>ESS</u> Address: <u>2724 W. COUNTY RD</u> City, State, Zip: <u>HOBBS NM 88240</u> Phone: <u>575 390-6397</u> Email: <u>NATALIE GARDEN</u>					Lab Use Only						TAT				EPA Program	
										Lab WO#			Job Number			1D	2D	3D	Standard	CWA	SDWA
										<u>E2060157</u>			<u>20046-001</u>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
										Analysis and Method											
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX	State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>						
															Remarks						
	<u>6/17/22</u>	<u>S</u>	<u>1</u>	<u>SP 6B-10-</u>	<u>11</u>								<input checked="" type="checkbox"/>								
				<u>SP 6B-15-</u>	<u>12</u>																
				<u>SP 6B-20-</u>	<u>13</u>																
				<u>SP 12 B-5-</u>	<u>14</u>																
				<u>SP 12 B-10-</u>	<u>15</u>																
				<u>SP 12 B-15-</u>	<u>16</u>																
				<u>SP 12 B-18-</u>	<u>17</u>																
				<u>SP 13 B-5-</u>	<u>18</u>																
				<u>SP 13 B-10-</u>	<u>19</u>																
				<u>SP 13 B-18-</u>	<u>20</u>																
Additional Instructions:																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>													
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					

## Envirotech Analytical Laboratory

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

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Tap Rock	Date Received:	06/22/22 10:15	Work Order ID:	E206157
Phone:	(575) 390-6397	Date Logged In:	06/22/22 08:35	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	06/23/22 17:00 (1 day TAT)		

Chain of Custody (COC)

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

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

Carrier: UPSComments/Resolution

Time sampled and project manager not provided on COC.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

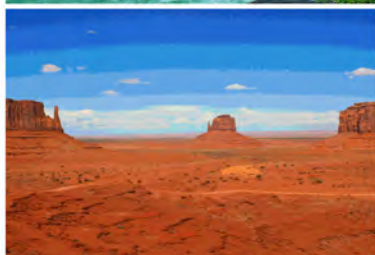
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Natalie Gladden



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Tap Rock

Project Name: Contest 211 H

Work Order: E208157

Job Number: 20046-0001

Received: 8/29/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
8/31/22

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 8/31/22

Natalie Gladden  
7 W. Compress Road  
Artesia, NM 88210



Project Name: Contest 211 H  
Workorder: E208157  
Date Received: 8/29/2022 10:30:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/29/2022 10:30:00AM, 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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

Field Offices:

**Southern New Mexico Area**  
**Lynn Jarboe**  
Technical Representative/Client Services  
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Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

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

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



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## Sample Summary

Tap Rock	Project Name:	Contest 211 H	<b>Reported:</b> 08/31/22 09:15
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP1 - Comp	E208157-01A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
SP2 - Comp	E208157-02A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
SP3 - Comp	E208157-03A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
SP4 - Comp	E208157-04A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
SP5 - Comp	E208157-05A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
SP6 - Comp	E208157-06A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
SP7 - Comp	E208157-07A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
SP8 - Comp	E208157-08A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
SP9 - Comp	E208157-09A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
SP10 - Comp	E208157-10A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
SP11 - Comp	E208157-11A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
SP12 - Comp	E208157-12A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
SP13 - Comp	E208157-13A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
SP14 - Comp	E208157-14A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
SP15 - Comp	E208157-15A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
SP16 - Comp	E208157-16A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
SP17 - Comp	E208157-17A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
SW1 - Comp	E208157-18A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
SW2 - Comp	E208157-19A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
SW3 - Comp	E208157-20A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.



## Sample Data

Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Contest 211 H Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 8/31/2022 9:15:01AM
---	---	---

## SP1 - Comp

E208157-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	102 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	99.1 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	104 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	102 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	99.1 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	104 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2236004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/29/22	
Surrogate: n-Nonane	87.3 %	50-200		08/29/22	08/29/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236012
Chloride	477	20.0	1	08/29/22	08/30/22	



## Sample Data

Tap Rock	Project Name:	Contest 211 H	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	8/31/2022 9:15:01AM

## SP2 - Comp

## E208157-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		101 %	70-130	08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	08/29/22	08/30/22	
Surrogate: Toluene-d8		103 %	70-130	08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		101 %	70-130	08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	08/29/22	08/30/22	
Surrogate: Toluene-d8		103 %	70-130	08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2236004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/29/22	
Surrogate: n-Nonane		97.5 %	50-200	08/29/22	08/29/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236012
Chloride	2990	20.0	1	08/29/22	08/30/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
8/31/2022 9:15:01AM

## SP3 - Comp

## E208157-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		100 %	70-130	08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	08/29/22	08/30/22	
Surrogate: Toluene-d8		101 %	70-130	08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		100 %	70-130	08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	08/29/22	08/30/22	
Surrogate: Toluene-d8		101 %	70-130	08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2236004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/29/22	
Surrogate: n-Nonane		84.6 %	50-200	08/29/22	08/29/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236012
Chloride	4210	40.0	2	08/29/22	08/30/22	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
8/31/2022 9:15:01AM

## SP4 - Comp

## E208157-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2236009	
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		101 %	70-130	08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	08/29/22	08/30/22	
Surrogate: Toluene-d8		104 %	70-130	08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2236009	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		101 %	70-130	08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	08/29/22	08/30/22	
Surrogate: Toluene-d8		104 %	70-130	08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2236004	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/29/22	
Surrogate: n-Nonane		90.2 %	50-200	08/29/22	08/29/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2236012	
Chloride	5300	40.0	2	08/29/22	08/30/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
8/31/2022 9:15:01AM

## SP5 - Comp

## E208157-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	99.2 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	96.5 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	100 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	99.2 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	96.5 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	100 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2236004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/29/22	
Surrogate: n-Nonane	90.7 %	50-200		08/29/22	08/29/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236012
Chloride	191	20.0	1	08/29/22	08/30/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
8/31/2022 9:15:01AM

## SP6 - Comp

## E208157-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		101 %	70-130	08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	08/29/22	08/30/22	
Surrogate: Toluene-d8		101 %	70-130	08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		101 %	70-130	08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	08/29/22	08/30/22	
Surrogate: Toluene-d8		101 %	70-130	08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2236004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/29/22	
Surrogate: n-Nonane		86.1 %	50-200	08/29/22	08/29/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236012
Chloride	3840	40.0	2	08/29/22	08/30/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
8/31/2022 9:15:01AM

