

## CONTEST FEDERAL COM #211H CLOSE REQUEST

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

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

2/27/2023 Prepared by:



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

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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
						-		a selle
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		1000				
	10'	>4000		1				
	11'	>4000						
	13'	>4000						
	15'	>4000						
	17'	>4000						
	19'	480				<b></b>		
	21'	400	ND	ND	ND	ND	ND	321
AD		50 - J.		21		1		1
SP4	SURFACE	>4000	ND	ND	747	536	1283	16700
	1'	4000						
	2'	>4000						
	3'	4000	1		1			
	4'	>4000		1				-
	5'	>4000					1	1
	6'	>4000			1			
	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
					12 15	1030	-1.2	
SP5	SURFACE	>4000	ND	ND	ND	ND	ND	4220
	1'	480						
	2'	320						
	3'	320						
			The Part	5	-1-3	-		-
SP6	SURFACE	>4000	ND	ND	164	151	315	19400
	1'	>4000	_					
	2'	>4000					1	
	3'	>4000			A			
_	4'	>4000		1				
	5'	>4000	-					-
	6'	>4000						
	7'	>4000						
	8'	>4000	_					
	9'	>4000						
	10'	>4000						
	11'	>4000						
	13'	>4000				1	1	
	15'	>4000				· · · · ·		
	17'	>4000			1	1		
	19'	1280						
	21'	1200						
	23'	240	_			1		
	24'	40	ND	ND	ND	ND	ND	ND
	12	-		1	1		ľ	
SP7	SURFACE	>4000	ND	ND	ND	ND	ND	30700
	1'	4000						
	2'	4000	-					
_	3'	>4000			-			
_	4'	>4000						
_	5'	>4000					-	
	6'	>4000	-12			2		

	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
	WERE TO T	162	1997 - 1997 1997 - 1997				al sorting	
SP8	SURFACE	>4000	ND	ND	ND	ND	ND	12600
	1'	560						
	2'	480						
	3'	400						
No.		New Street N			1. 20 S / 12 IC			1.11
SP9	SURFACE	>4000	ND	ND	ND	ND	ND	5140
	1'	2000						
	2'	400						
	3'	320						
					2022 L. A.	SC Me Law	The states	17. C. 4
SP10	SURFACE	>4000	ND	ND	ND	ND	ND	12900
	1'	960						
	2'	480						
	3'	400						
1				297 S.	United and	No. Sector	R. A.	1187.3.1
SP11	SURFACE	>4000	ND	ND	ND	ND	ND	7320
	1'	960						
	2'	3200						
	3'	>4000						
_	4'	400				_		
	5'	400						
日本目的		1.1.1.1	in the start we		AL			
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						

01 10	CONTRACE	1000						
	1'	>4000						
	2'	>4000						
	3'	>4000						
	4'	>4000						
	5'	>4000						
	6'	>4000				-		
	7'	>4000						
	8'	>4000				1		
	9'	>4000						
	10'	>4000						
	12'	2480						
	14'	1920						
_	16'	1280						
	18'	880						
	20'	480	_		-			
	22'	240	ND	ND	ND	ND	ND	ND
					11.5			
SP14	SURFACE	>4000	ND	ND	ND	ND	ND	30800
JF 14	JUNFACL	1000						
	1'	>4000						
	1'	>4000						
	1' 2'	>4000 >4000						
	1' 2' 3'	>4000 >4000 >4000						
	1' 2' 3' 4'	>4000 >4000 >4000 >4000						
	1' 2' 3' 4' 5'	>4000 >4000 >4000 >4000 >4000						
	1' 2' 3' 4' 5' 6'	>4000 >4000 >4000 >4000 >4000 >4000						
	1' 2' 3' 4' 5' 6' 7'	>4000       >4000       >4000       >4000       >4000       >4000       >4000       >4000						
	1' 2' 3' 4' 5' 6' 7' 8'	>4000       >4000       >4000       >4000       >4000       >4000       >4000       >4000       >4000       >4000						
	1' 2' 3' 4' 5' 6' 7' 8' 9'	>4000       >4000       >4000       >4000       >4000       >4000       >4000       >4000       >4000       >4000       >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

ND

26.2

ND

26.2

10400

ND

SP13

SURFACE >4000

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	17'	400						
	19'	160	ND	ND	ND	ND	ND	ND
		3. A. 18 19.15			4 m 177 18	NY ISE		Salder C.S.
SP15	SURFACE	480	ND	ND	ND	ND	ND	ND
	1'	480						
	2'	400						
	3'	400						
			Same and	4-22-24			2. 2. 10 -	
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
2 21 300 300 5		in the second	2012		A VALLE		CHES PT	10.20
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						
			182.2	all port	Section 1			
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
38.4					Tel Const	N. SWINE	1 1 1 2	
SW2	SURFACE	400	ND	ND	ND	ND	ND	90.3
_	1'	400						
	2'	320	ND	ND	ND	ND	ND	ND
	Had a star			Summer Star		and services	NY ENGLA	Train sit
SW3	SURFACE	240	ND	ND	ND	ND	ND	20.5
	1'	400						

.

	2'	400	ND	ND	ND	ND	ND	ND
C14/4	CUREACE	100	ND	ND	ND	ND	ND	140
SW4	SURFACE	400	ND	ND	ND	ND	ND	148
	1'	360	NID	ND	ND	ND	NID	ND
1.0.00	2'	360	ND	ND	ND	ND	ND	ND
		4.60	ND	ND	ND	ND	NID	
SW5	SURFACE	160	ND	ND	ND	ND	ND	ND
	1'	320					ND	
COLD HIS	2'	320	ND	ND	ND	ND	ND	ND
<u>11.</u> ≇0,8					ND	ND	ND	5020
SW6	SURFACE	>4000	ND	ND	ND	ND	ND	5820
_	1'	360						NID
	2'	360	ND	ND	ND	ND	ND	ND
100			7 4 6 6 6 6 6 6 6			21.31.35	ND	NID
SW7	SURFACE	240	ND	ND	ND	ND	ND	ND
	1'	320						
	2'	320	ND	ND	ND	ND	ND	
			CALENCE STR.	S. (7 11)		kikunsisi		
SW8	SURFACE	640	ND	ND	ND	ND	ND	500
	1'	400						
	2'	560	ND	ND	ND	ND	ND	ND
	A LEAST MOUNT		The states	3 m 323			12.2.3.3	
SW9	SURF	1280	ND	ND	ND	ND	ND	2340
	1'	240						
	2'	240	ND	ND	ND	ND	ND	ND
					MARKE ST		1516167	SX III
SW10	SURF	2960	ND	ND	ND	ND	ND	3750
	1'	240						
	2	160	ND	ND	ND	ND	ND	ND
	The second second	·哈马·阿特·				1.62.33		2301
SW11	SURF	160	ND	ND	ND	ND	ND	430
	1'	80						
	2'	80	ND	ND	ND	ND	ND	ND
2	民民的思想	Restrictions.		aver a la	S. S. S. S. S. S.		South Land	
SW12	SURF	>4000	ND	ND	ND	ND	ND	1610
	1'	>4000						
	2'	>4000						
	3'	480						
	4 <sup>1</sup>	160	ND	ND	ND	ND	ND	22.7
							1.1.1.2.1	- De Day
SW13	SURF	240	ND	ND	ND	ND	ND	29.7

	1'	240						
	2'	240	ND	ND	ND	ND	ND	ND
				DE Signe		-		
SW14	SURF	240	ND	ND	ND	ND	ND	ND
	1'	240						
	2'	240	ND	ND	ND	ND	ND	ND
			Sall and	93		E SHI W	** 0 200	語言の
SW15	SURF	800	ND	ND	ND	ND	ND	705
	1'	400						
	2'	240	ND	ND	ND	ND	ND	ND
13194-83			N TAS					
SW16	SURF	>4000	ND	ND	ND	ND	ND	6200
	1'	1280						
	2'	240						
	3'	160	ND	ND	ND	ND	ND	20.9
114.45		The second		i dinatio.		PRAIN.	- 3731	
SW17	SURF	>4000	ND	ND	ND	ND	ND	13000
	1'	3200						
	2'	400						
	3'	240	ND	ND	ND	ND	ND	63.1
E DELA	Stat Strate			A CHARLER		Contraction of the second		a Then

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 contaminates. 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.

00.15		-	DID	L-	1.000	1.000	1.000		1.00
SP ID	Depth	Titr	PID	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 <sup>*</sup>	ND	ND	3120
COMP 15	4'	500	L	ND	ND	NÐ	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.

Sincerely,

atali Guldden

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



#### 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

From:	natalie@energystaffingllc.com
Sent:	Wednesday, October 6, 2021 7:12 AM
То:	'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: <u>natalie@energystaffingllc.com</u>



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**

Contact Telephone (720) 360-4028
Incident # (assigned by OCD)

## **Location of Release Source**

Latitude 32.226089

Longitude -103.468278

(NAD 83 in decimal degrees to 5 decimal places)

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

Unit Letter	Section	Township	Range	County
Р	9	248	34E	Lea

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)

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) 36.47	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/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	Incident ID	
e 2	Oil Conservation Division	District RP	
		Facility ID	
		Application ID	
Was this a major	If YES, for what reason(s) does the responsible part	y consider this a major release?	
release as defined by 19.15.29.7(A) NMAC?	Over 25bbls released		
🛛 Yes 🗌 No			
	notice given to the OCD? By whom? To whom? Whe ladden w/ESS by email on 10/6/21. Email was sent		
	Initial Response	9	
The responsibl	e party must undertake the following actions immediately unless they	could create a safety hazard that would result in inju	ury
The source of the re	elease has been stopped.		
	has been secured to protect human health and the enviro	nment.	
-		**** *****	
	have been existent we the use of homes on dilog obse	rhant nada or other containment devices	
	have been contained via the use of berms or dikes, abso		
All free liquids and	have been contained via the use of berms or dikes, absorption recoverable materials have been removed and managed bed above have <u>not</u> been undertaken, explain why:		
All free liquids and If all the actions describ Per 19.15.29.8 B. (4) N has begun, please attack within a lined containm I hereby certify that the im regulations all operators at public health or the enviro failed to adequately invest addition, OCD acceptance	recoverable materials have been removed and managed	appropriately. n immediately after discovery of a release. ve been successfully completed or if the re- ch all information needed for closure evalu knowledge and understand that pursuant to OC id perform corrective actions for releases which ot relieve the operator of liability should their of dwater, surface water, human health or the envi	D rules and may endanger operations have ironment. In
All free liquids and If all the actions describ Per 19.15.29.8 B. (4) N has begun, please attack within a lined containm I hereby certify that the im regulations all operators an public health or the enviro failed to adequately invest addition, OCD acceptance and/or regulations.	recoverable materials have been removed and managed bed above have <u>not</u> been undertaken, explain why: MAC the responsible party may commence remediation h a narrative of actions to date. If remedial efforts ha ent area (see 19.15.29.11(A)(5)(a) NMAC), please attact formation given above is true and complete to the best of my re required to report and/or file certain release notifications ar nment. The acceptance of a C-141 report by the OCD does n igate and remediate contamination that pose a threat to groun of a C-141 report does not relieve the operator of responsibil	appropriately. In immediately after discovery of a release, we been successfully completed or if the re- ch all information needed for closure evalu- knowledge and understand that pursuant to OC id perform corrective actions for releases which ot relieve the operator of liability should their of dwater, surface water, human health or the envi- ity for compliance with any other federal, state,	D rules and may endanger perations have ironment. In
All free liquids and If all the actions describ Per 19.15.29.8 B. (4) N has begun, please attack within a lined containm I hereby certify that the intregulations all operators at public health or the enviro failed to adequately invest addition, OCD acceptance and/or regulations. Printed Name: Natalie	recoverable materials have been removed and managed bed above have <u>not</u> been undertaken, explain why: MAC the responsible party may commence remediation h a narrative of actions to date. If remedial efforts ha ent area (see 19.15.29.11(A)(5)(a) NMAC), please attact formation given above is true and complete to the best of my re required to report and/or file certain release notifications ar nment. The acceptance of a C-141 report by the OCD does n igate and remediate contamination that pose a threat to groun	appropriately. h immediately after discovery of a release, we been successfully completed or if the re- ch all information needed for closure evalu- knowledge and understand that pursuant to OC d perform corrective actions for releases which ot relieve the operator of liability should their of dwater, surface water, human health or the envi- ity for compliance with any other federal, state, <b>nental and Regulatory</b>	D rules and may endanger perations have ironment. In
All free liquids and If all the actions describ Per 19.15.29.8 B. (4) N has begun, please attack within a lined containm I hereby certify that the in regulations all operators at public health or the enviro failed to adequately invest addition, OCD acceptance and/or regulations. Printed Name: <b>_Natalie</b> Signature:	mAC the responsible party may commence remediation h a narrative of actions to date. If remedial efforts has ent area (see 19.15.29.11(A)(5)(a) NMAC), please attact formation given above is true and complete to the best of my re required to report and/or file certain release notifications ar nment. The acceptance of a C-141 report by the OCD does not igate and remediate contamination that pose a threat to groun of a C-141 report does not relieve the operator of responsibil e Gladden Title: _Director of Environn Date: Date:	appropriately. h immediately after discovery of a release, we been successfully completed or if the re- ch all information needed for closure evalu- knowledge and understand that pursuant to OC d perform corrective actions for releases which ot relieve the operator of liability should their of dwater, surface water, human health or the envi- ity for compliance with any other federal, state, <b>nental and Regulatory</b>	elease occurred lation. D rules and may endanger operations have ironment. In , or local laws
All free liquids and If all the actions describ Per 19.15.29.8 B. (4) N has begun, please attack within a lined containm I hereby certify that the in regulations all operators at public health or the enviro failed to adequately invest addition, OCD acceptance and/or regulations. Printed Name: <b>_Natalie</b> Signature:	recoverable materials have been removed and managed bed above have <u>not</u> been undertaken, explain why: MAC the responsible party may commence remediation h a narrative of actions to date. If remedial efforts has ent area (see 19.15.29.11(A)(5)(a) NMAC), please attact formation given above is true and complete to the best of my re required to report and/or file certain release notifications ar nment. The acceptance of a C-141 report by the OCD does no igate and remediate contamination that pose a threat to groun of a C-141 report does not relieve the operator of responsibil e Gladden Title: _Director of Environr Date: Date:	h immediately after discovery of a release, we been successfully completed or if the re- ch all information needed for closure evalue knowledge and understand that pursuant to OC d perform corrective actions for releases which ot relieve the operator of liability should their of dwater, surface water, human health or the envi ity for compliance with any other federal, state, <b>nental and Regulatory</b>	elease occurred lation. D rules and may endanger operations have ironment. In , or local laws

.

Soil Type	Porosity	Length	Width	Depth (.083 per inch)	Cubic Feet	Estimated Barrels	Soil Type
Clay	0.15	10	10	0.083	8.3	0.22	Clay
Peat	0.40	10	10	0.083	8.3	0.59	Peat
Glacial Sediments	0.13	10	10	0.083	8.3	0.19	Glacial Sediments
Sandy Clay	0.12	10	10	0.083	8.3	0.18	Sandy Clay
Silt	0.16	10	10	0.083	8.3	0.24	Silt
Loess	0.25	10	10	0.083	8.3	0.37	Loess
Fine Sand	0.16	127.6	40.09	0.25	1278.871	36.47	Fine Sand
Medium Sand	0.25	10	10	0.083	8.3	0.37	Medium Sand
Coarse Sand	0.26	10	10	0.083	8.3	0.38	Coarse Sand
Gravely Sand	0.26	10	10	0.083	8.3	0.38	Gravely Sand
Fine Gravel	0.26	10	10	0.083	8.3	0.38	Fine Gravel
Medium Gravel	0.20	10	10	0.083	8.3	0.30	Medium Gravel
Coarse Gravel	0.18	10	10	0.083	8.3	0.27	Coarse Gravel
Sandstone	0.25	10	10	0.083	8.3	0.37	Sandstone
Siltstone	0.18	10	10	0.083	8.3	0.27	Siltstone
Shale	0.05	10	10	0.083	8.3	0.07	Shale
Limestone	0.13	10	10	0.083	8.3	0.19	Limestone
Basalt	0.19	10	10	0.083	8.3	0.28	Basalt
Volcanic Tuff	0.20	10	10	0.083	8.3	0.30	Volcanic Tuff
Standing Liquids	Х	10	10	0.083	8.3	1.48	Standing Liquids

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

**NOTE:** This is an **estimate** tool designed for quick field estimates of whether a C-141 should be requred (*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
То:	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></camorgan@blm.gov>
Sent:	Wednesday, March 2, 2022 9:46 AM
То:	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



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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



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



From: CFO\_Spill, BLM\_NM <<u>BLM\_NM\_CFO\_Spill@blm.gov</u>> Sent: Wednesday, October 6, 2021 7:16 AM To: <u>natalie@energystaffingllc.com</u> 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\_



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From: <u>natalie@energystaffingllc.com</u> <<u>natalie@energystaffingllc.com</u>> Sent: Wednesday, October 6, 2021 7:12 AM To: 'ocdonline, emnrd, EMNRD' <<u>EMNRD.OCDOnline@state.nm.us</u>>; CFO\_Spill, BLM\_NM
<<u>BLM\_NM\_CFO\_Spill@blm.gov</u>>; Bratcher, Mike, EMNRD <<u>mike.bratcher@state.nm.us</u>>; <u>robert.hamlet@state.nm.us</u>>; 'Hensley, Chad, EMNRD' <<u>Chad.Hensley@state.nm.us</u>>; Amos, James A
<<u>jamos@blm.gov</u>>

Cc: 'Christian Combs' <<u>ccombs@taprk.com</u>>

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: <u>natalie@energystaffingllc.com</u>



Legend

Page 25 of 398

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

AND PERMIT

## TAP ROCK RESOURCES CONTEST 211H FRAC LINE

















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

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

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

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

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

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

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

> 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.