## SP7 - Comp

## E208157-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	94.4 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	98.4 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	94.4 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	98.4 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2236004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/29/22	
Surrogate: n-Nonane	95.3 %	50-200		08/29/22	08/29/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236012
Chloride	5120	40.0	2	08/29/22	08/30/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
8/31/2022 9:15:01AM

## SP8 - Comp

## E208157-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	93.3 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	96.8 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	93.3 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	96.8 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2236004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/29/22	
Surrogate: n-Nonane	106 %	50-200		08/29/22	08/29/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236012
Chloride	395	20.0	1	08/29/22	08/30/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
8/31/2022 9:15:01AM

## SP9 - Comp

## E208157-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	99.2 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	99.9 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	99.2 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	99.9 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2236004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/30/22	
Surrogate: n-Nonane	98.8 %	50-200		08/29/22	08/30/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236012
Chloride	62.7	20.0	1	08/29/22	08/30/22	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
8/31/2022 9:15:01AM

## SP10 - Comp

## E208157-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		103 %	70-130	08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	08/29/22	08/30/22	
Surrogate: Toluene-d8		101 %	70-130	08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		103 %	70-130	08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	08/29/22	08/30/22	
Surrogate: Toluene-d8		101 %	70-130	08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2236004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/30/22	
Surrogate: n-Nonane		99.8 %	50-200	08/29/22	08/30/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236012
Chloride	598	20.0	1	08/29/22	08/30/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
8/31/2022 9:15:01AM

## SP11 - Comp

## E208157-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	93.1 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	95.2 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	100 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	93.1 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	95.2 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	100 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2236004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/30/22	
Surrogate: n-Nonane	111 %	50-200		08/29/22	08/30/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236012
Chloride	506	20.0	1	08/29/22	08/30/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
8/31/2022 9:15:01AM

## SP12 - Comp

## E208157-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	94.0 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	100 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	94.0 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	100 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2236004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/30/22	
Surrogate: n-Nonane	122 %	50-200		08/29/22	08/30/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236012
Chloride	6640	40.0	2	08/29/22	08/30/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
8/31/2022 9:15:01AM

## SP13 - Comp

## E208157-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	93.8 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	99.6 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	93.8 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	99.6 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2236004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/30/22	
Surrogate: n-Nonane	103 %	50-200		08/29/22	08/30/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236012
Chloride	1490	20.0	1	08/29/22	08/30/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
8/31/2022 9:15:01AM

## SP14 - Comp

## E208157-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2236009	
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	90.9 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	98.2 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2236009	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	90.9 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	98.2 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2236004	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/30/22	
Surrogate: n-Nonane	91.5 %	50-200		08/29/22	08/30/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2236012	
Chloride	3120	40.0	2	08/29/22	08/30/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
8/31/2022 9:15:01AM

## SP15 - Comp

## E208157-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	92.5 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	99.9 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	92.5 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	99.9 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2236004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/30/22	
Surrogate: n-Nonane	113 %	50-200		08/29/22	08/30/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236012
Chloride	459	20.0	1	08/29/22	08/30/22	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
8/31/2022 9:15:01AM

## SP16 - Comp

## E208157-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	91.8 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	96.5 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	99.2 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	91.8 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	96.5 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	99.2 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2236004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/30/22	
Surrogate: n-Nonane	118 %	50-200		08/29/22	08/30/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236012
Chloride	1010	20.0	1	08/29/22	08/30/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
8/31/2022 9:15:01AM

## SP17 - Comp

## E208157-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	90.9 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	98.6 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	90.9 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	98.6 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2236004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/30/22	
Surrogate: n-Nonane	124 %	50-200		08/29/22	08/30/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236012
Chloride	7380	40.0	2	08/29/22	08/30/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
8/31/2022 9:15:01AM

## SW1 - Comp

## E208157-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	93.1 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	96.4 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	97.8 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	93.1 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	96.4 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	97.8 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2236004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/30/22	
Surrogate: n-Nonane	96.0 %	50-200		08/29/22	08/30/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236012
Chloride	1110	20.0	1	08/29/22	08/30/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
8/31/2022 9:15:01AM

## SW2 - Comp

## E208157-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	92.9 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	96.5 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	92.9 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	96.5 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2236004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/30/22	
Surrogate: n-Nonane	102 %	50-200		08/29/22	08/30/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236012
Chloride	310	20.0	1	08/29/22	08/30/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
8/31/2022 9:15:01AM

## SW3 - Comp

## E208157-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	93.0 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	96.1 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	98.7 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236009
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	93.0 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	96.1 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	98.7 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2236004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/30/22	
Surrogate: n-Nonane	101 %	50-200		08/29/22	08/30/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236012
Chloride	980	20.0	1	08/29/22	08/30/22	



## 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	8/31/2022 9:15:01AM

## Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2236009-BLK1)

Prepared: 08/29/22 Analyzed: 08/30/22

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	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.2	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			

## LCS (2236009-BS1)

Prepared: 08/29/22 Analyzed: 08/30/22

Benzene	2.22	0.0250	2.50		88.9	70-130			
Ethylbenzene	2.31	0.0250	2.50		92.6	70-130			
Toluene	2.27	0.0250	2.50		90.9	70-130			
o-Xylene	2.14	0.0250	2.50		85.5	70-130			
p,m-Xylene	4.23	0.0500	5.00		84.5	70-130			
Total Xylenes	6.36	0.0250	7.50		84.8	70-130			
Surrogate: Bromofluorobenzene	0.512		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

## LCS Dup (2236009-BSD1)

Prepared: 08/29/22 Analyzed: 08/30/22

Benzene	2.06	0.0250	2.50		82.6	70-130	7.40	23	
Ethylbenzene	2.14	0.0250	2.50		85.6	70-130	7.81	27	
Toluene	2.05	0.0250	2.50		81.8	70-130	10.5	24	
o-Xylene	2.01	0.0250	2.50		80.5	70-130	6.05	27	
p,m-Xylene	3.94	0.0500	5.00		78.7	70-130	7.07	27	
Total Xylenes	5.95	0.0250	7.50		79.3	70-130	6.72	27	
Surrogate: Bromofluorobenzene	0.498		0.500		99.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	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	8/31/2022 9:15:01AM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2236009-BLK1)

Prepared: 08/29/22 Analyzed: 08/30/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.2	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			

## LCS (2236009-BS2)

Prepared: 08/29/22 Analyzed: 08/30/22

Gasoline Range Organics (C6-C10)	53.0	20.0	50.0		106	70-130			
Surrogate: Bromofluorobenzene	0.497		0.500		99.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.4	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

## LCS Dup (2236009-BSD2)

Prepared: 08/29/22 Analyzed: 08/30/22

Gasoline Range Organics (C6-C10)	53.4	20.0	50.0		107	70-130	0.674	20	
Surrogate: Bromofluorobenzene	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	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	8/31/2022 9:15:01AM

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

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2236004-BLK1)

Prepared: 08/29/22 Analyzed: 08/29/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.2		50.0		110	50-200			

## LCS (2236004-BS1)

Prepared: 08/29/22 Analyzed: 08/29/22

Diesel Range Organics (C10-C28)	234	25.0	250		93.6	38-132			
Surrogate: n-Nonane	46.5		50.0		93.1	50-200			

## Matrix Spike (2236004-MS1)

Source: E208157-14

Prepared: 08/29/22 Analyzed: 08/29/22

Diesel Range Organics (C10-C28)	238	25.0	250	ND	95.3	38-132			
Surrogate: n-Nonane	45.3		50.0		90.6	50-200			

## Matrix Spike Dup (2236004-MSD1)

Source: E208157-14

Prepared: 08/29/22 Analyzed: 08/29/22

Diesel Range Organics (C10-C28)	236	25.0	250	ND	94.5	38-132	0.846	20	
Surrogate: n-Nonane	45.4		50.0		90.9	50-200			



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	8/31/2022 9:15:01AM

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2236012-BLK1)					Prepared: 08/29/22 Analyzed: 08/29/22				
Chloride	ND	20.0							
LCS (2236012-BS1)					Prepared: 08/29/22 Analyzed: 08/29/22				
Chloride	247	20.0	250		98.7	90-110			
LCS Dup (2236012-BSD1)					Prepared: 08/29/22 Analyzed: 08/30/22				
Chloride	246	20.0	250		98.5	90-110	0.201	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	08/31/22 09:15

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

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

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

Released To: Imaging: 3/14/2023 10:35:27 AM

Received by OCD: 3/14/2023 8:36:39 AM

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Project Information

Chain of Custody

Page 1 of 4

Client: TOP ROCK  
Project: Contest 211H  
Project Manager:  
Address:  
City, State, Zip  
Phone:  
Email:  
Report due by:

Bill To  
Attention: ESS  
Address: 2724 NW COUNTY ROAD  
City, State, Zip HOBBS, NM 88240  
Phone: 575-393-9048  
EMAIL TO: Natalie@energystaffingllc.com  
Dakoatah@energystaffingllc.com

Lab Use Only		TAT			EPA Program		
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
<u>E208157</u>	<u>50046-0001</u>		<u>X</u>				
Analysis and Method							
DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX
						<u>X</u>	

State				
NM	CO	UT	AZ	TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
		<u>S</u>	<u>1</u>	<u>SP 1</u>	<u>1</u>							<u>X</u>		
				<u>SP 2</u>	<u>2</u>									
				<u>SP 3</u>	<u>3</u>									
				<u>SP 4</u>	<u>4</u>									
				<u>SP 5</u>	<u>5</u>									
				<u>SP 6</u>	<u>6</u>									
				<u>SP 7</u>	<u>7</u>									
				<u>SP 8</u>	<u>8</u>									
				<u>SP 9</u>	<u>9</u>									
				<u>SP 10</u>	<u>10</u>									

Additional Instructions:

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

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

Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only	
<u>[Signature]</u>		<u>8-28-22</u>		<u>[Signature]</u>		<u>8-28-22</u>	<u>3:00</u>	Received on ice: <u>Y / N</u>	
<u>[Signature]</u>		<u>8-28-22</u>	<u>4:16</u>	<u>[Signature]</u>		<u>8/29/22</u>	<u>10:30</u>	T1 _____ T2 _____ T3 _____	
<u>[Signature]</u>				<u>[Signature]</u>				AVG Temp °C <u>4</u>	

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

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



Released to Imaging: 3/14/2023 10:35:27 AM

Received by OCD: 3/14/2023 8:36:39 AM

Project Information

Chain of Custody

Client: TAP ROCK  
Project: Contest 2114  
Project Manager:  
Address:  
City, State, Zip:  
Phone:  
Email:  
Report due by:

Bill To  
Attention: ESS  
Address: 2724 NW COUNTY ROAD  
City, State, Zip: HOBBS, NM 88240  
Phone: 575-393-9048  
EMAIL TO: Natalie@energystaffingllc.com  
Dakoatah@energystaffingllc.com

Lab Use Only				TAT				EPA Program	
Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA
E208157		20046-0001			X				
Analysis and Method								RCRA	
DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	State	
								NM	CO
								UT	AZ
								TX	
Remarks									

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number
		S	1	SP 11	11
				SP 12	12
				SP 13	13
				SP 14	14
				SP 15	15
				SP 16	16
				SP 17	17
				SP SW1	18
				SP SW2	19
				SW 3	20

**Additional Instructions:**

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

Relinquished by: (Signature) [Signature] Date 8-25-22 Time 3:00

Relinquished by: (Signature) [Signature] Date 8-26-22 Time 10:30

Relinquished by: (Signature) [Signature] Date 8-29-22 Time 10:30

Received by: (Signature) [Signature] Date 8-25-22 Time 3:00

Received by: (Signature) [Signature] Date 8-26-22 Time 10:30

Received by: (Signature) [Signature] Date 8-29-22 Time 10:30

Received on ice: Y / N

T1 4 T2 T3

AVG Temp °C 4

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

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

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



## Envirotech Analytical Laboratory

Printed: 8/29/2022 1:23:32PM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Tap Rock	Date Received:	08/29/22 10:30	Work Order ID:	E208157
Phone:	(575) 390-6397	Date Logged In:	08/29/22 08:33	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	08/30/22 17:00 (1 day TAT)		

Chain of Custody (COC)

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

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

Carrier: UPSComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



## Project Information

## Chain of Custody

Page 1 of 4

Client: <u>TAU ROCK</u>		Bill To		Lab Use Only		TAT		EPA Program					
Project: <u>Contest 211H</u>		Attention: <u>ESS</u>		Lab WO# <u>E208157</u>		Job Number <u>50046-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager:		Address: <u>2724 NW COUNTY ROAD</u>		Analysis and Method									
Address:		City, State, Zip <u>HOBBS, NM 88240</u>		DRO/ORO by 8015		GRO/DRO by 8015		BTX by 8021		VOC by 8260		Metals 6010	
City, State, Zip		Phone: <u>575-393-9048</u>		Chloride 300.0									
Phone:		EMAIL TO: <u>Natalie@energystaffingllc.com</u>											
Email:		<u>Dakoatah@energystaffingllc.com</u>											
Report due by:													

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
	8/25/22	S	1	SP 1 - Comp	1							X		
				SP 2 - Comp	2									
				SP 3 - Comp	3									
				SP 4 - Comp	4									
				SP 5 - Comp	5									
				SP 6 - Comp	6									
				SP 7 - Comp	7									
				SP 8 - Comp	8									
				SP 9 - Comp	9									
				SP 10 - Comp	10									

Additional Instructions: Added Comp to all sample names per Dakota 8/29/22 CC

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.					
Sampled by: <u>Dante Marquez</u>											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only			
<u>[Signature]</u>		8/25/22	3:00	<u>[Signature]</u>		8/25/22	3:00	Received on ice: <u>Y/N</u>			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1			
<u>[Signature]</u>		8/25/22	4:16	<u>[Signature]</u>		8/29/22	10:30	T2			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T3			
								AVG Temp °C <u>4</u>			
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.											