Page 35 of 398

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



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

Page 36 of 398

Map unit symbol and soil	Ecological Site, Plant Association, or Habitat	Total d	lry-weight proc	luction	Characteristic rangeland or forest understory	Compositio n		
name	Association, or Habitat Type	Favorable year	Normal year	Unfavorable year	vegetation		Rangeland	Forest understory
		Lb/ac	Lb/ac	Lb/ac		Pct dry wt	Pct dry wt	
BH—Berino-Cacique association, hummocky								
Berino	Loamy Sand	650	_	225	black grama	25		
	(R042XC003NM)				dropseed	15		
					other perennial grasses	15		]
					bush muhly	10		
					annual grasses	5		
					cane bluestem	5		
					other shrubs	5		
				other annual forbs	5			
					other perennial forbs	5		
					soaptree yucca	5		
					threeawn	5		
Cacique	Sandy (R042XC004NM)	650		225	black grama	25		
					dropseed	15		
				other perennial grasses	15			
					bush muhly	10		
				annual grasses	5			
				cane bluestem	5			
					other shrubs	5		
					other annual forbs	5		
					other perennial forbs	5		
					threeawn	5		
					yucca	5		



Natural Resources Conservation Service 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



USDA Natural Resources Conservation Service Released to Imaging: 3/21/2023 10:35:27 AM

Web Soil Survey National Cooperative Soil Survey



### Map Unit Legend

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



# Received by OCD: 3/14/2023 8:36:39 AM National Flood Hazard Layer FIRMette



### Legend

regulatory purposes.

Page 41 of 398



Releasea to Imaging: 3/21/2023 90.95:27 AM 1,500 2.000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020





?

## New Mexico Office of the State Engineer Wells with Well Log Information

		No wells found.
UTMNAD83 Radius Search (in meters)	<u>.</u>	
<b>Easting (X):</b> 644330.66	Northing (Y): 3566525.34	Radius: 1000
The data is furnished by the NMOSE/ISC and is acc	cepted by the recipient with the expressed understar	nding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for

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	(R=POI been rep O=orph	blaced, aned,	,												
& no longer serves a water right	C=the fi closed)	lle is	(quart	ters are 1= (quarters)			,	(NAD83	3 UTM in meters	)			(in fe	eet)	
POD Number	Code	POD Subbasin	County	Source	qqq 64164	Sec	Tws Rng	х	Y	Distance Start Date	Finish Date	Log File Date		Depth Water Driller	License Numbe
<u>C 03932 POD13</u>		CUB	LE				24S 34E	645314	3565203	1647 02/10/2016	02/11/2016	03/01/2016	90	LEE PETERSON	1222
<u>C 03943 POD1</u>		CUB	LE	Shallow	2 4 2	21	24S 34E	644523	3564266	2266 04/21/2016	04/24/2016	04/25/2016	610	431 JUSTIN MULLINS	1737
<u>C 03932 POD3</u>		CUB	LE		4 3 2	05	24S 34E	642442	3568787	2947 02/09/2016	02/10/2016	03/01/2016	100	LEE PETERSON	1222
<u>C 03932 POD8</u>		CUB	LE		4 2 4	07	24S 34E	641120	3566769	3219 02/08/2016	02/09/2016	03/01/2016	72	LEE PETERSON	1222
<u>C 04458 POD1</u>		CUB	LE		4 1 1	20	24S 34E	641549	3564532	3421 08/03/2020	08/03/2020	08/20/2020		0 ATKINS, JACKIE D.UELENER	1249
<u>C 04282 POD1</u>		С	LE	Shallow	1 2 1	05	24S 34E	641662	3569541	4027 11/19/2018	11/23/2018	03/27/2020	574	390 GLASSPOOLE, KRISTOPHER L.NER	1641
<u>C 03620 POD1</u>		CUB	LE	Shallow	1 4 3	32	23S 34E	641790	3569941	4257 04/10/2013	04/29/2013	06/18/2013	480	130 NORRIS, JOHN D. (LD)	1682
<u>C 04014 POD1</u>		CUB	LE	Shallow	1 1 3	06	24S 34E	639811	3568638	4989 02/13/2017	02/17/2017	03/03/2017	91	81 HAMMER, RODNEY	1186
Record Count: 8															
UTMNAD83 Rad	ius Searc	ch (in meter	<u>rs):</u>												
Easting (X):	544330.60	5		Northing	(Y):	35665	25.34		Radius: 50	00					

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

1/26/22 2:14 PM

WELLS WITH WELL LOG INFORMATION



				· ·					SW 4=S	,			
				(quar	rters a	are sr	nalles	t to larg	gest)	(NAD8	3 U1	ΓM in meters)	
Well Tag	PC	DD Number		Q64	Q16	Q4	Sec	Tws	Rng		Х	Y	
	С	03932 POD13		4	2	3	15	24S	34E	6453	14	3565203 🌍	
Driller Licens	se:	1222	Drill	er Co	omp	any	: PE	TER	SON D	RILLIN	G &	TESTING INC.	
Driller Name:	:	LEE PETERSON											
Drill Start Da	te:	02/10/2016	Drill	Finis	sh C	ate	:	02/1	1/2016	6 P	lug	Date:	
Log File Date	):	03/01/2016	PCW	/ Rcv	v Da	te:				S	our	ce:	
Pump Type:			Pipe	Disc	char	ge S	Size:			E	stir	mated Yield:	
Casing Size:			Dept	h W	ell:			90 f	eet	D	ept	h Water:	



			(quart	ters are 1=	NW 2=	NE 3=	=SW 4=SE	Ξ)		
			(qua	rters are s	mallest	to lar	gest)	(NAD83 U	rM in meters)	
Well Tag	P	OD Number	Q64	Q16 Q4	Sec	Tws	Rng	Х	Y	
	С	03943 POD1	2	4 2	21	24S	34E	644523	3564266	9
Driller Licer	nse:	1737	Driller Co	ompany	: SH	ADE	TREE	DRILLING		
Driller Name	<b>e</b> :	JUSTIN MULLIN	S							
Drill Start D	ate:	04/21/2016	Drill Fini	sh Date	:	04/2	24/2016	Plug	Date:	
Log File Dat	te:	04/25/2016	PCW Rc	v Date:				Sou	ce:	Shallow
Pump Type:	:		Pipe Dis	charge	Size:		Estir	nated Yiel	<b>d:</b> 5 GPM	
Casing Size	:	6.00	Depth W	ell:		610	) feet	Dept	h Water:	431 feet
	Nate	er Bearing Stratifi	cations:	Тор	Botte	om	Descrip	otion		
				39	4	31	Sandsto	one/Gravel	/Conglome	rate
		Casing Perfe	orations:	Тор	Botto	om				
				420	4	80				



	POD Number C 03932 POD3	(quarters are 1=NW (quarters are small <b>Q64 Q16 Q4 Se</b> 4 3 2 0	est to largest)	(NAD83 UTM in meters) X Y 642442 3568787 🌍	
Driller License Driller Name:	: 1222 LEE PETERSON		PETERSON DRI	LLING & TESTING INC.	
Drill Start Date Log File Date: Pump Type: Casing Size:	: 02/09/2016 03/01/2016	Drill Finish Date: PCW Rcv Date: Pipe Discharge Siz Depth Well:	02/10/2016 •: 100 feet	Plug Date: Source: Estimated Yield: Depth Water:	



Well Tag P C	<b>OD Number</b> 03932 POD8	(quarters are 1=NW (quarters are small <b>Q64 Q16 Q4 Se</b> 4 2 4 0	est to largest)	) (NAD83 UTM in meters) X Y 641120 3566769 🌍	
Driller License: Driller Name:	1222 LEE PETERSON	Driller Company:	PETERSON DR	ILLING & TESTING INC.	
Drill Start Date: Log File Date: Pump Type: Casing Size:	02/08/2016 03/01/2016	Drill Finish Date: PCW Rcv Date: Pipe Discharge Siz Depth Well:	02/09/2016 e: 72 feet	Plug Date: Source: Estimated Yield: Depth Water:	

Received by OCD: 3/14/2023 8:36:39 AM TAP ROCK CONTEST 211H GROUND WATER MAP

#### Legend

C03932 POD12 - 1647' FROM SITE NO GW DATA

Page 50 of 398

- 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

12821

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

128

2 mi

Google Earth

Released to Imaging: 3/21/2023 10:35:27 AM

# OSE PUBLIC PRINT



10/6/2021, 10:41:41 AM

1:18,056

### **GIS WATERS PODs**

• Active

### • Pending



Water Right Regulations



New Mexico State Trust Lands



SiteBoundaries

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

#### Received by OCD: 3/14/2023 8:36:39 AM

Page	<i>52</i>	0	f 398
		~	

Company	Name:	TAPROC	K RESO	URCES	Location	Name:	CONTEST	211 H		Release Date:	
		<b></b>	DID								N - 1
SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Soil	Notes
SP1	SURFACE	>4000 >4000		ND	ND	ND	ND	ND	10800		
	1' 2'	>4000									
	3'	>4000									
	4'	>4000 560									
	4 5'	400		ND	ND	ND	ND	ND	125		
	<u> </u>	400							125		
SP2	SURFACE	>4000		ND	ND	ND	ND	ND	14200	T [	
_	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		
	T	T	1		I	I	T	Ī	r		
SP3	SURFACE	>4000		ND	ND	ND	ND	ND	8160		
	1'	3280									
	2'	4000									
	3'	>4000									
	4'	>4000								<b>↓</b>	
6895	5'	>4000								<b>↓</b>	
SP3B	5'	80		ND	ND	ND	ND	ND	ND	<b>├</b>	NMOCD REQUESTED
	6'	>4000								<u> </u>	
	7' 8'	>4000								<u>├</u>	
	8' 9'	>4000								<u> </u>	
		>4000								<u> </u>	
	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							

	Page	55	01	f 398
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<b></b>	5'	>4000							1		
SP7B	5'	>4000		ND	ND	ND	ND	ND	8400		NMOCD REQUESTED
3878	6'	>4000		ND	ND	ND	ND	ND	6400		NIMOCD REQUESTED
	7'	>4000									
	8'	>4000									
	8 9'	>4000									
	10'	>4000									
SP7B	10'	>4000		ND	ND	ND	ND	ND	8370		NMOCD REQUESTED
JF / D	10	>4000		ND	ND	ND	ND	ND	8370		NMOCD REQUESTED
	13'	1600									
	15	880									
SP7B	15'	400		ND	ND	ND	ND	ND	371		NMOCD REQUESTED
5170	17'	160		ND	ND	ND	ND	ND	571		NINGED REQUESTED
	19'	80		ND	ND	ND	ND	ND	68.3		
		00							00.5		
SP8	SURFACE	>4000		ND	ND	ND	ND	ND	12600	[	
510	1'	560		ND	ND	ND	ND	ND	12000		
	2'	540									
	2	540 500		ND	ND	ND	ND	ND	499		
		500									
SP9	SURFACE	>4000	- T	ND	ND	ND	ND	ND	5140	[	
515	1'	2000		NB	ND		ND	ND	5140		
	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									
							1			1	

	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							

Page	5	7	of	3	9
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	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	
				I			I	-	
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	

SW15	SURF	800	ND	ND	ND	ND	ND	705	
	1'	400							
	2'	ND	ND	ND	ND	ND	ND	ND	
SW16	SURF	>4000	ND	ND	ND	ND	ND	6200	
	1'	1280							
	2'	240							
	3'	20	ND	ND	ND	ND	ND	20.9	
SW17	SURF	>4000	ND	ND	ND	ND	ND	13000	
	1'	3200							
	2'	400							
	3'	60	ND	ND	ND	ND	ND	63.1	

CONTEST #211 DELINEATION SAMPLE MAP



SW/3

°SP9

N12

<sup>9</sup>8P14

SW13

8**P8** <sup>©</sup>

SP13

SW4

**SP12** 

Psw11

0

**8P**7

SW10

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

SW2

SW1

0

Sw15

**SP10** 

**SP\$5** 

Psw14

0

**SP11** 

CONTEST FEDERAL COM #211H

CONTEST FEDERAL COM #211H

SR5

SRB

0

8**P**2

SW5

•

Sw9

SW6

0

SW7-

<sup>o</sup>BP1

SW/8

SW17

**9** SW16

#### 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
То:	'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


From: Sent:	Natalie Gladden <natalie@energystaffingllc.com> Thursday, December 23, 2021 1:51 PM</natalie@energystaffingllc.com>
To:	Hamlet, Robert, EMNRD
Cc:	'Bill Ramsey'; 'Christian Combs'; Bratcher, Mike, EMNRD; Hensley, Chad, EMNRD; Velez, Nelson, EMNRD
Subject:	Re: (Extension Approval) - Contest 211H - Tap Rock

Thank you and Merry Christmas. Natalie Gladden

From: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>
Sent: Thursday, December 23, 2021 1:37:49 PM
To: natalie@energystaffingllc.com <natalie@energystaffingllc.com>
Cc: 'Bill Ramsey' <Bramsey@taprk.com>; 'Christian Combs' <ccombs@taprk.com>; Bratcher, Mike, EMNRD
<mike.bratcher@state.nm.us>; Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Velez, Nelson, EMNRD
<Nelson.Velez@state.nm.us>
Subject: (Extension Approval) - Contest 211H - Tap Rock

RE: Incident #NAPP2127930986

Natalie,

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

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



From: natalie@energystaffingllc.com <natalie@energystaffingllc.com> Sent: Monday, December 20, 2021 12:18 PM To: ocdonline, emnrd, EMNRD <EMNRD.OCDOnline@state.nm.us>; Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us> Cc: 'Bill Ramsey' <Bramsey@taprk.com>; 'Christian Combs' <ccombs@taprk.com> Subject: [EXTERNAL] Extension Request - Contest 211H - Tap Rock Importance: High CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

All,

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

Incident No.: nAPP2127930986 DOR: 10/4/2020 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



From:	Hamlet, Robert, EMNRD <robert.hamlet@state.nm.us></robert.hamlet@state.nm.us>
Sent:	Tuesday, February 1, 2022 9:13 AM
То:	Natalie Gladden
Cc:	'Bill Ramsey'; 'Christian Combs'; Bratcher, Mike, EMNRD; Hensley, Chad, EMNRD; Velez,
	Nelson, EMNRD; Dakoatah Montanez; Nobui, Jennifer, EMNRD
Subject:	(Extension Denied) - Contest 211H - Tap Rock - NAPP2127930986

#### RE: Incident #NAPP2127930986

#### Natalie,

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

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



From: Natalie Gladden <natalie@energystaffingllc.com>
Sent: Monday, January 31, 2022 10:52 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>
Cc: 'Bill Ramsey' <Bramsey@taprk.com>; 'Christian Combs' <ccombs@taprk.com>; Bratcher, Mike, EMNRD
<mike.bratcher@state.nm.us>; Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Velez, Nelson, EMNRD
<Nelson.Velez@state.nm.us>; Dakoatah Montanez <dakoatah@energystaffingllc.com>
Subject: [EXTERNAL] RE: (Extension Approval) - Contest 211H - Tap Rock
Importance: High

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

All,

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

Sincerely,

**Director of Environmental and Regulatory Services** 

**Energy Staffing Services, LLC.** 

2724 NW County Road Hobbs, NM 88240 Cell: 575-390-6397 Office: 575-393-9048 Email: natalie@energystaffingllc.com



From: Hamlet, Robert, EMNRD <<u>Robert.Hamlet@state.nm.us</u>>
Sent: Thursday, December 23, 2021 1:38 PM
To: natalie@energystaffingllc.com
Cc: 'Bill Ramsey' <<u>Bramsey@taprk.com</u>>; 'Christian Combs' <<u>ccombs@taprk.com</u>>; Bratcher, Mike, EMNRD
<<u>mike.bratcher@state.nm.us</u>>; Hensley, Chad, EMNRD <<u>Chad.Hensley@state.nm.us</u>>; Velez, Nelson, EMNRD
<<u>Nelson.Velez@state.nm.us</u>>;
Subject: (Extension Approval) - Contest 211H - Tap Rock

RE: Incident #NAPP2127930986

Natalie,

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

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



From: natalie@energystaffingllc.com <natalie@energystaffingllc.com> Sent: Monday, December 20, 2021 12:18 PM To: ocdonline, emnrd, EMNRD <<u>EMNRD.OCDOnline@state.nm.us</u>>; Hensley, Chad, EMNRD <<u>Chad.Hensley@state.nm.us</u>>; Bratcher, Mike, EMNRD <<u>mike.bratcher@state.nm.us</u>>; Hamlet, Robert, EMNRD <<u>Robert.Hamlet@state.nm.us</u>> Cc: 'Bill Ramsey' <<u>Bramsey@taprk.com</u>>; 'Christian Combs' <<u>ccombs@taprk.com</u>> 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



From:	Natalie Gladden
Sent:	Wednesday, March 2, 2022 8:00 AM
То:	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



From:	Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us></mike.bratcher@state.nm.us>
Sent:	Wednesday, March 2, 2022 2:17 PM
To:	Natalie Gladden
Cc:	Christian Combs; 'Bill Ramsey'
Subject:	RE: [EXTERNAL] Tap Rock - Contest Federal Com 211H

Natalie,

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

Thank you,

Mike Bratcher 

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



From: Natalie Gladden <natalie@energystaffingllc.com> Sent: Wednesday, March 2, 2022 8:00 AM To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us> Cc: Christian Combs <ccombs@taprk.com>; 'Bill Ramsey' <Bramsey@taprk.com> Subject: [EXTERNAL] Tap Rock - Contest Federal Com 211H Importance: High

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

Mike,

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

Again, thank you for your understanding during this time.

## Natalíe 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





Legend

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

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- CONTEST FEDERAL COM #211H
- C EXCAVATION MAP CONTEST 8,301 SQ. FT.

CONTEST FEDERAL COM #211H

Reased to Imaging: 3/21/2028 10:35:27

CTTOLES ....

DOM: NO

### CONTEST EXCAVATION PHOTOS





















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From:	OCDOnline@state.nm.us
Sent:	Monday, April 25, 2022 11:49 AM
То:	Natalie Gladden
Subject:	The Oil Conservation Division (OCD) has rejected the application, Application ID: 90226

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

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

for the following reasons:

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

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 90226. Please review and make the required correction(s) prior to resubmitting. If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

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

### New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive Santa Fe, NM 87505 Released to Imaging: 3/21/2023 10:35:27 AM

Received by OCD: 3/14/2023 8:36:39 AM State of New Mexico

Oil Conservation Division

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Incident ID	
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

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

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

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

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

- 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 <sup>1</sup>/<sub>2</sub>-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.

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Received by OCD: 3/14/2023 8:36:39 AM Form C-141 State of New Mexico			Page 93 of 398
Form C-141		Incident ID	
Page 4	Oil Conservation Division	District RP	
		Facility ID	
		Application ID	
regulations all opera public health or the failed to adequately addition, OCD accep and/or regulations. Printed Name: Signature: email:natalie@e	the information given above is true and complete to the best of my known ators are required to report and/or file certain release notifications and p environment. The acceptance of a C-141 report by the OCD does not a investigate and remediate contamination that pose a threat to groundw ptance of a C-141 report does not relieve the operator of responsibility NATALIE GLADDEN Title: DIRECTOR OF ENVIRO Date: 3 energystaffingllc.com Telephone: 575	perform corrective actions for releases which n relieve the operator of liability should their operator, surface water, human health or the enviro for compliance with any other federal, state, o <u>ONMENTAL AND REGULATORY</u>	nay endanger erations have onment. In
OCD Only			
Received by:	Date		

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Received by OCD: 3/14/2023 8:36:39 AM Form C-141 State of New Mexico

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Oil Conservation Division

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Incident ID	
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# **Remediation Plan**

<u>Remediation Plan Checklist</u> : Each of the following items must be included in the plan.
<ul> <li>Detailed description of proposed remediation technique</li> <li>Scaled sitemap with GPS coordinates showing delineation points</li> <li>Estimated volume of material to be remediated</li> <li>Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC</li> <li>Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)</li> </ul>
Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
Extents of contamination must be fully delineated.
Contamination does not cause an imminent risk to human health, the environment, or groundwater.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.  Printed Name: Labelie Gladden Title: Director & Env + Reg. Signature: Date: 313/22 email: Labolic Genergy Staty 1k com Telephone: 575-340-0397
OCD Only
Received by:    Date:
Approved Approved with Attached Conditions of Approval Denied Deferral Approved
Signature: Date:



## CONTEST FEDERAL COM #211H REMEDIATION WORKPLAN REQUEST

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

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

July 12, 2022

**Prepared by:** 



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

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

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

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

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

API No. 30-025-46678 Incident No. NAPP2127930986 Unit Letter P, Section 9, Township 24 South, Range 34 East Lea County, New Mexico

To Whom it May Concern:

Tap Rock Operating has retained Energy Staffing Services (ESS), to conduct a spill assessment, delineation, and remediation for the Contest Federal Com #211H (hereafter referred to as the "Contest"), for the produced water release that occurred on October 4<sup>th</sup>, 2021. ESS provided the immediate notification of the release to the *New Mexico Oil Conservation Division (NMOCD)*, District I Office and to the *Bureau of Land Management (BLM)*. Notification was submitted via email on October 6<sup>th</sup>, 2021, at 6:12 a.m. On behalf of Tap Rock Operating, ESS submitted the initial C141 Release Notification, along with the spill calculator form used to determine the volume of the release (attached) on same said date. The NMOCD and the BLM accepted the initial C141 as record on same said date and assigned the NMOCD Incident ID Number of NAPP2127930986 to this release (Attached). On October 6<sup>th</sup>, the BLM contacted ESS to research the area for an Arch Survey. The survey was cleared on March 2, 2022. (See email attached).

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

### **Incident Description**

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

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

#### **Site Characterization**

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

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

The United States Department of Agriculture Natural Resources Conservation Services, indicates that the soil type found in the area of the Contest, consists of 100% Berino-Cacique Association, hummocky. (Soil Map Attached). In the area of the Contest, the FEMA National Flood Hazard Layer indicates that there is a 0.2% annual chance of a flood hazard in this area (see map attached).

There is "low potential" for Karst Geology to be present near the Contest site, according to the *United States Department of the Interior, Bureau of Land Management*. Please find the Karst Map attached herein.

There is no surface water located near or around the Contest release area. This site is not near a continuously flowing watercourse and/or lakebed within ½ mile from the release. No other critical or community features at the Contest were found. (Attached Watercourse Map).

The nearest and most recent water well to the site according to the *New Mexico Office of the State Engineer* is C03932 POD 13, the well was drilled in 2016, 1647' from the site, depth of the well is 90'bgs, but no water level data available. The next POD is C03943 POD1, was drilled in 2016, 2266' from the site, depth of well is 610' showing 431'bgs. C03932 POD3, drilled in 2006, 2947' from the site, depth of well is 100' with no water level data available. C03932 POD8, drilled in 2016, 3219' from the site, depth of well is 72' with no water level data available. An extended groundwater search was conducted using the *OSE POD Location Mapping* System and it has been determined that, no well exists within a ½ a mile radius of the Contest release. ESS has requested permission from Quill ranch to drill a borehole between the Contest Federal Com 211H well and the release point, but access was denied. ConocoPhillips leases the land and ESS requested permission to drill a borehole, as directed by the Quill ranch and approval was not granted. Please find the NMOSE, OSE POD and the groundwater map attached to this report.

### **Closure Criteria Determination**

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

DGW	Constituent	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.

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

#### SURFACE LAB ANALYSIS

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

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

#### VERTICAL BO OM HOLE SAMPLES

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

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

### HORIZONTAL DELINEATION SAMPLE DATA

· · · · · ·									¥
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						
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 horizonal and vertical migration of contaminates. This indicates that the line was leaking for some time before it surfaced. The impacted area was excavated to 4'bgs and hauled to Owl Disposal. A total of 1,232 cubic yards

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

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

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

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

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

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

Sincerely,

Halie Gladden

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



#### Attachments:

**Spill Notification** Initial C141 and Spill Calculator Form Impact Map **Initial Site Photos** Site Map **Rangeland and Vegetation Classification** Soil Map FEMA National Flood Hazard Layer Map Karst Geology Map Surface Water Map **Groundwater Information Groundwater Map OSE POD Map Extension Emails** Delineation Sample Data (including inserts for Surface and Final Lab Analysis) **Delineation Sample Map** Lab Analysis (including additional labs for delineation) **Delineation Site Photos Excavation Site Map Excavation Site Photos** Work-plan Denial Email **Remediation Plan C141** 

From:	natalie@energystaffingllc.com
From,	
Sent:	Wednesday, October 6, 2021 7:12 AM
То:	'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: <u>natalie@energystaffingllc.com</u>



Received by OCD: 3/14/2023 8:36:39 AM Form C-141 State of New Mexico

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Oil Conservation Division

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## 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?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🛛 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🛛 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	🗋 Yes 🖂 No

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
   Field data
- Data table of soil contaminant concentration data
- $\boxtimes$  Depth to water determination
- $\boxtimes$  Determination of water sources and significant watercourses within  $\frac{1}{2}$ -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.

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rofin C-141		Incident ID	
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		Facility ID	
		Application ID	
regulations all oper public health or the failed to adequately addition, OCD acc and/or regulations. Printed Name: Signature: email: <u>natalie@</u>	at the information given above is true and complete to the best of my knowl rators are required to report and/or file certain release notifications and perf e environment. The acceptance of a C-141 report by the OCD does not reli y investigate and remediate contamination that pose a threat to groundwater reptance of a C-141 report does not relieve the operator of responsibility for NATALIE GLADDEN Title: DIRECTOR OF ENVIRON Date: 311 Denergystaffingllc.com Telephone: 575-39	form corrective actions for releases which may endanger eve the operator of liability should their operations have r, surface water, human health or the environment. In compliance with any other federal, state, or local laws MENTAL AND REGULATORY	
OCD Only			
Received by:	Date:		

.
Received by OCD: 3/14/2023 8:36:39 AM Form C-141 State of New Mexico

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# **Remediation Plan**

<u>Remediation Plan Checklist</u> : Each of the following items must be included in the plan.
<ul> <li>Detailed description of proposed remediation technique</li> <li>Scaled sitemap with GPS coordinates showing delineation points</li> <li>Estimated volume of material to be remediated</li> <li>Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC</li> <li>Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)</li> </ul>
D. f. 1 D. mark O. h. Each of the following items must be confirmed as a set of any negregation defended of negregation
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: Latie Gladden Title: Director of Env + Reg.
Signature: police Geladden Date: 3/13/22
Printed Name: <u>Abalie Gladden</u> Signature: <u>Abelie Gladden</u> email: <u>Latale Genergy Styling IK com</u> Telephone: <u>575-390-(1397)</u>
OCD Only
Received by: Date:
Approved With Attached Conditions of Approval Denied Deferral Approved
Signature: <u>Jennifer Nobui</u> <u>Date:</u> 07/20/2022

## Natalie Gladden

From:	Nobui, Jennifer, EMNRD <jennifer.nobui@state.nm.us></jennifer.nobui@state.nm.us>
Sent:	Tuesday, August 23, 2022 8:05 AM
То:	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,

Received by OCD: 3/14/2023 8:36:39 AM

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:	ТАР	ROCK		Location	Name:	CONTEST	CONTEST FED COM 211H		Release Date:	10/4/2021
SP ID	Depth	Titr	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	Notes
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

CONTEST FEDERAL COM #211H COMPOSITE MAP

#### Legend

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- O EXCAVATION AREA
- HORIZONTAL COMPOSITES
- VERTICAL COMPOSITES

CONTEST FEDERAL COM #211H







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:	E111134

Job Number: 20046-0001

Received: 11/23/2021

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/24/21

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 11/24/21

Natalie Gladden 7 W. Compress Road Artesia, NM 88210

Project Name: Contest 211 H Workorder: E111134 Date Received: 11/23/2021 12:00:00PM

Natalie Gladden,



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

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

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

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

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

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services

Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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#### **Sample Summary**

		Sample Sum	mai y		
Tap Rock 7 W. Compress Road Artesia NM, 88210		Project Name: Project Number: Project Manager:	Contest 211 H 20046-0001 Natalie Gladden		<b>Reported:</b> 11/24/21 13:28
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
P1-Surf	E111134-01A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.
P2-Surf	E111134-02A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.
P3-Surf	E111134-03A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.
P4-Surf	E111134-04A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.
P5-Surf	E111134-05A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.
P6-Surf	E111134-06A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.
P7-Surf	E111134-07A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.
P8-Surf	E111134-08A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.
P9-Surf	E111134-09A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.
P10-Surf	E111134-10A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.
P11-Surf	E111134-11A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.
P12-Surf	E111134-12A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.
P13-Surf	E111134-13A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.
P14-Surf	E111134-14A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.
P15-Surf	E111134-15A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.
P16-Surf	E111134-16A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.
P17-Surf	E111134-17A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.
P1-5'	E111134-18A	Soil	11/15/21	11/23/21	Glass Jar, 4 oz.



		ampic D				
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name Project Numb Project Manaş	er: 2004	test 211 H 46-0001 1lie Gladden			<b>Reported:</b> 11/24/2021 1:28:30PM
		SP1-Surf				
		E111134-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: RKS		Batch: 2148015
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
o-Xylene	ND	0.0250	1	11/23/21	11/23/21	
o,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Fotal Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		91.8 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.0 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: JL		Batch: 2148014
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Dil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		119 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: IY		Batch: 2148016
Chloride	10800	400	20	11/23/21	11/24/21	

# Sample Data



# Sample Data

	b	bample D	ala			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name Project Numl Project Mana	ber: 2004	test 211 H 46-0001 alie Gladden			<b>Reported:</b> 11/24/2021 1:28:30PM
	Troject Mund	SP2-Surf				
		E111134-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	:: RKS		Batch: 2148015
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
o-Xylene	ND	0.0250	1	11/23/21	11/23/21	
p,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
urrogate: 4-Bromochlorobenzene-PID		94.3 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2148015	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.9 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	:: JL		Batch: 2148014
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Dil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		120 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	:: IY		Batch: 2148016
Chloride	14200	400	20	11/23/21	11/24/21	



# Sample Data

	56	ampie D	ala			
Tap Rock 7 W. Compress Road	Project Name: Project Numbe		test 211 H 46-0001		Reported:	
Artesia NM, 88210	Project Manager:		alie Gladden		11/24/2021 1:28:30PM	
		SP3-Surf				
		E111134-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: RKS		Batch: 2148015
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
oluene	ND	0.0250	1	11/23/21	11/23/21	
-Xylene	ND	0.0250	1	11/23/21	11/23/21	
,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
urrogate: 4-Bromochlorobenzene-PID		95.2 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
urrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g Analyst: JL			Batch: 2148014
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Dil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
urrogate: n-Nonane		116 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: IY		Batch: 2148016
Chloride	8160	400	20	11/23/21	11/24/21	



# Sample Data

	3	ample D	ลเล			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name Project Numb Project Manaş	er: 2004	test 211 H 46-0001 Ilie Gladden			<b>Reported:</b> 11/24/2021 1:28:30PM
		SP4-Surf				
		E111134-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: RKS		Batch: 2148015
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
p-Xylene	ND	0.0250	1	11/23/21	11/23/21	
o,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Fotal Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		94.5 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	:: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2148014
Diesel Range Organics (C10-C28)	747	25.0	1	11/23/21	11/23/21	
Dil Range Organics (C28-C36)	536	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		114 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	:: IY		Batch: 2148016
Chloride	16700	1000	50	11/23/21	11/24/21	