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## Project Information

## Chain of Custody

Page 24 of 24

Client: <u>FAP ROCK</u> Project: <u>Contest 2 M 4</u> Project Manager: Address: City, State, Zip Phone: Email: Report due by:					Bill To Attention: <u>ESS</u> Address: <u>2724 NW COUNTY ROAD</u> City, State, Zip <u>HOBBS, NM 88240</u> Phone: <u>575-393-9048</u> EMAIL TO: <u>Natalie@energystaffingllc.com</u> <u>Dakoatah@energystaffingllc.com</u>					Lab Use Only Lab WO# <u>E208157</u> Job Number <u>20046-0001</u> Analysis and Method					TAT 1D 2D 3D Standard			EPA Program CWA SDWA RCRA	
										State NM CO UT AZ TX									
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks					
	8/25/22	S	1	SP 11 - Comp	11							X							
				SP 12 - Comp	12														
				SP 13 - Comp	13														
				SP 14 - Comp	14														
				SP 15 - Comp	15														
				SP 16 - Comp	16														
				SP 17 - Comp	17														
				SP SW1 - Comp	18														
				SP SW2 - Comp	19														
				SW 3 - Comp	20														
Additional Instructions: <u>Added comp to all sample names per Dakota 8/29/22 CC</u>																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Relinquished by: (Signature) <u>[Signature]</u> Date <u>8-25-22</u> Time <u></u> Received by: (Signature) <u>[Signature]</u> Date <u>8-29-22</u> Time <u>3:00</u>																			
Relinquished by: (Signature) <u>[Signature]</u> Date <u>8-26-22</u> Time <u>11:15</u> Received by: (Signature) <u>[Signature]</u> Date <u>8/29/22</u> Time <u>10:30</u>																			
Relinquished by: (Signature) <u>[Signature]</u> Date <u></u> Time <u></u> Received by: (Signature) <u></u> Date <u></u> Time <u></u>																			
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other <u></u> Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			



Report to:  
Natalie Gladden



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Tap Rock

Project Name: Contest 211 H

Work Order: E208158

Job Number: 20046-0001

Received: 8/29/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
8/30/22

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 8/30/22



Natalie Gladden  
7 W. Compress Road  
Artesia, NM 88210

Project Name: Contest 211 H  
Workorder: E208158  
Date Received: 8/29/2022 10:30:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/29/2022 10:30:00AM, 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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

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**Lynn Jarboe**  
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Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

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

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

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## Sample Summary

Tap Rock	Project Name:	Contest 211 H	<b>Reported:</b> 08/30/22 17:10
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW4 - Comp	E208158-01A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
SW5 - Comp	E208158-02A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
SW6 - Comp	E208158-03A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
SW7 - Comp	E208158-04A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
SW8 - Comp	E208158-05A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
SW9 - Comp	E208158-06A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
SW10 - Comp	E208158-07A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
SW11 - Comp	E208158-08A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
SW12 - Comp	E208158-09A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
SW13 - Comp	E208158-10A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
SW14 - Comp	E208158-11A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
SW16 - Comp	E208158-12A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
SW17 - Comp	E208158-13A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
SW15 - Comp	E208158-14A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.



## Sample Data

Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Contest 211 H Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 8/30/2022 5:10:30PM
---	---	---

## SW4 - Comp

## E208158-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236010
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		101 %	70-130	08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	08/29/22	08/30/22	
Surrogate: Toluene-d8		102 %	70-130	08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236010
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		101 %	70-130	08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	08/29/22	08/30/22	
Surrogate: Toluene-d8		102 %	70-130	08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2236003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/29/22	
Surrogate: n-Nonane		83.0 %	50-200	08/29/22	08/29/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236011
Chloride	192	20.0	1	08/29/22	08/29/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
8/30/2022 5:10:30PM

## SW5 - Comp

## E208158-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236010
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	98.9 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	97.1 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	103 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236010
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	98.9 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	97.1 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	103 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2236003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/29/22	
Surrogate: n-Nonane	86.6 %	50-200		08/29/22	08/29/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236011
Chloride	198	20.0	1	08/29/22	08/29/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
8/30/2022 5:10:30PM

## SW6 - Comp

## E208158-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236010
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	98.1 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	101 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236010
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	98.1 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	101 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2236003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/29/22	
Surrogate: n-Nonane	85.8 %	50-200		08/29/22	08/29/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236011
Chloride	229	20.0	1	08/29/22	08/29/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
8/30/2022 5:10:30PM

## SW7 - Comp

## E208158-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236010
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	106 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236010
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	106 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2236003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/29/22	
Surrogate: n-Nonane	86.4 %	50-200		08/29/22	08/29/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236011
Chloride	246	20.0	1	08/29/22	08/29/22	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
8/30/2022 5:10:30PM

## SW8 - Comp

## E208158-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236010
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	99.0 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	103 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236010
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	99.0 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	103 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2236003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/29/22	
Surrogate: n-Nonane	84.3 %	50-200		08/29/22	08/29/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236011
Chloride	493	20.0	1	08/29/22	08/29/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
8/30/2022 5:10:30PM

## SW9 - Comp

## E208158-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2236010	
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	97.8 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	99.4 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	102 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2236010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	97.8 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	99.4 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	102 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KL		Batch: 2236003	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/29/22	
Surrogate: n-Nonane	82.0 %	50-200		08/29/22	08/29/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2236011	
Chloride	121	20.0	1	08/29/22	08/29/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
8/30/2022 5:10:30PM