# Sample Data

	5	ampic D	aia			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name Project Numb Project Mana	ber: 2004	test 211 H 46-0001 ılie Gladden			<b>Reported:</b> 11/24/2021 1:28:30PM
		SP5-Surf				
		E111134-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: 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	
Foluene	ND	0.0250	1	11/23/21	11/23/21	
o-Xylene	ND	0.0250	1	11/23/21	11/23/21	
o,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
urrogate: 4-Bromochlorobenzene-PID		96.5 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2148014
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Dil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
Gurrogate: n-Nonane		108 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: IY		Batch: 2148016
Chloride	4220	100	5	11/23/21	11/24/21	



# Sample Data

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Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name Project Numb Project Manaş	er: 2004	test 211 H 46-0001 Ilie Gladden			<b>Reported:</b> 11/24/2021 1:28:30PM
		SP6-Surf				
		E111134-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: RKS		Batch: 2148015
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
o-Xylene	ND	0.0250	1	11/23/21	11/23/21	
p,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Fotal Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		96.4 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	: JL		Batch: 2148014
Diesel Range Organics (C10-C28)	164	25.0	1	11/23/21	11/23/21	
Dil Range Organics (C28-C36)	151	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		113 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: IY		Batch: 2148016
Chloride	19400	1000	50	11/23/21	11/24/21	



# Sample Data

	5	ample D	ala			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name Project Numb Project Mana	ber: 2004	test 211 H 46-0001 alie Gladden			<b>Reported:</b> 11/24/2021 1:28:30PM
		SP7-Surf				
		E111134-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: RKS		Batch: 2148015
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Foluene	ND	0.0250	1	11/23/21	11/23/21	
p-Xylene	ND	0.0250	1	11/23/21	11/23/21	
o,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Fotal Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		97.4 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	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	
Surrogate: n-Nonane		122 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: IY		Batch: 2148016
Chloride	30700	2000	100	11/23/21	11/24/21	



# Sample Data

	3	ample D	ala			
Tap Rock	Project Name		test 211 H		<b>D</b>	
7 W. Compress Road Artesia NM, 88210	Project Number: Project Manager:		46-0001 alie Gladden		<b>Reported:</b> 11/24/2021 1:28:30PM	
Artesia NM, 88210	Project Manag	ger: Nata	alle Gladdell			11/24/2021 1.28.30FM
		SP8-Surf				
		E111134-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: RKS		Batch: 2148015
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
p-Xylene	ND	0.0250	1	11/23/21	11/23/21	
p,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		98.3 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	:: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	rg 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	
Surrogate: n-Nonane		60.1 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	:: IY		Batch: 2148016
Chloride	12600	400	20	11/23/21	11/24/21	



# Sample Data

	~	ampic D				
Tap Rock 7 W. Compress Road	Project Name Project Numb		Contest 211 H 20046-0001			<b>Reported:</b> 11/24/2021 1:28:30PM
Artesia NM, 88210	Project Mana	ger: Nata	alie Gladden			
		SP9-Surf				
		E111134-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	: RKS		Batch: 2148015
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
p-Xylene	ND	0.0250	1	11/23/21	11/23/21	
o,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Fotal Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		96.8 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2148014
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Dil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		93.5 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: IY		Batch: 2148016
Chloride	5140	100	5	11/23/21	11/24/21	

# Sample Data

	50	ample D	aia			
Tap Rock	Project Name:	Con	test 211 H			
7 W. Compress Road	Project Numbe	er: 2004	46-0001	Reported:		
Artesia NM, 88210	Project Manag	er: Nata	alie Gladden			11/24/2021 1:28:30PM
		SP10-Surf				
		E111134-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	: RKS		Batch: 2148015
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
p-Xylene	ND	0.0250	1	11/23/21	11/23/21	
p,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		97.5 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	: JL		Batch: 2148014
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		117 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	: IY		Batch: 2148016
Chloride	12900	400	20	11/23/21	11/24/21	



# Sample Data

	5	ample D	ala			
Tap Rock 7 W. Compress Road	Project Name Project Numb		test 211 H 46-0001			Reported:
Artesia NM, 88210	Project Mana	ger: Nata	ilie Gladden			11/24/2021 1:28:30PM
		SP11-Surf				
		E111134-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	:: RKS		Batch: 2148015
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
p-Xylene	ND	0.0250	1	11/23/21	11/23/21	
o,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		92.1 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	:: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.5 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	:: JL		Batch: 2148014
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Dil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		118 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	:: IY		Batch: 2148016
Chloride	7320	200	10	11/23/21	11/24/21	



## Sample Data

	3	ample D	ลเล			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name Project Numb Project Manaş	per: 2004	test 211 H 46-0001 1lie Gladden			<b>Reported:</b> 11/24/2021 1:28:30PM
		SP12-Surf				
		E111134-12				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: RKS		Batch: 2148015
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
o-Xylene	ND	0.0250	1	11/23/21	11/23/21	
o,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
urrogate: 4-Bromochlorobenzene-PID		95.1 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.1 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2148014
Diesel Range Organics (C10-C28)	67.5	25.0	1	11/23/21	11/23/21	
Dil Range Organics (C28-C36)	64.7	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		115 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: IY		Batch: 2148016
Chloride	45000	2000	100	11/23/21	11/24/21	



## Sample Data

	5	ample D	ลเล			
Tap Rock	Project Name:	Con	test 211 H			
7 W. Compress Road	Project Numb	er: 2004	46-0001	Reported:		
Artesia NM, 88210	Project Manag	ger: Nata	alie Gladden			11/24/2021 1:28:30PM
		SP13-Surf				
		E111134-13				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	:: RKS		Batch: 2148015
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
p-Xylene	ND	0.0250	1	11/23/21	11/23/21	
o,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	:: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.7 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		116 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	:: IY		Batch: 2148016
Chloride	10400	400	20	11/23/21	11/24/21	



# Sample Data

	6	ample D	ala			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name Project Numb Project Manag	ber: 2004	test 211 H 46-0001 alie Gladden			<b>Reported:</b> 11/24/2021 1:28:30PM
		SP14-Surf				
		E111134-14				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: RKS		Batch: 2148015
Benzene	ND	0.0250	1	11/23/21	11/23/21	
thylbenzene	ND	0.0250	1	11/23/21	11/23/21	
oluene	ND	0.0250	1	11/23/21	11/23/21	
-Xylene	ND	0.0250	1	11/23/21	11/23/21	
,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
otal Xylenes	ND	0.0250	1	11/23/21	11/23/21	
urrogate: 4-Bromochlorobenzene-PID		97.8 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
urrogate: 1-Chloro-4-fluorobenzene-FID		89.8 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2148014
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Dil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
urrogate: n-Nonane		116 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: IY		Batch: 2148016
Chloride	30800	2000	100	11/23/21	11/24/21	



# Sample Data

	2	bample D	ala			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name Project Num Project Mana	ber: 2004	test 211 H 46-0001 alie Gladden			<b>Reported:</b> 11/24/2021 1:28:30PM
	-	SP15-Surf				
		E111134-15				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2148015
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
p-Xylene	ND	0.0250	1	11/23/21	11/23/21	
p,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		94.4 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.0 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2148014
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		115 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: IY		Batch: 2148016
Chloride	ND	20.0	1	11/23/21	11/24/21	



# Sample Data

	56	ample D	ala			
Tap Rock	Project Name:	Con	test 211 H			
7 W. Compress Road	Project Numbe	er: 2004	46-0001			Reported:
Artesia NM, 88210	Project Manag	er: Nata	lie Gladden			11/24/2021 1:28:30PM
		SP16-Surf				
		E111134-16				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: RKS		Batch: 2148015
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
p-Xylene	ND	0.0250	1	11/23/21	11/23/21	
o,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Fotal Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		94.9 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.3 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: JL		Batch: 2148014
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Dil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		115 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: IY		Batch: 2148016
Chloride	60.3	20.0	1	11/23/21	11/24/21	



## Sample Data

	5	ample D	ala			
Tap Rock 7 W. Compress Road	Project Name Project Numb		test 211 H 46-0001			Reported:
Artesia NM, 88210	Project Manag		ilie Gladden			11/24/2021 1:28:30PM
		SP17-Surf				
		E111134-17				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: RKS		Batch: 2148015
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
o-Xylene	ND	0.0250	1	11/23/21	11/23/21	
o,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		97.4 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	: JL		Batch: 2148014
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Dil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		117 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: IY		Batch: 2148016
Chloride	16800	1000	50	11/23/21	11/24/21	



# Sample Data

	5	ampic D	ala			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name Project Numł Project Mana	ber: 2004	test 211 H 46-0001 Ilie Gladden			<b>Reported:</b> 11/24/2021 1:28:30PM
		SP1-5'				
		E111134-18				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: RKS		Batch: 2148015
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
o-Xylene	ND	0.0250	1	11/23/21	11/23/21	
o,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
urrogate: 4-Bromochlorobenzene-PID		97.9 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2148015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
urrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2148014
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Dil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
Gurrogate: n-Nonane		115 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: IY		Batch: 2148016
Chloride	125	20.0	1	11/23/21	11/24/21	

# **OC Summary Data**

		VC D		ary Data	•				
Tap Rock 7 W. Compress Road Artesia NM, 88210		Project Name: Project Number: Project Manager:	2	Contest 211 H 0046-0001 Jatalie Gladden					<b>Reported:</b> 11/24/2021 1:28:30PM
		Volatile O	rganics	by EPA 8021	B				Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2148015-BLK1)							Prepared: 1	1/23/21 <i>A</i>	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: 1	1/23/21 A	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			
p-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: 1	1/23/21 A	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	
p-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:	С	ontest 211 H					Reported:
7 W. Compress Road		Project Number	: 20	0046-0001					-
Artesia NM, 88210		Project Manager	r: N	atalie Gladden					11/24/2021 1:28:30PM
	No	onhalogenated	Organics	by EPA 801	[ <b>5D - G</b> ]	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2148015-BLK1)							Prepared: 1	1/23/21	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: 1	1/23/21	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: 1	1/23/21	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**

		$\chi \cup \gamma$		i j Data	·				
Tap Rock 7 W. Compress Road Artesia NM, 88210		Project Name: Project Number: Project Manager:	20	ontest 211 H )046-0001 atalie Gladden					<b>Reported:</b> 11/24/2021 1:28:30PM
Artesia INIVI, 88210		Project Manager.	IN	atalle Gladdell					11/24/2021 1.28.30FW
	Nonha	alogenated Org	anics by	EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (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: n-Nonane	61.5		50.0		123	50-200			
LCS (2148014-BS1)							Prepared:	11/23/21	Analyzed: 11/23/21
Diesel Range Organics (C10-C28)	562	25.0	500		112	38-132			
Surrogate: n-Nonane	60.6		50.0		121	50-200			
Matrix Spike (2148014-MS1)				Source: I	E111134-0	)4	Prepared:	11/23/21	Analyzed: 11/23/21
Diesel Range Organics (C10-C28)	1340	50.0	500	747	118	38-132			
Surrogate: n-Nonane	59.7		50.0		119	50-200			
Matrix Spike Dup (2148014-MSD1)				Source: I	E <b>111134-</b> 0	)4	Prepared:	11/23/21	Analyzed: 11/23/21
Diesel Range Organics (C10-C28)	1300	50.0	500	747	110	38-132	3.26	20	
Surrogate: n-Nonane	61.9		50.0		124	50-200			



# **QC Summary Data**

		$\mathbf{x} \in \mathbf{v}$	••••••							
Tap Rock 7 W. Compress Road Artesia NM, 88210		Project Name: Project Number: Project Manager:	2	Contest 211 H 0046-0001 Vatalie Gladder	1				<b>Report</b> 11/24/2021 1:	
		Anions	by EPA	300.0/9056 <i>A</i>	١				Analyst: P	ř
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limi %		es
Blank (2148016-BLK1)							Prepared:	11/23/21	Analyzed: 11/2	3/21
Chloride LCS (2148016-BS1)	ND	20.0					Prepared: 1	11/23/21	Analyzed: 11/2	3/21
Chloride Matrix Spike (2148016-MS1)	247	20.0	250	Source:	98.9 E111134-0	90-110 <b>1</b>	Prepared: 1	11/23/21	Analyzed: 11/2	3/21
Chloride	10900	400	250	10800	38.8	80-120			М	
Matrix Spike Dup (2148016-MSD1)				Source:	E111134-0	1	Prepared:	11/23/21	Analyzed: 11/2	3/21
Chloride	11900	400	250	10800	428	80-120	8.55	20	М	5

QC Summary Report Comment:

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



	Demicion		
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.



Pro	ject	Information
	1000	monucion

Client:	Tapi	COCK			Bill To					ab Us	se On	ly					TA	T	EPA P	rogram
Project:	·Ce	ontest	t 211	H	Attention: ESS		Lab	WO#	#		Job	Num	ber	01	1D,	2D	3D	Standard	CWA	SDW
ddress:		Natali	e		Address: City, State, Zip		EI	111	34		200	_			Y	_				DCD
City, Stat					Phone:		-	1			Analy	/sis ai		ethod		-	-	-		RCR
hone:					Email:			2						5)		r b			State	
mail:							V 80.	y 801	-			0.0	0	Q 100				NM CO	UT AZ	TX
Report d	ue by:						ROb	RO b	/ 802	826(	6010	e 30(	SDOC	TPH (TCEQ 1005)				X		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Numbe	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM - BGDOC	тх - трн					Remarks	
	11/15/21	5	1	SF	PI- Surf	1	3						×							
-2	1	(	1	SI	2- surf	2							(							
					3- surf	3														
	5			SF	4- shrf	4														
				S	P5- surf	5							1							
			1	SP	16 - surf	6							1							
				SP	7 - surf	7							1							
				SP	8- surf	8							1							_
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		J		SP	10-surf	10							l							
ddition	al Instruction	15:																		
				of this sample. I am awa	are that tampering with or intentionally misla on. <u>Sampled by:</u>	belling the sample loc	ation,				10000							ved on ice the day the °C on subsequent da	A CONTRACTOR OF A CONTRACT OF A CONTRACT. CONTRACT OF A CONTRACT. CONTRACT OF A CONTRACT. CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT. CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT. CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT. CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT. CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT. CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT. CONTRACT OF A CONTRACT OF A CONTRA	or receive
be	alie	Dade	der 1	19/21 Time	Received by: (Signature)	6 11.2	221	Time	10	2	Rece	eived	on i	ce:	Y		e Onl	Ŷ		
A	ed by: (Signature	1-		22.21 16			15/21		:00	C	<u>T1</u>			_	<u>T2</u>			<u>T3</u>		
elinquishe	ed by: (Signature	e)	Date	Time	Received by: (Signature)	Date		Time			AVG	Tem	p°C	4						
	ix: <b>S</b> - Soil, <b>Sd</b> - So					Contain														
ote: Samp	oles are discarde	ed 30 days	after result	s are reported unles	s other arrangements are made. Haza ry with this COC. The liability of the lab	rdous samples will	be retur	rned to	o clien	t or d	ispose	ed of a	at the	client	expen	se. 7	he rep	oort for the anal	ysis of the a	ibove

Page \_ of \_ Rece

Re	roject Informatio	n
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Chain of Custody