## SW10 - Comp

## E208158-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236010
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		101 %	70-130	08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	08/29/22	08/30/22	
Surrogate: Toluene-d8		102 %	70-130	08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236010
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		101 %	70-130	08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	08/29/22	08/30/22	
Surrogate: Toluene-d8		102 %	70-130	08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2236003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/29/22	
Surrogate: n-Nonane		77.0 %	50-200	08/29/22	08/29/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236011
Chloride	34.2	20.0	1	08/29/22	08/29/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
8/30/2022 5:10:30PM

## SW11 - Comp

## E208158-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236010
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		102 %	70-130	08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	08/29/22	08/30/22	
Surrogate: Toluene-d8		104 %	70-130	08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236010
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		102 %	70-130	08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	08/29/22	08/30/22	
Surrogate: Toluene-d8		104 %	70-130	08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2236003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/29/22	
Surrogate: n-Nonane		82.7 %	50-200	08/29/22	08/29/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236011
Chloride	ND	20.0	1	08/29/22	08/29/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
8/30/2022 5:10:30PM

## SW12 - Comp

## E208158-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236010
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	98.9 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	101 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236010
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	98.9 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	101 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2236003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/29/22	
Surrogate: n-Nonane	86.5 %	50-200		08/29/22	08/29/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236011
Chloride	24.8	20.0	1	08/29/22	08/29/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
8/30/2022 5:10:30PM

## SW13 - Comp

## E208158-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236010
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		104 %	70-130	08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130	08/29/22	08/30/22	
Surrogate: Toluene-d8		104 %	70-130	08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236010
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		104 %	70-130	08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130	08/29/22	08/30/22	
Surrogate: Toluene-d8		104 %	70-130	08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2236003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/29/22	
Surrogate: n-Nonane		102 %	50-200	08/29/22	08/29/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236011
Chloride	111	20.0	1	08/29/22	08/29/22	





## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
8/30/2022 5:10:30PM

## SW14 - Comp

## E208158-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236010
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	99.3 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	97.1 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	103 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236010
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene	99.3 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4	97.1 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8	103 %	70-130		08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2236003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/29/22	
Surrogate: n-Nonane	80.3 %	50-200		08/29/22	08/29/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236011
Chloride	ND	20.0	1	08/29/22	08/29/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
8/30/2022 5:10:30PM

## SW16 - Comp

## E208158-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236010
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		101 %	70-130	08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	08/29/22	08/30/22	
Surrogate: Toluene-d8		101 %	70-130	08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236010
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		101 %	70-130	08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	08/29/22	08/30/22	
Surrogate: Toluene-d8		101 %	70-130	08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2236003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/29/22	
Surrogate: n-Nonane		80.7 %	50-200	08/29/22	08/29/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236011
Chloride	43.7	20.0	1	08/29/22	08/29/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
8/30/2022 5:10:30PM

## SW17 - Comp

## E208158-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236010
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		102 %	70-130	08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	08/29/22	08/30/22	
Surrogate: Toluene-d8		103 %	70-130	08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236010
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		102 %	70-130	08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	08/29/22	08/30/22	
Surrogate: Toluene-d8		103 %	70-130	08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2236003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/30/22	
Surrogate: n-Nonane		88.7 %	50-200	08/29/22	08/30/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236011
Chloride	105	20.0	1	08/29/22	08/29/22	



## Sample Data

Tap Rock  
7 W. Compress Road  
Artesia NM, 88210

Project Name: Contest 211 H  
Project Number: 20046-0001  
Project Manager: Natalie Gladden

**Reported:**  
8/30/2022 5:10:30PM

## SW15 - Comp

## E208158-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236010
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		100 %	70-130	08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	08/29/22	08/30/22	
Surrogate: Toluene-d8		103 %	70-130	08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2236010
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		100 %	70-130	08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	08/29/22	08/30/22	
Surrogate: Toluene-d8		103 %	70-130	08/29/22	08/30/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2236003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/30/22	
Surrogate: n-Nonane		82.1 %	50-200	08/29/22	08/30/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236011
Chloride	217	20.0	1	08/29/22	08/29/22	



## 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	8/30/2022 5:10:30PM

## Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2236010-BLK1)

Prepared: 08/29/22 Analyzed: 08/29/22

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	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.5	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			

## LCS (2236010-BS1)

Prepared: 08/29/22 Analyzed: 08/29/22

Benzene	2.18	0.0250	2.50		87.1	70-130			
Ethylbenzene	2.30	0.0250	2.50		92.1	70-130			
Toluene	2.15	0.0250	2.50		86.2	70-130			
o-Xylene	2.16	0.0250	2.50		86.2	70-130			
p,m-Xylene	4.28	0.0500	5.00		85.5	70-130			
Total Xylenes	6.43	0.0250	7.50		85.8	70-130			
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			

## LCS Dup (2236010-BSD1)

Prepared: 08/29/22 Analyzed: 08/29/22

Benzene	2.24	0.0250	2.50		89.7	70-130	2.87	23	
Ethylbenzene	2.40	0.0250	2.50		96.0	70-130	4.06	27	
Toluene	2.30	0.0250	2.50		91.8	70-130	6.34	24	
o-Xylene	2.25	0.0250	2.50		90.1	70-130	4.42	27	
p,m-Xylene	4.45	0.0500	5.00		88.9	70-130	3.90	27	
Total Xylenes	6.70	0.0250	7.50		89.3	70-130	4.07	27	
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.1	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	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	8/30/2022 5:10:30PM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2236010-BLK1)

Prepared: 08/29/22 Analyzed: 08/29/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.5	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			

## LCS (2236010-BS2)

Prepared: 08/29/22 Analyzed: 08/29/22

Gasoline Range Organics (C6-C10)	52.9	20.0	50.0		106	70-130			
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.1	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

## LCS Dup (2236010-BSD2)

Prepared: 08/29/22 Analyzed: 08/29/22

Gasoline Range Organics (C6-C10)	54.5	20.0	50.0		109	70-130	2.95	20	
Surrogate: Bromofluorobenzene	0.499		0.500		99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	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	8/30/2022 5:10:30PM

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

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2236003-BLK1)

Prepared: 08/29/22 Analyzed: 08/29/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.4		50.0		84.8	50-200			

## LCS (2236003-BS1)

Prepared: 08/29/22 Analyzed: 08/29/22

Diesel Range Organics (C10-C28)	216	25.0	250		86.3	38-132			
Surrogate: n-Nonane	43.1		50.0		86.2	50-200			

## Matrix Spike (2236003-MS1)

Source: E208158-01

Prepared: 08/29/22 Analyzed: 08/29/22

Diesel Range Organics (C10-C28)	217	25.0	250	ND	86.8	38-132			
Surrogate: n-Nonane	41.6		50.0		83.2	50-200			