Page \_2\_ of \_2\_cer

Client:							Bill To				Li	ab Us	e Only				TAT				EPA P	rogram
Project: <u>Contest 2114</u> <u>Attention: ESS</u>							ESS		Lab WO#				Job Number				1D 2D 3D			Standard	CWA	SDWA
Project Manager: Natalie Address: Address: City, State, Zip									E111134				Analysis and Method					E			12.2	
City, Sta						<u>City, State, Zip</u> Phone:		-	-	-	-	-	Analy	sis ar	nd Me	thod	1	-		_		RCRA
Phone:	(e, 2)p					Email:			5	5						~					Ctata	
Email:									801	801				0		1005				NMI CO	State	TX
Report	lue by:								O by	O by	8021	3260	010	300.	DOC	TCEQ				X	OT AZ	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	)			Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM - BGDOC	ТХ - ТРН (ТСЕQ 1005)					Remarks	
	11/15/21	S	I		SPIL	- surf		11							X							
	1	0	1			2 - Surf		12							(							
						- surf		13														
						- Surf		14							1							
					P 15	- surf		15														
				S	Plle	- surf	2	1.0							1							
				S	PIT	- Surf		17							(							
		1	1	5	SPI-			18							1					-		C
	(																					
Addition	nal Instructio	ns:																				
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. <u>Sampled by:</u>								ion,	packed in ice at an avg temp above 0 but less than 6 <sup>b</sup> C on subsequent days.										or received			
Refinquished by: (Signature) Date Relinquished by: (Signature) Relinquished by: (Signature) Date Date Time Received by: (Signature) Date Time Received by: (Signature) Date Time Received by: (Signature) Received by: (Signature)						allab	Date 11.22 Date	21	Time			Received on ice:					b Use Y N	e Only				
Relinquished by: (Signature) Date Time				/16 5 Time	SO Received by: (Signature)			21	L 12:00		Q	<u>T1</u>				<u>T2 T3</u>			<u>T3</u>			
0	~												AVG	Гет	2° q	4	1					
	rix: <b>S</b> - Soil, <b>Sd</b> - S							Container	Туре	: g - g	lass,	p - po	ly/pla	stic,	ag - ar	mber	glas	s, v - \	VOA			
Note: Sam	ples are discard	led 30 days	after result	s are report	ted unless otl	ner arrangements are	e made. Hazardous sa	mples will be	retur	ned to	o clien	t or di	sposed	ofa	t the c	lient e	expen	nse. T	he repo	ort for the analy	sis of the a	bove
samples is	applicable only	to those sa	mples rece	ived by the	laboratory w	ith this COC. The liabi	ility of the laboratory	s limited to t	ne am	ount p	baid fo	or on t	he rep	ort.				_				
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											. (	3	3	6		n			r	ot	01	>h
															-						60	<b>•</b>
#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Client:	Tap Rock D	ate Received:	11/23/21	12:00	Work Order ID: E111134
Phone:	(575) 390-6397 D	ate Logged In:	11/23/21	12:28	Logged In By: Alexa Michaels
Email:		ue Date:	11/23/21	17:00 (0 day TAT)	
Chain of	<u>f Custody (COC)</u>				
1. Does t	the sample ID match the COC?		Yes		
2. Does t	the number of samples per sampling site location match	the COC	Yes		
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: F	edEx
4. Was th	he COC complete, i.e., signatures, dates/times, requested	d analyses?	No		
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Comments/Resolution
Sample '	<u>Turn Around Time (TAT)</u>				<b>T A A A A A A A A A A</b>
6. Did th	ne COC indicate standard TAT, or Expedited TAT?		Yes		Time Sampled was not provided on COC
Sample	<u>Cooler</u>				
7. Was a	sample cooler received?		Yes		
8. If yes,	, was cooler received in good condition?		Yes		
9. Was th	he sample(s) received intact, i.e., not broken?		Yes		
10. Were	e custody/security seals present?		No		
11. If yes	s, were custody/security seals intact?		NA		
12. Was t	he sample received on ice? If yes, the recorded temp is 4°C, i.e Note: Thermal preservation is not required, if samples are re- minutes of sampling	,	Yes		
13. If no	visible ice, record the temperature. Actual sample te	mperature: 4°	с		
	<u>Container</u>	-			
	aqueous VOC samples present?		No		
	VOC samples collected in VOA Vials?		NA		
	e head space less than 6-8 mm (pea sized or less)?		NA		
	a trip blank (TB) included for VOC analyses?		NA		
	non-VOC samples collected in the correct containers?		Yes		
	appropriate volume/weight or number of sample container	s collected?	Yes		
Field La					
	e field sample labels filled out with the minimum inform	nation:			
	Sample ID?		Yes		
	Date/Time Collected?		Yes	L	
	Collectors name?		No		
	<u>Preservation</u> s the COC or field labels indicate the samples were pres	erved?	No		
	sample(s) correctly preserved?		NO		
	b filteration required and/or requested for dissolved met	als?	No		
	ase Sample Matrix		110		
-	s the sample have more than one phase, i.e., multiphase	)	No		
	s, does the COC specify which phase(s) is to be analyze		NO NA		
		····	INA		
	tract Laboratory	<b>`</b>	<u>٦</u>		
	samples required to get sent to a subcontract laboratory		No		274
79 Was	a subcontract laboratory specified by the client and if so	o who?	NA	Subcontract Lab	r NA

B

Date

envirotech Inc.

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

•





5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Tap Rock

Project Name: Contest 211 H

Work Order:	E111135

Job Number: 20046-0001

Received: 11/23/2021

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/24/21

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 11/24/21

Natalie Gladden 7 W. Compress Road Artesia, NM 88210

Project Name: Contest 211 H Workorder: E111135 Date Received: 11/23/2021 12:00:00PM

Natalie Gladden,



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

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

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

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

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

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

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Envirotech Web Address: www.envirotech-inc.com

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#### Sample Summary

		Sample Sum	mary		
Tap Rock		Project Name:	Contest 211 H		Reported:
7 W. Compress Road		Project Number:	20046-0001		Reporteu.
Artesia NM, 88210		Project Manager:	Natalie Gladden		11/24/21 13:26
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW1-6'	E111135-01A	Soil	11/18/21	11/23/21	Glass Jar, 4 oz.
SW2-Surf	E111135-02A	Soil	11/22/21	11/23/21	Glass Jar, 4 oz.
SW2-2'	E111135-03A	Soil	11/18/21	11/23/21	Glass Jar, 4 oz.
SW3-2'	E111135-04A	Soil	11/22/21	11/23/21	Glass Jar, 4 oz.
SW4-Surf	E111135-05A	Soil	11/18/21	11/23/21	Glass Jar, 4 oz.
SW4-2'	E111135-06A	Soil	11/22/21	11/23/21	Glass Jar, 4 oz.
SW5-2'	E111135-07A	Soil	11/22/21	11/23/21	Glass Jar, 4 oz.
SW6-Surf	E111135-08A	Soil	11/18/21	11/23/21	Glass Jar, 4 oz.
SW6-2'	E111135-09A	Soil	11/22/21	11/23/21	Glass Jar, 4 oz.
SW7-2'	E111135-10A	Soil	11/22/21	11/23/21	Glass Jar, 4 oz.
SW8-Surf	E111135-11A	Soil	11/18/21	11/23/21	Glass Jar, 4 oz.
SW8-2'	E111135-12A	Soil	11/22/21	11/23/21	Glass Jar, 4 oz.



		ampic D				
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numb Project Manag	er: 2004	test 211 H 46-0001 Ilie Gladden			<b>Reported:</b> 11/24/2021 1:26:26PM
		SW1-6'				
		E111135-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2148017
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
o-Xylene	ND	0.0250	1	11/23/21	11/23/21	
o,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
fotal Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		94.2 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2148017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.4 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2148018
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Dil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		115 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2148019
Chloride	32.4	20.0	1	11/23/21	11/24/21	

## Sample Data



#### Sample Data

	L L	bample D	ala			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Nam Project Num Project Mana	ber: 2004	Contest 211 H 20046-0001 Natalie Gladden		<b>Reported:</b> 11/24/2021 1:26:26PM	
		SW2-Surf				
		E111135-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
p-Xylene	ND	0.0250	1	11/23/21	11/23/21	
o,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		97.3 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2148017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.0 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	ıt: JL		Batch: 2148018
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		118 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: IY		Batch: 2148019
Chloride	90.3	20.0	1	11/23/21	11/24/21	



#### Sample Data

	a	ample D	ala			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name Project Num Project Mana	ber: 2004	Contest 211 H 20046-0001 Natalie Gladden		<b>Reported:</b> 11/24/2021 1:26:26PM	
		SW2-2'				
		E111135-03				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RKS		Batch: 2148017
Benzene	ND	0.0250	1	11/23/21	11/23/21	
thylbenzene	ND	0.0250	1	11/23/21	11/23/21	
oluene	ND	0.0250	1	11/23/21	11/23/21	
-Xylene	ND	0.0250	1	11/23/21	11/23/21	
,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
urrogate: 4-Bromochlorobenzene-PID		97.6 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2148017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
urrogate: 1-Chloro-4-fluorobenzene-FID		88.0 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2148018
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Dil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
urrogate: n-Nonane		122 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: IY		Batch: 2148019
Chloride	ND	20.0	1	11/23/21	11/24/21	



### Sample Data

	3	ample D	ลเล			
Tap Rock	Project Name:		test 211 H 46-0001			
7 W. Compress Road Artesia NM, 88210	Project Number Project Manag		alie Gladden			<b>Reported:</b> 11/24/2021 1:26:26PM
1 Hobbit 1 Hill, 00210	i roject Mullug		ine Gladaen			
		SW3-2'				
		E111135-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2148017
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
p-Xylene	ND	0.0250	1	11/23/21	11/23/21	
o,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		96.7 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2148017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.4 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2148018
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Dil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		120 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: IY		Batch: 2148019
Chloride	ND	20.0	1	11/23/21	11/24/21	



#### Sample Data

	C C	ample D	ala			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name Project Num Project Mana	ber: 2004	Contest 211 H 20046-0001 Natalie Gladden		<b>Reported:</b> 11/24/2021 1:26:26PM	
		SW4-Surf				
		E111135-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2148017
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
oluene	ND	0.0250	1	11/23/21	11/23/21	
-Xylene	ND	0.0250	1	11/23/21	11/23/21	
o,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
urrogate: 4-Bromochlorobenzene-PID		94.7 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: RKS		Batch: 2148017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
urrogate: 1-Chloro-4-fluorobenzene-FID		90.5 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2148018
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Dil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
Gurrogate: n-Nonane		118 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2148019
Chloride	148	20.0	1	11/23/21	11/24/21	



#### Sample Data

	R.	bample D	ala			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name Project Num Project Mana	ber: 2004	Contest 211 H 20046-0001 Natalie Gladden		<b>Reported:</b> 11/24/2021 1:26:26PM	
		SW4-2'				
		E111135-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2148017
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
p-Xylene	ND	0.0250	1	11/23/21	11/23/21	
o,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Fotal Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		97.2 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	kg Analyst: RKS		Batch: 2148017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.7 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2148018
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/23/21	
Dil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/23/21	
Surrogate: n-Nonane		122 %	50-200	11/23/21	11/23/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: IY		Batch: 2148019
Chloride	ND	20.0	1	11/23/21	11/24/21	



#### Sample Data

<b>Reported:</b> 11/24/2021 1:26:26PM
Notes
Batch: 2148017
Batch: 2148017
Batch: 2148018
Batch: 2148019
-



#### Sample Data

		ampic D	aca			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name Project Numb Project Manaş	ber: 2004	test 211 H 46-0001 alie Gladden	<b>Reported:</b> 11/24/2021 1:26:26PM		
		SW6-Surf				
		E111135-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analys	t: RKS		Batch: 2148017
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ithylbenzene	ND	0.0250	1	11/23/21	11/23/21	
oluene	ND	0.0250	1	11/23/21	11/23/21	
-Xylene	ND	0.0250	1	11/23/21	11/23/21	
,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
urrogate: 4-Bromochlorobenzene-PID		97.8 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2148017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
urrogate: 1-Chloro-4-fluorobenzene-FID		92.0 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2148018
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/24/21	
Dil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/24/21	
urrogate: n-Nonane		122 %	50-200	11/23/21	11/24/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: IY		Batch: 2148019
Chloride	5820	100	5	11/23/21	11/24/21	



#### Sample Data

	C C	bample D	ลเล			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name Project Num Project Mana	ber: 2004	test 211 H 46-0001 ilie Gladden			<b>Reported:</b> 11/24/2021 1:26:26PM
		SW6-2'				
		E111135-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
p-Xylene	ND	0.0250	1	11/23/21	11/23/21	
o,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Fotal Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		94.2 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2148017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.2 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2148018
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/24/21	
Dil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/24/21	
Surrogate: n-Nonane		125 %	50-200	11/23/21	11/24/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: IY		Batch: 2148019
Chloride	ND	20.0	1	11/23/21	11/24/21	



### Sample Data

	25	ample D	ลเล			
Tap Rock	Project Name:		test 211 H			
7 W. Compress Road	Project Numbe		46-0001			Reported:
Artesia NM, 88210	Project Manag	ger: Nata	alie Gladden			11/24/2021 1:26:26PM
		SW7-2'				
		E111135-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2148017
Benzene	ND	0.0250	1	11/23/21	11/23/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/23/21	
Toluene	ND	0.0250	1	11/23/21	11/23/21	
o-Xylene	ND	0.0250	1	11/23/21	11/23/21	
p,m-Xylene	ND	0.0500	1	11/23/21	11/23/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/23/21	
Surrogate: 4-Bromochlorobenzene-PID		94.3 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2148017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/23/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.6 %	70-130	11/23/21	11/23/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2148018
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/24/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/24/21	
Surrogate: n-Nonane		119 %	50-200	11/23/21	11/24/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2148019
Chloride	81.0	20.0	1	11/23/21	11/24/21	



#### Sample Data

	C C	bample D	ala			
Tap Rock	Project Name	e: Con	test 211 H			
7 W. Compress Road	Project Num	ber: 200	46-0001			Reported:
Artesia NM, 88210	Project Mana	nger: Nata	alie Gladden			11/24/2021 1:26:26PM
		SW8-Surf				
		E111135-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2148017
Benzene	ND	0.0250	1	11/23/21	11/24/21	
Ethylbenzene	ND	0.0250	1	11/23/21	11/24/21	
Toluene	ND	0.0250	1	11/23/21	11/24/21	
p-Xylene	ND	0.0250	1	11/23/21	11/24/21	
o,m-Xylene	ND	0.0500	1	11/23/21	11/24/21	
Fotal Xylenes	ND	0.0250	1	11/23/21	11/24/21	
Surrogate: 4-Bromochlorobenzene-PID		98.7 %	70-130	11/23/21	11/24/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2148017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/24/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.1 %	70-130	11/23/21	11/24/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2148018
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/24/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/24/21	
Surrogate: n-Nonane		123 %	50-200	11/23/21	11/24/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2148019
Chloride	500	20.0	1	11/23/21	11/24/21	



#### Sample Data

		sample D	ลเล			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name Project Num Project Mana	ber: 2004	test 211 H 46-0001 ilie Gladden			<b>Reported:</b> 11/24/2021 1:26:26PM
		SW8-2'				
		E111135-12				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
p-Xylene	ND	0.0250	1	11/23/21	11/24/21	
o,m-Xylene	ND	0.0500	1	11/23/21	11/24/21	
Total Xylenes	ND	0.0250	1	11/23/21	11/24/21	
Surrogate: 4-Bromochlorobenzene-PID		95.1 %	70-130	11/23/21	11/24/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2148017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/21	11/24/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.3 %	70-130	11/23/21	11/24/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2148018
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/21	11/24/21	
Dil Range Organics (C28-C36)	ND	50.0	1	11/23/21	11/24/21	
Surrogate: n-Nonane		122 %	50-200	11/23/21	11/24/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: IY		Batch: 2148019
Chloride	ND	20.0	1	11/23/21	11/24/21	



## **OC Summary Data**

		VC D		ary Data	•						
Tap Rock 7 W. Compress Road Artesia NM, 88210		Project Name: Project Number: Project Manager:	2	Contest 211 H 0046-0001 Jatalie Gladden					<b>Reported:</b> 11/24/2021 1:26:26PM		
		Volatile O	rganics	by EPA 8021	B			Analyst: RKS			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2148017-BLK1)							Prepared: 1	1/23/21 <i>A</i>	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: 1	1/23/21 A	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					
p-Xylene	4.73	0.0250	5.00		94.7	70-130					
p,m-Xylene	9.31	0.0500	10.0		93.1	70-130					
Total Xylenes	14.0	0.0250	15.0		93.6	70-130					
Surrogate: 4-Bromochlorobenzene-PID	7.83		8.00		97.9	70-130					
LCS Dup (2148017-BSD1)							Prepared: 1	1/23/21 A	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			
p-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:	С	ontest 211 H					Reported:
7 W. Compress Road		Project Number	: 20	0046-0001					
Artesia NM, 88210		Project Manage	r: N	atalie Gladder	1				11/24/2021 1:26:26PM
	No	onhalogenated	Organics	by EPA 80	15D - G	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2148017-BLK1)							Prepared: 1	1/23/21	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: 1	1/23/21	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: 1	1/23/21	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**