## Matrix Spike Dup (2236003-MSD1)

Source: E208158-01

Prepared: 08/29/22 Analyzed: 08/29/22

Diesel Range Organics (C10-C28)	222	25.0	250	ND	88.9	38-132	2.38	20	
Surrogate: n-Nonane	42.0		50.0		84.0	50-200			



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	8/30/2022 5:10:30PM

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2236011-BLK1)					Prepared: 08/29/22 Analyzed: 08/29/22				
Chloride	ND	20.0							
LCS (2236011-BS1)					Prepared: 08/29/22 Analyzed: 08/29/22				
Chloride	245	20.0	250		97.8	90-110			
LCS Dup (2236011-BSD1)					Prepared: 08/29/22 Analyzed: 08/29/22				
Chloride	244	20.0	250		97.7	90-110	0.121	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	08/30/22 17:10

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

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

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



## Project Information

## Chain of Custody

Page 3 of 4

Client: <u>TAPROCK</u>					Bill To					Lab Use Only					TAT				EPA Program																											
Project: <u>Contest 2114</u>					Attention: <u>ESS</u>					Lab WO# <u>E208158</u>					Job Number <u>60046-0001</u>				1D	2D	3D	Standard	CWA	SDWA																						
Project Manager:					Address: <u>2724 NW COUNTY ROAD</u>					Analysis and Method									RCRA																											
Address:					City, State, Zip <u>HOBBS, NM 88240</u>																																									
City, State, Zip					Phone: <u>575-393-9048</u>					DRO/PRO by 8015					GRO/DRO by 8015				BTX by 8021				VOC by 8260				Metals 6010				Chloride 300.0				BGDOC NM				BGDOC TX				State			
Phone:					EMAIL TO: <u>Natalie@energystaffingllc.com</u>																																									
Email:					<u>Dakoatah@energystaffingllc.com</u>					NM					CO				UT				AZ				TX																			
Report due by:																																														
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks																																								
		<u>S</u>	<u>1</u>	<u>SW 4</u>	<u>1</u>	<u>X</u>																																								
		<u>S</u>	<u>1</u>	<u>SW 5</u>	<u>2</u>																																									
		<u>S</u>	<u>1</u>	<u>SW 6</u>	<u>3</u>																																									
		<u>S</u>	<u>1</u>	<u>SW 7</u>	<u>4</u>																																									
		<u>S</u>	<u>1</u>	<u>SW 8</u>	<u>5</u>																																									
		<u>S</u>	<u>1</u>	<u>SW 9</u>	<u>6</u>																																									
		<u>S</u>	<u>1</u>	<u>SW 10</u>	<u>7</u>																																									
		<u>S</u>	<u>1</u>	<u>SW 11</u>	<u>8</u>																																									
		<u>S</u>	<u>1</u>	<u>SW 12</u>	<u>9</u>																																									
		<u>S</u>	<u>1</u>	<u>SW 13</u>	<u>10</u>																																									

## Additional Instructions:

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

Sampled by:

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <u>Y/N</u> T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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



Client: <u>PapRoc</u>	<b>Bill To</b> Attention: <u>ESS</u> Address: <u>2724 NW COUNTY ROAD</u> City, State, Zip <u>HOBBS, NM 88240</u> Phone: <u>575-393-9048</u> EMAIL TO: <u>Natalie@energystaffingllc.com</u> <u>Dakoatah@energystaffingllc.com</u>	<b>Lab Use Only</b>				<b>TAT</b>				<b>EPA Program</b>					
Project: <u>Contest 246</u>		Lab WO#	Job Number			1D	2D	3D	Standard	CWA	SDWA				
Project Manager:		<u>E208158</u>	<u>20046-0001</u>												
Address:		Analysis and Method										RCRA			
City, State, Zip		O by 8015 O by 8015 8021 260 010 300.0 NM TX									State				
Phone:											NM	CO	UT	AZ	TX
Email:															
Report due by:															

[illegible]

**Additional Instructions:**

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

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

## Envirotech Analytical Laboratory

Printed: 8/29/2022 1:28:19PM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Tap Rock	Date Received:	08/29/22 10:30	Work Order ID:	E208158
Phone:	(575) 390-6397	Date Logged In:	08/29/22 08:36	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	08/30/22 17:00 (1 day TAT)		

Chain of Custody (COC)

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

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

Carrier: UPSSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

Project has been separated into 2 reports due to amount of samples. Workorders are as follows:  
E208157 COC pg 1&2 of 4, E208158 COC pg 3&4 of 4. Project manager, Date&time sampled not provided on COC.Changed sample names per client.Added extra sample.

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

Date



envirotech Inc.



## Project Information

## Chain of Custody

Page 3 of 4

Client: <u>TEPROCK</u>	Bill To	Lab Use Only	TAT	EPA Program
Project: <u>Contest 2114</u>	Attention: <u>ESS</u>	Lab WO# <u>E208158</u>	Job Number <u>20046-0001</u>	CWA <input type="checkbox"/> SDWA <input type="checkbox"/>
Project Manager:	Address: <u>2724 NW COUNTY ROAD</u>	Analysis and Method		RCRA <input type="checkbox"/>
Address:	City, State, Zip <u>HOBBS, NM 88240</u>	DRO/DRO by 8015	GRO/DRO by 8015	State
City, State, Zip	Phone: <u>575-393-9048</u>	BTEX by 8021	VOC by 8260	NM <input type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>
Phone:	EMAIL TO: <u>Natalie@energystaffingllc.com</u>	Metals 6010	Chloride 300.0	Remarks
Email:	<u>Dakoatah@energystaffingllc.com</u>	BDOC NM	BDOC TX	
Report due by:				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	Remarks
	8/25	S	1	SW 4 - Comp	1							X		
			1	SW 5 - Comp	2									
				SW 6 - Comp	3									
				SW 7 - Comp	4									
				SW 8 - Comp	5									
				SW 9 - Comp	6									
				SW 10 - Comp	7									
				SW 11 - Comp	8									
				SW 12 - Comp	9									
				SW 13 - Comp	10									

Additional Instructions: Added Comp to all sample names per Dakota 8/29/22 CC

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

Sampled by: [Signature]

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5°C on subsequent days.