		QU DI		i j Dutu					
Tap Rock 7 W. Compress Road		Project Name: Project Number:	-	ontest 211 H 0046-0001					Reported:
Artesia NM, 88210		Project Manager:	Ν	atalie Gladden					11/24/2021 1:26:26PM
	Nonh	alogenated Org	anics by	EPA 8015D	- DRO/	ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2148018-BLK1)							Prepared:	11/23/21	Analyzed: 11/23/21
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	59.6		50.0		119	50-200			
LCS (2148018-BS1)							Prepared:	11/23/21	Analyzed: 11/23/21
Diesel Range Organics (C10-C28)	547	25.0	500		109	38-132			
Surrogate: n-Nonane	57.3		50.0		115	50-200			
Matrix Spike (2148018-MS1)				Source: <b>F</b>	E111135-03	3	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: <b>F</b>	E111135-03	3	Prepared:	11/23/21	Analyzed: 11/23/21
Diesel Range Organics (C10-C28)	560	25.0	500	ND	112	38-132	0.370	20	
Surrogate: n-Nonane	60.0		50.0		120	50-200			



## **QC Summary Data**

		$\mathbf{x} \in \mathbf{z}$							
Tap Rock 7 W. Compress Road Artesia NM, 88210		Project Name: Project Number: Project Manager:	2	Contest 211 H 0046-0001 Vatalie Gladder	1				<b>Reported:</b> 11/24/2021 1:26:26PI
		Anions	by EPA	300.0/90564	4				Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limi %	
Blank (2148019-BLK1)							Prepared:	11/23/21	Analyzed: 11/24/21
Chloride LCS (2148019-BS1)	ND	20.0					Prepared:	11/23/21	Analyzed: 11/24/21
Chloride Matrix Spike (2148019-MS1)	249	20.0	250	Source:	99.6 E111135-0	90-110 <b>1</b>	Prepared: 1	11/23/21	Analyzed: 11/24/21
Chloride Matrix Spike Dup (2148019-MSD1)	279	20.0	250	32.4 Source:	98.5 E111135-0	80-120	Prepared: 1	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**

Released to Imaging: 3/21/2023 10:35:27 AM

#### Chain of Custody

Page\_l\_of\_2

Client	TAPROCH	,				-	Bill To		-		10	hlle	e On	h.			-		TA	T		EDA D	
Project (	Contest	DIL H			-		Attention Wash list Gladele	5	Lah	WO#			Job		her		1D	20	3D		andard	CWA	SDWA
Project N	Manager: Ch	Iristain	Com	bs	-		Address: 2727 N West Cow	why Rd	EI	111	25		200					20	50	51	undurd	CITA	JUWA
Address:						1	Attention: Notalie gladele Address: 2727 N West Com City, State, Zip Habbs NM	8240					Analy	_		_					10000		RCRA
City, Stat	te, Zip				_		Phone: 575 - 390 - 6397																
Phone:					-		Email: Natalie @ Energy S	staffing	015	015		- (				(500						State	
	Justalie ; lue by: ES		<u>n</u>		-			5	by 8	by 8	021	60	10	0.00	SC	EQ 1					NM CO	UT AZ	TX
Time		2	1	1	-		LLC. Com	Lab	ORO	DRO	by 8	by 82	ls 60	ide 3	BGD	H (To					X	-	
Sampled	Date Sampled	Matrix	No. of Containe		mple ID			Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM - BGDOC	TX - TPH (TCEQ 1005)						Remarks	
	11/18/21	S	1	5	jul-	6'		1							x								
	11/22/21	5	(	5	w2-	Sur-	f	2							(								
	11/18/21			5	w2-	21	and the second	3							1								
	11/22/21			5	iw3-	2'		4							1								
	11/18/21			51	w4- ;	Surf		5							)								
	11/22/2			S	W4-6	21		6							)								
	11/22/21			51	w5-	.2'		7				1			5							1	
	11/18/21			S	w6-	Surf		8							(								
	11/22/21				w6-			9							1								
	11/22/21				w7-			10							)								
Addition	al Instructio	ns:																					
							that tampering with or intentionally mislabelling th	e sample locat	ion,			-	1.1.1			1.1					ice the day the	And the second second	or received
	of collection is c					egal action							packed	in ice at	an avg	temp a			1.41.9		subsequent day	S.	
Relinquish	ed by: (Shenatu	ant		1-22-	-21	îme	Received by: (Signature)	Date 11/23	21	Time 12	:00	)	Rece	ived	on id	ce:		N (	e On	ly			1.5
Relinquish	ed by: (Signatu	ce) U		ate		îme	Received by: (Signature)	Date		Time	-		Te								-		
Relinquish	ed by: (Signatu	re)	0	ate	Т	īme	Received by: (Signature)	Date		Time			11			-	12				<u>T3</u>		and the
neinigaisii	eu by. (Signatu	(0)					neceived by, (Jighature)	Puit					AVG	Tem	p°C_	L	-					Aur I	
	rix: S - Soil, Sd - S							Container												Constantine of the	terrange of the local		
							other arrangements are made. Hazardous sa with this COC. The liability of the laboratory i								t the	client	expe	nse.	The re	port f	or the analy	sis of the a	bove
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**Project Information** 

Released to Imaging: 3/21/2023 10:35:27 AM

#### Chain of Custody

Page 2 of 2

Project Carles, J. 201. H       Attention. (Jose Area Carles)       10 20 10 Standard Covin Scripter (Income Carles)         Address:       Attention. (Jose Area Carles)       10 20 10 Standard Covin Scripter (Income Carles)         Address:       City, State, Zin Area Carles Area Carles       Income Carles, State, Zin Area	Client: 7	APROCK					Bill To	-1	1		La	b U	se Or	- Nv		- March			т	AT		FPA P	rogram
Address:       City, State, Zin Zing, Holpstein, Sd, 240         Phone:       Enail: Advance State, Zin Zing, Holpstein, Sd, 240         Phone:       Enail: Advance State, Zin Zing, Holpstein, Sd, 240         Phone:       Enail: Advance State, Zin Zing, Holpstein, Sd, 240         Phone:       Enail: Advance State, Zin Zing, Holpstein, Sd, 240         Imail: Advance State, Zin Zing, Holpstein, Sd, 240       Imail: Advance State, Zin Zing, Holpstein, Sd, 240         Imail: Advance State, Zin Zing, Holpstein, Sd, 241       Imail: Advance State, Zing, Holpstein, Sd, 241         Imail: Advance State, Zing, Zin	Project:	Contest	211 H	( ) )	10	At	tention: Notalie Gladder	1	Lab	WO#	ŧ	-	Job	Num	ber		1D	2D			andard		SDWA
Phone:       Email: Addebire C Faugy Setting       III       IIII       State         Report due by:       Sampled       Matrix       Matrix       Sampled       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII			ristion	Lom	DS_	AC	dress: 2724 NWest Cow	sty Kd	EI	1110	30										1		
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Report due by:       Estimate       Image: Sample I       Image: S	Phone:	and the second second				En	nail: Unterlie @ Energy St	An	5	5						15					-	State	1
IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Email: A	Intalie	gladel	en			<u> </u>	mering-	V 801	/ 801	-	-		0.0		100					NM CO		TXI
IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Report d	ue by: E	55				lc.com		NO b	SO by	802	8260	6010	e 300	DOG	(TCEC		-			X		
Image:		Date Sampled	Matrix		Sample I	D		ALC: NOT THE OWNER OF	DRO/O	GRO/DI	BTEX by	VOC by	Metals	Chlorid	NM-BC	H4T - XT						Remarks	
Additional Instructions:         1, (fidd pangler), attest to the validity and authenticity of this sample. Lam aware that tampering with or intentionally mislabeling the sample location, date or time of container to the validity and authenticity of this sample. Lam aware that tampering with or intentionally mislabeling the sample location, date or time of container to the validity and authenticity of this sample. Lam aware that tampering with or intentionally mislabeling the sample location, date or time of container to the validity and authenticity of this sample. Lam aware that tampering with or intentionally mislabeling the sample location, date or time of container to the validity and authenticity of this sample. Lam aware that tampering with or intentionally mislabeling the sample location, date or time of container to the validity and authenticity of this sample. Lam aware that tampering with or intentionally mislabeling the sample location, date or time of container to the validity and authenticity of this sample. Lam aware that tampering with or intentionally mislabeling the sample location, date or time of container to the validity and authenticity of this sample. Lam aware that tampering with or intentionally mislabeling the sample location, date or time of container to the validity and authenticity of this sample. Lam aware that tampering with or intentionally mislabeling the sample location, date or time of container to the validity and authenticity of this sample. Lam aware that tampering with or intentionally mislabeling the sample location, date or time and the validity and authenticity of this sample. Lam aware that tampering with or intentionally mislabeling the sample dor.       Sample tampe to the validity and authenticity of this sample date or the day thy are sampled or recolumng the sample date or time date o		11/18/2	S	1	Sw	8-Surf		11							x								
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Alage       II-22-19       III/23/21       I2:00       Received on ice:       IV       N         Relinquished by: (Signature)       Date       Time       Received by: (Signature)       Date       Time       T1       T2       T3         Relinquished by: (Signature)       Date       Time       Received by: (Signature)       Date       Time       T4       T4       T4       T5         Sample Matrix: S - Soil, 5d - Solid, 5g - Sludge, A - Aqueous, 0 - Other	date or time	of collection is co	insidered frau	uthenticity id and may	of this sample be grounds fo	e. I am aware that r legal action.		e sample locati	ion,														or received
Relinquished by: (Signature)       Date       Time       Received by: (Signature)       Date       Time         Relinquished by: (Signature)       Date       Time       Received by: (Signature)       Date       Time       T1       T2       T3         Sample Matrix: S - Soll, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other       Container Type: g - glass, p - poly/plastic, ag - amber glass, y - VOA	al	allt	tout	/11-	22-19	Time	Mund	Date 11/23	21	Time	:00	C	Rece	ived	onio	ce:			e Or	ily			
Reininguished by: (Signature)     Date     Time     Received by: (Signature)     Date     Time       Sample Matrix: S - Soli, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other	Relinquishe	d by: (Signatur	E) D	Dat		Time	Received by: (Signature)	Date					T1								T3		
Sample Matrix: S - Soli, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, y - VOA	Relinquishe	d by: (Signatur	e)	Dat		Time	Received by: (Signature)	Date		Time			AVG	Tem	n°C		1			-	15		
I D D THE PARTY OF THE PARTY I DAY							and the second	Container	Туре	:g-g	lass, r	- po	lv/pl	astic.	ar - a	mhe	rglas	S. 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.	Note: Samp samples is a	les are discard applicable only	ed 30 days a to those sar	after resu nples rec	ts are repor	ted unless other laboratory with	arrangements are made. Hazardous sar this COC. The liability of the laboratory is	nples will be	retur	ned to	o client	ordi	ispose	d of a	t the o	client	exper	nse. T	The re	port fo	or the analy	sis of the a	bove

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#### **Envirotech Analytical Laboratory**

#### Sample Receipt Checklist (SRC)

Client:	Tap Rock Da	ate Received:	11/23/21	12:00	Work Order ID:	E111135
Phone:	(575) 390-6397 Da	ate Logged In:	11/23/21	12:33	Logged In By:	Alexa Michaels
Email:	natalie@energystaffingllc.com De	ue Date:	11/23/21	17:00 (0 day TAT)		
<u>Chain of</u>	f Custody (COC)					
1. Does t	the sample ID match the COC?		Yes			
2. Does t	the number of samples per sampling site location match	the COC	Yes			
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: FedEx		
4. Was th	he COC complete, i.e., signatures, dates/times, requested	l analyses?	No			
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Commen	ts/Resolution
Sample '	Turn Around Time (TAT)					
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample						
	sample cooler received?		Yes			
	, was cooler received in good condition?		Yes			
9. Was th	he sample(s) received intact, i.e., not broken?		Yes			
	e custody/security seals present?		No			
	s, were custody/security seals intact?		NA			
-	he sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re		Yes			
13. If no	minutes of sampling visible ice, record the temperature. Actual sample ter		с			
	Container	·	_			
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
19. Is the	appropriate volume/weight or number of sample containers	collected?	Yes			
Field La	lbel					
	e field sample labels filled out with the minimum inform	ation:				
5	Sample ID?		Yes			
	Date/Time Collected?		Yes	L		
	Collectors name?		No			
	<u>Preservation</u> s the COC or field labels indicate the samples were prese	muod?	No			
	sample(s) correctly preserved?		No NA			
	b filteration required and/or requested for dissolved meta	als?	NA			
		****	110			
	a <b>se Sample Matrix</b> s the sample have more than one phase, i.e., multiphase?		ът			
	s, does the COC specify which phase(s) is to be analyzed		No			
		u:	NA			
	tract Laboratory					
28. Are s	samples required to get sent to a subcontract laboratory?		No			
	a subcontract laboratory specified by the client and if so		NA	Subcontract Lab: NA		

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



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5796 U.S. Hwy 64 Farmington, NM 87401

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





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**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Tap Rock

Project Name: Contest 211 H

Work Order:	E111139

Job Number: 20046-0001

Received: 11/24/2021

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/29/21

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 11/29/21

Natalie Gladden 7 W. Compress Road Artesia, NM 88210

Project Name: Contest 211 H Workorder: E111139 Date Received: 11/24/2021 12:00:00PM

Natalie Gladden,



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

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

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

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

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

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

Cell: 505-320-4759

ljarboe@envirotech-inc.com

**Southern New Mexico Area Lynn Jarboe** Technical Representative/Client Services Office: 505-421-LABS(5227)

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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#### Sample Summary

		Sample Sum	mai y				
Tap Rock 7 W. Compress Road Artesia NM, 88210	npress Road P		•				<b>Reported:</b> 11/29/21 16:21
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container		
SW1-Surf	E111139-01A	Soil	11/22/21	11/24/21	Glass Jar, 4 oz.		
SW3-Surf	E111139-02A	Soil	11/22/21	11/24/21	Glass Jar, 4 oz.		
SW5-Surf	E111139-03A	Soil	11/22/21	11/24/21	Glass Jar, 4 oz.		
SW7-Surf	E111139-04A	Soil	11/22/21	11/24/21	Glass Jar, 4 oz.		



		ampic D	uta			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name Project Numb Project Manag	er: 2004	test 211 H 46-0001 Ilie Gladden			<b>Reported:</b> 11/29/2021 4:21:33PM
		SW1-Surf				
		E111139-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2148026
Benzene	ND	0.0250	1	11/24/21	11/25/21	
Ethylbenzene	ND	0.0250	1	11/24/21	11/25/21	
Toluene	ND	0.0250	1	11/24/21	11/25/21	
p-Xylene	ND	0.0250	1	11/24/21	11/25/21	
o,m-Xylene	ND	0.0500	1	11/24/21	11/25/21	
Fotal Xylenes	ND	0.0250	1	11/24/21	11/25/21	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	11/24/21	11/25/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2148026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/24/21	11/25/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.4 %	70-130	11/24/21	11/25/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2148022
Diesel Range Organics (C10-C28)	ND	25.0	1	11/24/21	11/25/21	
Dil Range Organics (C28-C36)	ND	50.0	1	11/24/21	11/25/21	
Surrogate: n-Nonane		128 %	50-200	11/24/21	11/25/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2148025
Chloride	3500	40.0	2	11/29/21	11/29/21	

## Sample Data



#### Sample Data

	0	ample D	ala			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name Project Numb Project Mana	ber: 2004	test 211 H 46-0001 Ilie Gladden			<b>Reported:</b> 11/29/2021 4:21:33PM
		SW3-Surf				
		E111139-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2148026
Benzene	ND	0.0250	1	11/24/21	11/25/21	
Ethylbenzene	ND	0.0250	1	11/24/21	11/25/21	
Toluene	ND	0.0250	1	11/24/21	11/25/21	
p-Xylene	ND	0.0250	1	11/24/21	11/25/21	
o,m-Xylene	ND	0.0500	1	11/24/21	11/25/21	
Fotal Xylenes	ND	0.0250	1	11/24/21	11/25/21	
Surrogate: 4-Bromochlorobenzene-PID		98.8 %	70-130	11/24/21	11/25/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2148026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/24/21	11/25/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.1 %	70-130	11/24/21	11/25/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2148022
Diesel Range Organics (C10-C28)	ND	25.0	1	11/24/21	11/25/21	
Dil Range Organics (C28-C36)	ND	50.0	1	11/24/21	11/25/21	
Surrogate: n-Nonane		135 %	50-200	11/24/21	11/25/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: IY		Batch: 2148025
Chloride	20.5	20.0	1	11/29/21	11/29/21	