Relinquished by: (Signature) <u>[Signature]</u>	Date <u>8-25-22</u>	Time	Received by: (Signature) <u>[Signature]</u>	Date <u>8/26/22</u>	Time <u>8:00</u>	Lab Use Only
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>8/29/22</u>	Time <u>10:30</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>8/29/22</u>	Time <u>10:30</u>	Received on ice: <u>Y/N</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 T2 T3
AVG Temp °C <u>4</u>						

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

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

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

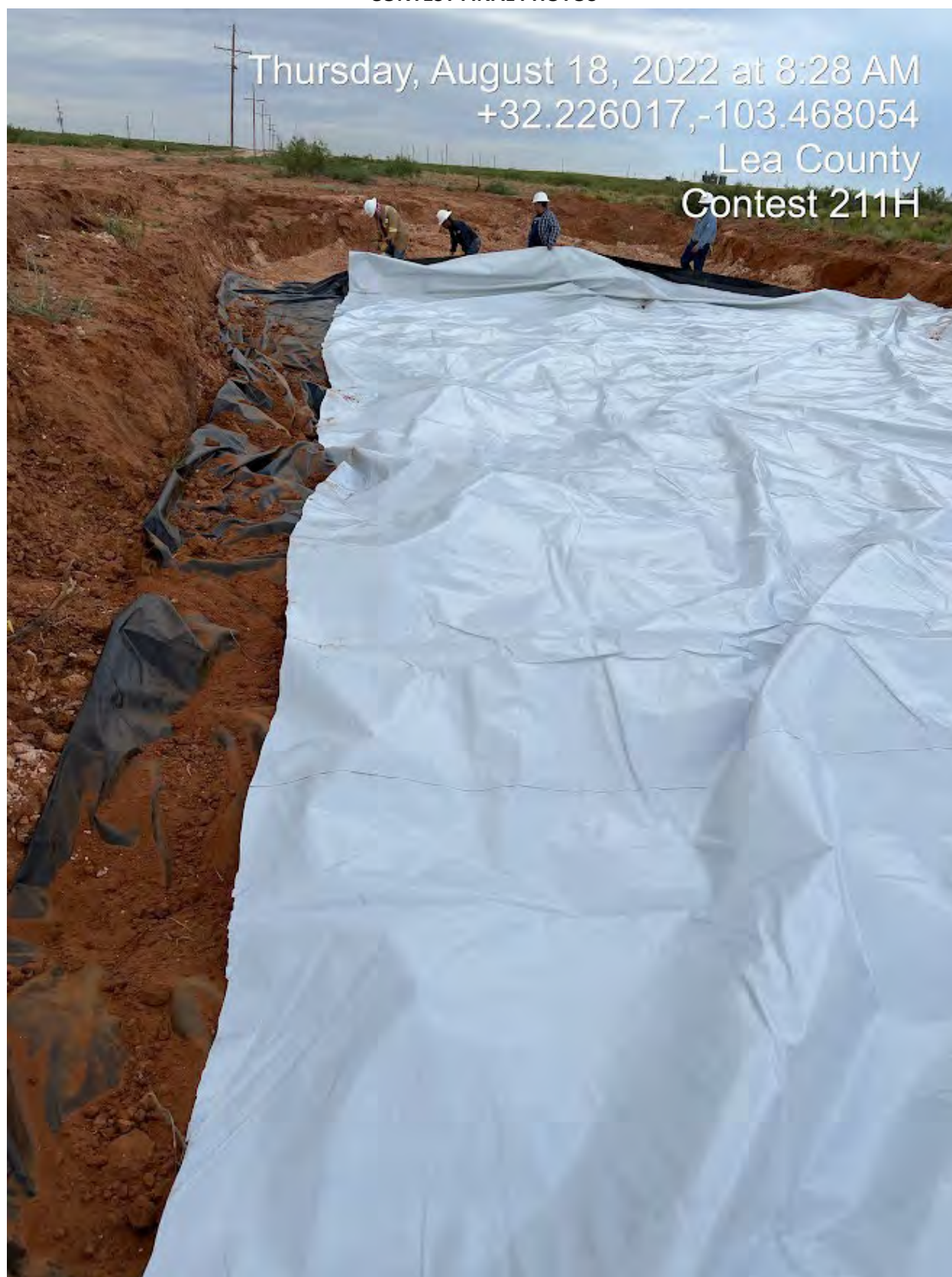

**envirotech**







**CONTEST FINAL PHOTOS**







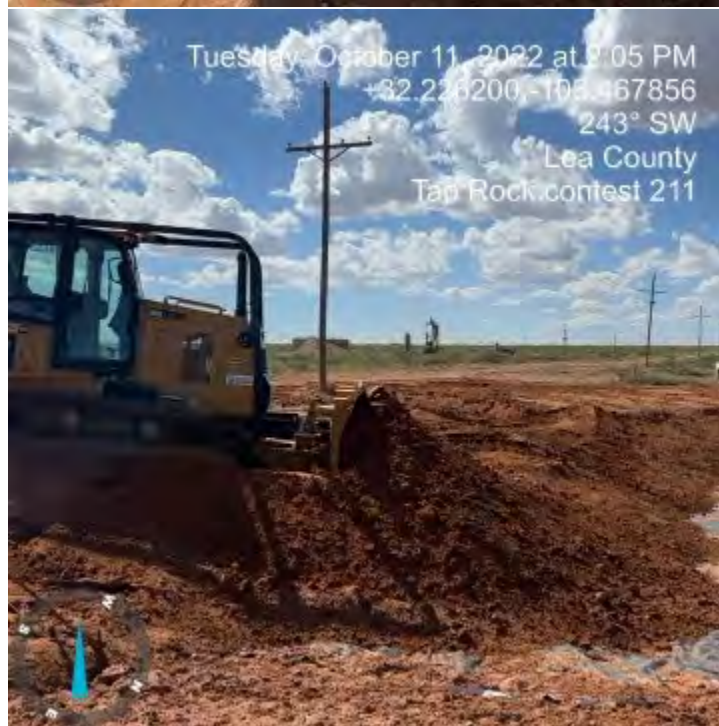


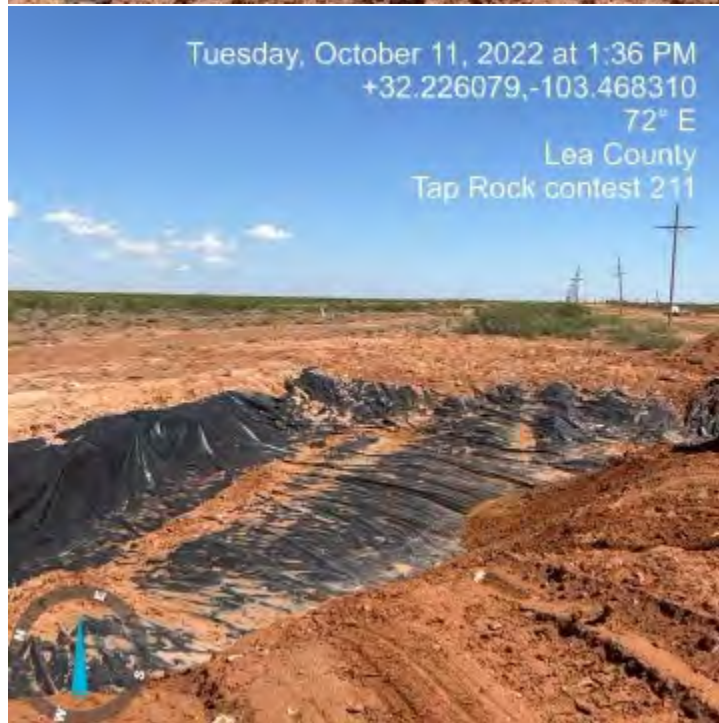
AL PHOTOS























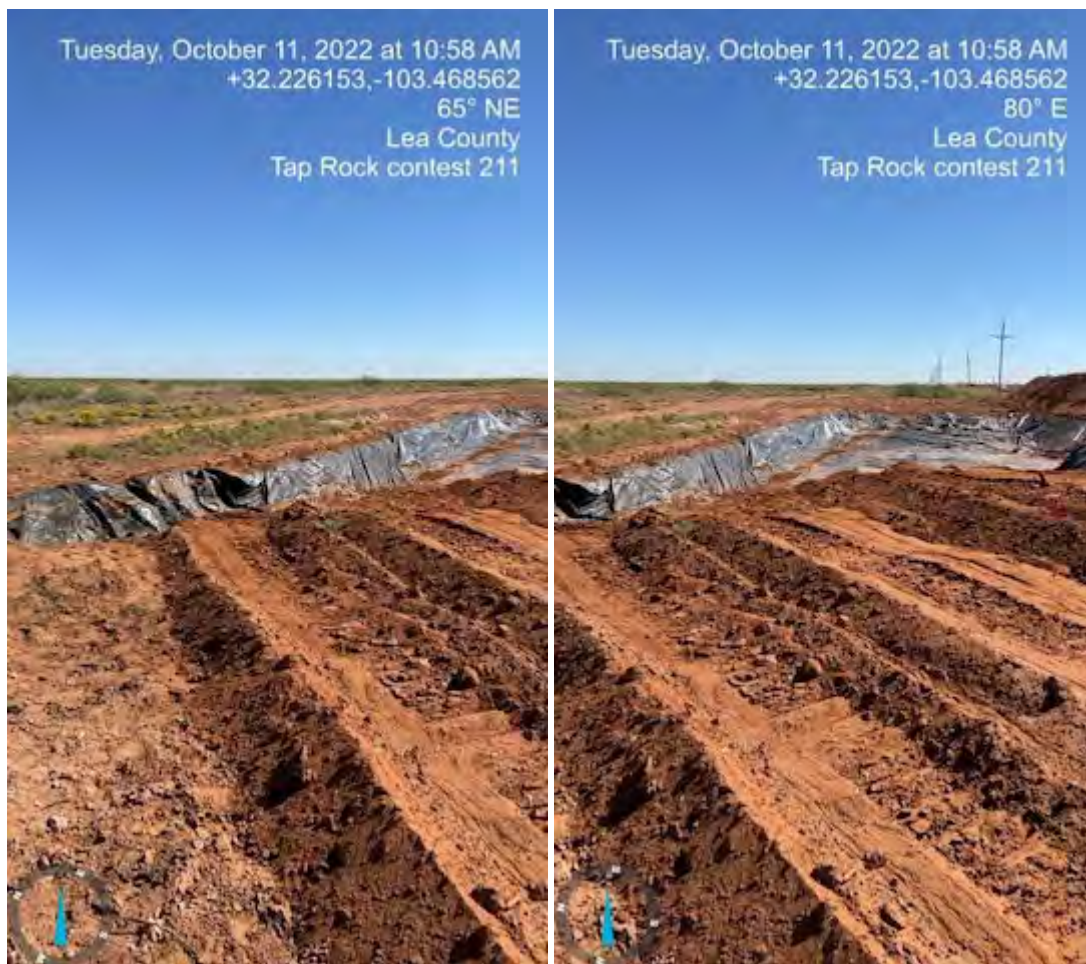






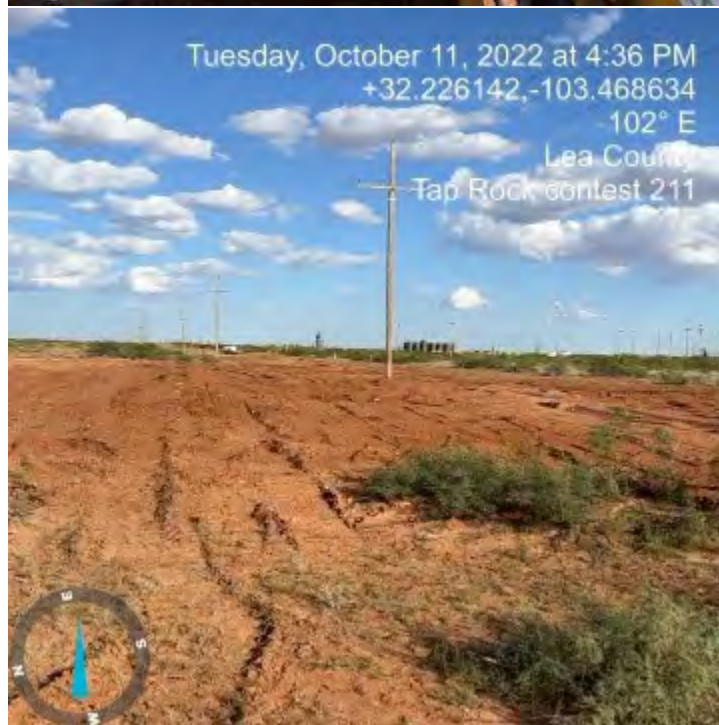
















Incident ID	
District RP	
Facility ID	
Application ID	

## Closure

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

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

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

Signature: Natalie Gladden Date: 3/8/23

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

### OCD Only

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

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Jennifer Nobui Date: 03/21/2023

Printed Name: Jennifer Nobui Title: Environmental Specialist A

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

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

CONDITIONS  
  
Action 196697

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 196697
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved. Please note sidewall samples should be delineated to 600 mg/kg for chlorides to define the edge of the release. Two sidewall confirmation samples, SWC1 and SWC3 had chloride concentrations >600 mg/kg. Going forward, this will be grounds for a denial.	3/21/2023