#### Sample Data

	D D	ample D	ลเล			
Tap Rock	Project Name	e: Con	test 211 H			
7 W. Compress Road	Project Numb	ber: 2004	46-0001			Reported:
Artesia NM, 88210	Project Mana	iger: Nata	alie Gladden			11/29/2021 4:21:33PM
		SW5-Surf				
		E111139-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	/st: RKS		Batch: 2148026
Benzene	ND	0.0250	1	11/24/21	11/25/21	
Ethylbenzene	ND	0.0250	1	11/24/21	11/25/21	
Toluene	ND	0.0250	1	11/24/21	11/25/21	
p-Xylene	ND	0.0250	1	11/24/21	11/25/21	
o,m-Xylene	ND	0.0500	1	11/24/21	11/25/21	
Fotal Xylenes	ND	0.0250	1	11/24/21	11/25/21	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	11/24/21	11/25/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2148026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/24/21	11/25/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.2 %	70-130	11/24/21	11/25/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2148022
Diesel Range Organics (C10-C28)	ND	25.0	1	11/24/21	11/25/21	
Dil Range Organics (C28-C36)	ND	50.0	1	11/24/21	11/25/21	
Surrogate: n-Nonane		129 %	50-200	11/24/21	11/25/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: IY		Batch: 2148025
Chloride	ND	20.0	1	11/29/21	11/29/21	



## Sample Data

	ĸ	sample D	ala			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Nam Project Num Project Mana	ber: 2004	test 211 H 46-0001 alie Gladden			<b>Reported:</b> 11/29/2021 4:21:33PM
		SW7-Surf				
		E111139-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: RKS		Batch: 2148026
Benzene	ND	0.0250	1	11/24/21	11/25/21	
Ithylbenzene	ND	0.0250	1	11/24/21	11/25/21	
Toluene	ND	0.0250	1	11/24/21	11/25/21	
o-Xylene	ND	0.0250	1	11/24/21	11/25/21	
o,m-Xylene	ND	0.0500	1	11/24/21	11/25/21	
Fotal Xylenes	ND	0.0250	1	11/24/21	11/25/21	
Surrogate: 4-Bromochlorobenzene-PID		97.9 %	70-130	11/24/21	11/25/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2148026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/24/21	11/25/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %	70-130	11/24/21	11/25/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	xg Analyst: JL			Batch: 2148022
Diesel Range Organics (C10-C28)	ND	25.0	1	11/24/21	11/25/21	
Dil Range Organics (C28-C36)	ND	50.0	1	11/24/21	11/25/21	
Surrogate: n-Nonane		133 %	50-200	11/24/21	11/25/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: IY		Batch: 2148025
Chloride	ND	20.0	1	11/29/21	11/29/21	



## **QC Summary Data**

		QC DI		ing Date	•				
Tap Rock 7 W. Compress Road Artesia NM, 88210		Project Name: Project Number: Project Manager:	20	ontest 211 H 0046-0001 atalie Gladden					<b>Reported:</b> 11/29/2021 4:21:33PM
		Volatile Or	rganics b	oy EPA 802	1B				Analyst: RKS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2148026-BLK1)							Prepared: 1	1/24/21 /	Analyzed: 11/24/21
Benzene	ND	0.0250							
Ethylbenzene Toluene	ND ND	0.0250 0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0230							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.06	0.0200	8.00		101	70-130			
LCS (2148026-BS1)							Prepared: 1	1/24/21	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: 1	1/24/21	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	



## **QC Summary Data**

				- ,	•				
Tap Rock		Project Name:	С	ontest 211 H					Reported:
7 W. Compress Road		Project Number	: 20	0046-0001					-
Artesia NM, 88210		Project Manager	:: N	atalie Gladden					11/29/2021 4:21:33PM
	No	onhalogenated	Organics	by EPA 801	1 <b>5D - G</b>	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2148026-BLK1)							Prepared: 1	1/24/21	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: 1	1/24/21	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: 1	1/24/21	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**

		QU DI	u 1111110	i y Dutu					
Tap Rock 7 W. Compress Road		Project Name: Project Number:	-	ontest 211 H 0046-0001					Reported:
Artesia NM, 88210		Project Manager:	N	atalie Gladden					11/29/2021 4:21:33PM
	Nonh	alogenated Org	anics by	EPA 8015D	- DRO/	ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (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: n-Nonane	62.0		50.0		124	50-200			
LCS (2148022-BS1)							Prepared:	11/24/21	Analyzed: 11/24/21
Diesel Range Organics (C10-C28)	549	25.0	500		110	38-132			
Surrogate: n-Nonane	60.3		50.0		121	50-200			
Matrix Spike (2148022-MS1)				Source: <b>F</b>	E111139-0	4	Prepared:	11/24/21	Analyzed: 11/24/21
Diesel Range Organics (C10-C28)	548	25.0	500	ND	110	38-132			
Surrogate: n-Nonane	60.9		50.0		122	50-200			
Matrix Spike Dup (2148022-MSD1)				Source: H	E <b>111139-0</b>	4	Prepared:	11/24/21	Analyzed: 11/24/21
Diesel Range Organics (C10-C28)	548	25.0	500	ND	110	38-132	0.114	20	
Surrogate: n-Nonane	59.8		50.0		120	50-200			


## **QC Summary Data**

			••••••							
Tap Rock 7 W. Compress Road Artesia NM, 88210		Project Name: Project Number: Project Manager	2	ontest 211 H 0046-0001 latalie Gladder	1				<b>Reporte</b> 11/29/2021 4:2	
		Anions	by EPA	300.0/90564	٨				Analyst: IY	
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limi %		:S
Blank (2148025-BLK1)							Prepared:	11/29/21	Analyzed: 11/29	9/21
Chloride LCS (2148025-BS1)	ND	20.0					Prepared:	11/29/21	Analyzed: 11/29	9/21
Chloride Matrix Spike (2148025-MS1)	245	20.0	250	Source:	98.0 <b>E111138-0</b>	90-110 <b>1</b>	Prepared:	11/29/21	Analyzed: 11/29	9/21
Chloride	6910	400	250	7410	NR	80-120			M5	
Matrix Spike Dup (2148025-MSD1)				Source:	E111138-0	1	Prepared:	11/29/21	Analyzed: 11/29	9/21
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.



	Demitions		
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.



riojec	t Information					Chain of	Custody													Pa	age _/_	_of
Client	TAP Roch	/			1 1	Bill To			-	10	hlle	e Only			-	_		TA	T	- 1	EDA D	rogram
Projec	t: Contest	211	14_		Atte	ntion: Natalie Glookel. ress: 2724 Witwest State, Zip Hobbs NM 8 ne: 575-390-6397 il: Nortalie @ Energy	20	Lab	MOH	La	ab Us	Job N		her		1D		3D	Stand	hard	CWA	SDWA
Projec	t Manager	nistai	nco	mbs	Add	ress: 2724 Whest	hundy Rd	FI	111	20		200				10	20	50	Stand	and	CWA	JUWA
Addre		,			City	State, Zip Hobbs NMB	8240		1110			Analys					<u> </u>	_				RCRA
	tate, Zip				Pho	1e: 575-390-6397	2				1									-		
Phone	2:			- 1 A	Ema	il: 1 h. talse @ Enemy	Staffra	15	5						(5)						State	1
Email	Vatelle	Glade	chen				June	/ 80	/ 80:	-	~		0.0		100				N	A CO	UT AZ	TX
Repor	t due by:	55			1 U	c. com		id Di	d O	802	826(	5010	300	DOG	(TCEC				K	_		
Time Sample	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM - BGDOC	ТХ - ТРН (ТСЕQ 1005)						Remarks	
	11/22	S	1	Jw1- ?	Surf		1							X								
	15		1				2							<								
	13		1	5W3-5 5WJ-: 5W7-5	Surt		3							5								
	5		1	8.7 6	al		4							1								
			1.	JWT-C	)wr									-					-			
																		-	-			Ļ
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_																						
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																				_		
															11	1						
Addit	ional Instructio	ns:										<u> </u>						_				
CO 0 10 1	ampler), attest to the time of collection is co					mpering with or intentionally mislabelling the Sampled by:	ne sample locat	ion,				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							ved on ice t °C on subse		are sampled	or received
Relinqu	ushed by: (Signatur	e)	Date	Time		Received by: (Signature)	Date )1-2-	-21	Time	30	2	Recei	ved	on ic	·e:		N N	e Onl	y			
-	ished by: (Signatur		Date	23 I		Received by: (Signature)	Date U24	21	Time	C	-	T1				T2			тз			
Relinqu	ished by: (Signatur	re)	Date	Time		Received by: (Signature)	Date		Time			AVG	Tom	n°c	U	ł						
Sample	Matrix: S - Soil, Sd - S	olid. Sp - Slud	Pe A - Aque	ous. 0 - Other			Container	Type	· p - a	lass			C.A			r glass	5 V-1	VOA				
Note: S	amples are discard	led 30 days	after result	s are reported un		rrangements are made. Hazardous sa is COC. The liability of the laboratory	amples will be	retur	ned to	o clien	t or d	isposed	l of a						oort for t	he analy	sis of the a	bove
				5.05										~	10		/		-	4	~	ch

#### **Envirotech Analytical Laboratory**

#### Sample Receipt Checklist (SRC)

lient:	Tap Rock Da	ate Received:	11/24/21	12:00	Work Order ID:	E111139
Phone:	(575) 390-6397 Da	ate Logged In:	11/24/21	11:12	Logged In By:	Alexa Michaels
Email:		le Date:	11/30/21	17:00 (2 day TAT)		
Chain of	f Custody (COC)					
1. Does t	the sample ID match the COC?		Yes			
2. Does t	the number of samples per sampling site location match	the COC	Yes			
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: Courrier		
4. Was th	he COC complete, i.e., signatures, dates/times, requested	l analyses?	No			
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Commen	ts/Resolution
Sample '	<u>Turn Around Time (TAT)</u>					
6. Did th	e 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 th	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
12. Was ti	he sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re- minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sample ter	nperature: 4°	с			
	<u>Container</u>					
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
19. Is the	appropriate volume/weight or number of sample containers	collected?	Yes			
Field La	ıbel					
20. Were	e field sample labels filled out with the minimum inform	ation:				
	Sample ID?		Yes			
	Date/Time Collected? Collectors name?		Yes			
	Preservation		No			
	s the COC or field labels indicate the samples were prese	erved?	No			
	sample(s) correctly preserved?		NA			
	b filteration required and/or requested for dissolved meta	ıls?	No			
	ase Sample Matrix					
	s the sample have more than one phase, i.e., multiphase?		No			
	s, does the COC specify which phase(s) is to be analyzed		NA			
-			11/4			
	tract Laboratory_ samples required to get sent to a subcontract laboratory?		No			
	a subcontract laboratory specified by the client and if so		NA	Subcontract Lab: NA		
2). Was	a subcontract aboratory specificu by the chefit and fi so	W1101	11/1	Subconnact Lab: NA		

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







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

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Work Order: E201126

Job Number: 20046-0001

Received: 1/25/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 1/26/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 1/26/22

Natalie Gladden 7 W. Compress Road Artesia, NM 88210

Project Name: Contest 211 H Workorder: E201126 Date Received: 1/25/2022 9:52:00AM

Natalie Gladden,



Page 186 of 398

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

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

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

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

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

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services

Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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

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#### **Sample Summary**

		sample sum	mary		
Tap Rock		Project Name:	Contest 211 H		Reported:
7 W. Compress Road		Project Number:	20046-0001		Keporteu.
Artesia NM, 88210		Project Manager:	Natalie Gladden		01/26/22 17:52
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW 9- Surf	E201126-01A	Soil	01/20/22	01/25/22	Glass Jar, 4 oz.
SW 9-2'	E201126-02A	Soil	01/20/22	01/25/22	Glass Jar, 4 oz.
SW 10- Surf	E201126-03A	Soil	01/20/22	01/25/22	Glass Jar, 4 oz.
SW 10-2'	E201126-04A	Soil	01/20/22	01/25/22	Glass Jar, 4 oz.
SW 11- Surf	E201126-05A	Soil	01/20/22	01/25/22	Glass Jar, 4 oz.
SW 11-2'	E201126-06A	Soil	01/20/22	01/25/22	Glass Jar, 4 oz.
SW 12- Surf	E201126-07A	Soil	01/20/22	01/25/22	Glass Jar, 4 oz.
SW 12-4'	E201126-08A	Soil	01/20/22	01/25/22	Glass Jar, 4 oz.
SW 13- Surf	E201126-09A	Soil	01/20/22	01/25/22	Glass Jar, 4 oz.
SW 13-2'	E201126-10A	Soil	01/20/22	01/25/22	Glass Jar, 4 oz.
SP2-13'	E201126-11A	Soil	01/20/22	01/25/22	Glass Jar, 4 oz.
SP 3-21'	E201126-12A	Soil	01/20/22	01/25/22	Glass Jar, 4 oz.



	~	ample D				
Tap Rock	Project Name:		test 211 H			
7 W. Compress Road	Project Numb		6-0001			Reported:
Artesia NM, 88210	Project Manag	ger: Nata	lie Gladden			1/26/2022 5:52:27PM
		SW 9- Surf				
		E201126-01				
		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2205032
Benzene	ND	0.0250	1	01/25/22	01/26/22	
Ethylbenzene	ND	0.0250	1	01/25/22	01/26/22	
Toluene	ND	0.0250	1	01/25/22	01/26/22	
o-Xylene	ND	0.0250	1	01/25/22	01/26/22	
p,m-Xylene	ND	0.0500	1	01/25/22	01/26/22	
Total Xylenes	ND	0.0250	1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		96.3 %	70-130	01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130	01/25/22	01/26/22	
Surrogate: Toluene-d8		97.6 %	70-130	01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: IY		Batch: 2205032
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		96.3 %	70-130	01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130	01/25/22	01/26/22	
Surrogate: Toluene-d8		97.6 %	70-130	01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	) mg/kg	mg/kg	I	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	I	Analyst: RAS		Batch: 2205039
Chloride	2340	20.0	1	01/25/22	01/26/22	

## Sample Data



## Sample Data

		sample D	ata				
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name Project Num Project Mana	ber: 2004	test 211 H 46-0001 Ilie Gladde				<b>Reported:</b> 1/26/2022 5:52:27PM
Artesia NM, 88210	Project Mana	iger: Nata	lile Gladde	n			1/20/2022 5.52.27FW
		SW 9-2'					
		E201126-02					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2205032
Benzene	ND	0.0250		1	01/25/22	01/26/22	
Ethylbenzene	ND	0.0250		1	01/25/22	01/26/22	
Toluene	ND	0.0250		1	01/25/22	01/26/22	
p-Xylene	ND	0.0250		1	01/25/22	01/26/22	
p,m-Xylene	ND	0.0500		1	01/25/22	01/26/22	
Total Xylenes	ND	0.0250		1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		95.0 %	70-130		01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		01/25/22	01/26/22	
Surrogate: Toluene-d8		97.5 %	70-130		01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2205032
Gasoline Range Organics (C6-C10)	ND	20.0		1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		95.0 %	70-130		01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		01/25/22	01/26/22	
Surrogate: Toluene-d8		97.5 %	70-130		01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2205030
Diesel Range Organics (C10-C28)	ND	25.0		1	01/25/22	01/26/22	
Oil Range Organics (C28-C36)	ND	50.0		1	01/25/22	01/26/22	
Surrogate: n-Nonane		105 %	50-200		01/25/22	01/26/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2205039
Chloride	ND	20.0		1	01/25/22	01/26/22	



## Sample Data

		imple D					
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manage	r: 2004	test 211 H 6-0001 lie Gladde				<b>Reported:</b> 1/26/2022 5:52:27PM
- Heese File, 002 F0							
		W 10- Surf					
	]	E201126-03					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2205032
Benzene	ND	0.0250		1	01/25/22	01/26/22	
Ethylbenzene	ND	0.0250		1	01/25/22	01/26/22	
Toluene	ND	0.0250		1	01/25/22	01/26/22	
p-Xylene	ND	0.0250		1	01/25/22	01/26/22	
p,m-Xylene	ND	0.0500		1	01/25/22	01/26/22	
Total Xylenes	ND	0.0250		1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		95.9 %	70-130		01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		01/25/22	01/26/22	
Surrogate: Toluene-d8		97.9 %	70-130		01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2205032
Gasoline Range Organics (C6-C10)	ND	20.0		1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		95.9 %	70-130		01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		01/25/22	01/26/22	
Surrogate: Toluene-d8		97.9 %	70-130		01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2205039
Chloride	3750	40.0		2	01/25/22	01/26/22	



## Sample Data

	<b>D</b>	ample D	ata				
Tap Rock 7 W. Compress Road	Project Name Project Numb		test 211 H 46-0001				Reported:
Artesia NM, 88210	Project Manag	ger: Nata	ilie Gladde	en			1/26/2022 5:52:27PM
		SW 10-2'					
		E201126-04					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2205032
Benzene	ND	0.0250		1	01/25/22	01/26/22	
Ethylbenzene	ND	0.0250		1	01/25/22	01/26/22	
Toluene	ND	0.0250		1	01/25/22	01/26/22	
o-Xylene	ND	0.0250		1	01/25/22	01/26/22	
p,m-Xylene	ND	0.0500		1	01/25/22	01/26/22	
Total Xylenes	ND	0.0250		1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		96.3 %	70-130		01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		01/25/22	01/26/22	
Surrogate: Toluene-d8		96.3 %	70-130		01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2205032
Gasoline Range Organics (C6-C10)	ND	20.0		1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		96.3 %	70-130		01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		01/25/22	01/26/22	
Surrogate: Toluene-d8		96.3 %	70-130		01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2205039
Chloride	ND	20.0		1	01/25/22	01/26/22	



## Sample Data

		ampic D					
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manag	er: 2004	test 211 H 46-0001 Ilie Gladde				<b>Reported:</b> 1/26/2022 5:52:27PM
	S	SW 11- Surf					
		E201126-05					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2205032
Benzene	ND	0.0250		1	01/25/22	01/26/22	
Ethylbenzene	ND	0.0250		1	01/25/22	01/26/22	
Toluene	ND	0.0250		1	01/25/22	01/26/22	
o-Xylene	ND	0.0250		1	01/25/22	01/26/22	
p,m-Xylene	ND	0.0500		1	01/25/22	01/26/22	
Total Xylenes	ND	0.0250		1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		94.4 %	70-130		01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		01/25/22	01/26/22	
Surrogate: Toluene-d8		96.7 %	70-130		01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: JL		Batch: 2205030
Diesel Range Organics (C10-C28)	ND	25.0		1	01/25/22	01/26/22	
Oil Range Organics (C28-C36)	ND	50.0		1	01/25/22	01/26/22	
Surrogate: n-Nonane		106 %	50-200		01/25/22	01/26/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: RAS		Batch: 2205039
Chloride	430	20.0		1	01/25/22	01/26/22	



## Sample Data

	5	ample D	uu				
Tap Rock	Project Name		test 211 H				
7 W. Compress Road	Project Numb		46-0001				Reported:
Artesia NM, 88210	Project Mana	ger: Nata	lie Gladde	en			1/26/2022 5:52:27PM
		SW 11-2'					
		E201126-06					
		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2205032
Benzene	ND	0.0250		1	01/25/22	01/26/22	
Ethylbenzene	ND	0.0250		1	01/25/22	01/26/22	
Toluene	ND	0.0250		1	01/25/22	01/26/22	
p-Xylene	ND	0.0250		1	01/25/22	01/26/22	
p,m-Xylene	ND	0.0500		1	01/25/22	01/26/22	
Total Xylenes	ND	0.0250		1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		95.6 %	70-130		01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		01/25/22	01/26/22	
Surrogate: Toluene-d8		97.0 %	70-130		01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2205032
Gasoline Range Organics (C6-C10)	ND	20.0		1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		95.6 %	70-130		01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		01/25/22	01/26/22	
Surrogate: Toluene-d8		97.0 %	70-130		01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	Л		Batch: 2205030
Diesel Range Organics (C10-C28)	ND	25.0		1	01/25/22	01/26/22	
Oil Range Organics (C28-C36)	ND	50.0		1	01/25/22	01/26/22	
Surrogate: n-Nonane		107 %	50-200		01/25/22	01/26/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2205039
Chloride	ND	20.0		1	01/25/22	01/26/22	



## Sample Data

		ample D	uu				
Tap Rock	Project Name:		test 211 H				Demented
7 W. Compress Road Artesia NM, 88210	Project Numbe Project Manag		46-0001 Ilie Gladde				<b>Reported:</b> 1/26/2022 5:52:27PM
Artesia NM, 88210	Project Manag	er. Inata	lile Gladde	:1			1/20/2022 5.52.2/FW
	S	SW 12- Surf					
		E201126-07					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2205032
Benzene	ND	0.0250		1	01/25/22	01/26/22	
Ethylbenzene	ND	0.0250		1	01/25/22	01/26/22	
Toluene	ND	0.0250		1	01/25/22	01/26/22	
o-Xylene	ND	0.0250		1	01/25/22	01/26/22	
p,m-Xylene	ND	0.0500		1	01/25/22	01/26/22	
Total Xylenes	ND	0.0250		1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		94.4 %	70-130		01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		01/25/22	01/26/22	
Surrogate: Toluene-d8		96.5 %	70-130		01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2205030
Diesel Range Organics (C10-C28)	ND	25.0		1	01/25/22	01/26/22	
Oil Range Organics (C28-C36)	ND	50.0		1	01/25/22	01/26/22	
Surrogate: n-Nonane		107 %	50-200		01/25/22	01/26/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2205039
Chloride	16100	400	1	20	01/25/22	01/26/22	



## Sample Data

	<b>D</b>	ample D	ala				
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name Project Numb Project Manag	er: 2004	test 211 H 46-0001 Ilie Gladdo				<b>Reported:</b> 1/26/2022 5:52:27PM
		SW 12-4'					
		E201126-08					
	D l	Reporting	D.1				
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2205032
Benzene	ND	0.0250		1	01/25/22	01/26/22	
Ethylbenzene	ND	0.0250		1	01/25/22	01/26/22	
Toluene	ND	0.0250		1	01/25/22	01/26/22	
o-Xylene	ND	0.0250		1	01/25/22	01/26/22	
p,m-Xylene	ND	0.0500		1	01/25/22	01/26/22	
Total Xylenes	ND	0.0250		1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		95.9 %	70-130		01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		01/25/22	01/26/22	
Surrogate: Toluene-d8		97.5 %	70-130		01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2205032
Gasoline Range Organics (C6-C10)	ND	20.0		1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		95.9 %	70-130		01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		01/25/22	01/26/22	
Surrogate: Toluene-d8		97.5 %	70-130		01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2205030
Diesel Range Organics (C10-C28)	ND	25.0		1	01/25/22	01/26/22	
Oil Range Organics (C28-C36)	ND	50.0		1	01/25/22	01/26/22	
Surrogate: n-Nonane		106 %	50-200		01/25/22	01/26/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2205039
Chloride	22.7	20.0		1	01/25/22	01/26/22	



## Sample Data

	D	ample D	uu				
Tap Rock	Project Name		test 211 H				
7 W. Compress Road	Project Numb		46-0001				Reported:
Artesia NM, 88210	Project Mana	ger: Nata	lie Gladde	en		1/26/2022 5:52:27PM	
	:	SW 13- Surf					
		E201126-09					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2205032
Benzene	ND	0.0250		1	01/25/22	01/26/22	
Ethylbenzene	ND	0.0250		1	01/25/22	01/26/22	
Toluene	ND	0.0250		1	01/25/22	01/26/22	
p-Xylene	ND	0.0250		1	01/25/22	01/26/22	
p,m-Xylene	ND	0.0500		1	01/25/22	01/26/22	
Total Xylenes	ND	0.0250		1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		94.3 %	70-130		01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		01/25/22	01/26/22	
Surrogate: Toluene-d8		96.7 %	70-130		01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2205030
Diesel Range Organics (C10-C28)	ND	25.0		1	01/25/22	01/26/22	
Oil Range Organics (C28-C36)	ND	50.0		1	01/25/22	01/26/22	
Surrogate: n-Nonane		107 %	50-200		01/25/22	01/26/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2205039
Chloride	29.7	20.0		1	01/25/22	01/26/22	



## Sample Data

		ampie D	uu				
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numb Project Manag	er: 2004	test 211 H 46-0001 Ilie Gladde				<b>Reported:</b> 1/26/2022 5:52:27PM
		SW 13-2'					
		E201126-10					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:			Batch: 2205032
Benzene	ND	0.0250		1	01/25/22	01/26/22	Date: 1200002
Ethylbenzene	ND	0.0250		1	01/25/22	01/26/22	
Toluene	ND	0.0250		1	01/25/22	01/26/22	
p-Xylene	ND	0.0250		1	01/25/22	01/26/22	
p,m-Xylene	ND	0.0500		1	01/25/22	01/26/22	
Total Xylenes	ND	0.0250		1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		93.5 %	70-130		01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		01/25/22	01/26/22	
Surrogate: Toluene-d8		96.8 %	70-130		01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2205032
Gasoline Range Organics (C6-C10)	ND	20.0		1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		93.5 %	70-130		01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		01/25/22	01/26/22	
Surrogate: Toluene-d8		96.8 %	70-130		01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	Л		Batch: 2205030
Diesel Range Organics (C10-C28)	ND	25.0		1	01/25/22	01/26/22	
Oil Range Organics (C28-C36)	ND	50.0		1	01/25/22	01/26/22	
Surrogate: n-Nonane		104 %	50-200		01/25/22	01/26/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2205039
Chloride	ND	20.0		1	01/25/22	01/26/22	



	N	ample D					
Tap Rock	Project Name	e: Con	test 211 H				
7 W. Compress Road	Project Num		46-0001				Reported:
Artesia NM, 88210	Project Mana	nger: Nata	ilie Gladde	n		1/26/2022 5:52:27PM	
		SP2-13'					
		E201126-11					
		Reporting					
Analyte	Result	Limit	Dilu	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2205032
Benzene	ND	0.0250		1	01/25/22	01/26/22	
Ethylbenzene	ND	0.0250		1	01/25/22	01/26/22	
Toluene	ND	0.0250		1	01/25/22	01/26/22	
p-Xylene	ND	0.0250		1	01/25/22	01/26/22	
p,m-Xylene	ND	0.0500		1	01/25/22	01/26/22	
Total Xylenes	ND	0.0250		1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		95.3 %	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2205032
Gasoline Range Organics (C6-C10)	ND	20.0		1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		95.3 %	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	ЛL		Batch: 2205030
Diesel Range Organics (C10-C28)	ND	25.0		1	01/25/22	01/26/22	
Oil Range Organics (C28-C36)	ND	50.0		1	01/25/22	01/26/22	
Surrogate: n-Nonane		106 %	50-200		01/25/22	01/26/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2205039
Chloride	233	20.0		1	01/25/22	01/26/22	



## Sample Data

		ample D	uu				
Tap Rock	Project Name:	Con	test 211 H				
7 W. Compress Road	Project Numb		20046-0001				Reported:
Artesia NM, 88210	Project Manag	ger: Nata	ilie Gladd	en		1/26/2022 5:52:27PM	
		SP 3-21'					
		E201126-12					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2205032
Benzene	ND	0.0250		1	01/25/22	01/26/22	
Ethylbenzene	ND	0.0250		1	01/25/22	01/26/22	
Toluene	ND	0.0250		1	01/25/22	01/26/22	
p-Xylene	ND	0.0250		1	01/25/22	01/26/22	
p,m-Xylene	ND	0.0500		1	01/25/22	01/26/22	
Total Xylenes	ND	0.0250		1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		94.7 %	70-130		01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		01/25/22	01/26/22	
Surrogate: Toluene-d8		94.9 %	70-130		01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2205032
Gasoline Range Organics (C6-C10)	ND	20.0		1	01/25/22	01/26/22	
Surrogate: Bromofluorobenzene		94.7 %	70-130		01/25/22	01/26/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		01/25/22	01/26/22	
Surrogate: Toluene-d8		94.9 %	70-130		01/25/22	01/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2205030
Diesel Range Organics (C10-C28)	ND	25.0		1	01/25/22	01/26/22	
Oil Range Organics (C28-C36)	ND	50.0		1	01/25/22	01/26/22	
Surrogate: n-Nonane		106 %	50-200		01/25/22	01/26/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2205039
Chloride	321	20.0		1	01/25/22	01/26/22	



# QC Summary Data

		QC SI		•							
Tap Rock		Project Name:	Co	ontest 211 H					Reported:		
7 W. Compress Road		Project Number:	20	046-0001					-		
Artesia NM, 88210		Project Manager:	Na	atalie Gladden					1/26/2022 5:52:27PM		
		Volatile Organic	Compo	unds by EPA	A 8260F	3	Analyst: IY				
									5		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
							<b>D</b> 10	1/25/22	1 1 01/05/00		
Blank (2205032-BLK1)							Prepared: 0	1/25/22 Ar	nalyzed: 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					
-							D 10	1/25/22	1 1.01/02/02		
LCS (2205032-BS1)	2.54		2.50			50.100	Prepared: 0	1/25/22 Ar	nalyzed: 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: E	201126-(	)2	Prepared: 0	1/25/22 Ar	nalyzed: 01/26/22		
Benzene	2.85	0.0250	2.50	ND	114	48-131	1		<u>,</u>		
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	112	43-135					
	8.37	0.0250	7.50	ND	112	43-135					
			1.50	110	112	-155					
		010200	0.500		06.2	70 120					
Surrogate: Bromofluorobenzene	0.481	010200	0.500		96.2	70-130					
Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4	0.481 0.496	0.0200	0.500		99.1	70-130					
Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8	0.481	0.0200			99.1 98.1	70-130 70-130					
Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4	0.481 0.496 0.491		0.500 0.500	Source: E	99.1 98.1 <b>201126-(</b>	70-130 70-130 <b>)2</b>			nalyzed: 01/26/22		
Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2205032-MSD1) Benzene	0.481 0.496 0.491 2.70	0.0250	0.500 0.500 2.50	ND	99.1 98.1 <b>201126-(</b> 108	70-130 70-130 <b>D2</b> 48-131	5.37	23	nalyzed: 01/26/22		
Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2205032-MSD1) Benzene	0.481 0.496 0.491		0.500 0.500		99.1 98.1 <b>201126-(</b>	70-130 70-130 <b>02</b> 48-131 45-135		23 27	nalyzed: 01/26/22		
Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8	0.481 0.496 0.491 2.70	0.0250	0.500 0.500 2.50	ND	99.1 98.1 <b>201126-(</b> 108	70-130 70-130 <b>D2</b> 48-131	5.37	23	nalyzed: 01/26/22		
Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2205032-MSD1) Benzene Ethylbenzene Toluene	0.481 0.496 0.491 2.70 2.68	0.0250 0.0250	0.500 0.500 2.50 2.50	ND ND	99.1 98.1 <b>201126-0</b> 108 107	70-130 70-130 <b>02</b> 48-131 45-135	5.37 5.47	23 27	nalyzed: 01/26/22		
Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2205032-MSD1) Benzene Ethylbenzene	0.481 0.496 0.491 2.70 2.68 2.65	0.0250 0.0250 0.0250	0.500 0.500 2.50 2.50 2.50	ND ND ND	99.1 98.1 201126-( 108 107 106	70-130 70-130 <b>)2</b> 48-131 45-135 48-130	5.37 5.47 6.22	23 27 24	nalyzed: 01/26/22		
Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2205032-MSD1) Benzene Ethylbenzene Toluene o-Xylene	0.481 0.496 0.491 2.70 2.68 2.65 2.63	0.0250 0.0250 0.0250 0.0250	0.500 0.500 2.50 2.50 2.50 2.50 2.50	ND ND ND ND	99.1 98.1 201126-( 108 107 106 105	70-130 70-130 02 48-131 45-135 48-130 43-135	5.37 5.47 6.22 6.27	23 27 24 27	nalyzed: 01/26/22		
Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2205032-MSD1) Benzene Ethylbenzene Toluene o-Xylene p,m-Xylene Total Xylenes	0.481 0.496 0.491 2.70 2.68 2.65 2.63 5.26	0.0250 0.0250 0.0250 0.0250 0.0250 0.0500	0.500 0.500 2.50 2.50 2.50 2.50 2.50 5.00	ND ND ND ND ND	99.1 98.1 201126-0 108 107 106 105 105	70-130 70-130 <b>)2</b> 48-131 45-135 48-130 43-135 43-135	5.37 5.47 6.22 6.27 5.53	23 27 24 27 27	nalyzed: 01/26/22		
Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2205032-MSD1) Benzene Ethylbenzene Toluene o-Xylene p,m-Xylene	0.481 0.496 0.491 2.70 2.68 2.65 2.63 5.26 7.90	0.0250 0.0250 0.0250 0.0250 0.0250 0.0500	0.500 0.500 2.50 2.50 2.50 2.50 5.00 7.50	ND ND ND ND ND	99.1 98.1 201126-0 108 107 106 105 105 105	70-130 70-130 <b>)2</b> 48-131 45-135 48-130 43-135 43-135 43-135	5.37 5.47 6.22 6.27 5.53	23 27 24 27 27	nalyzed: 01/26/22		



## **QC Summary Data**

				ary Data								
Tap Rock 7 W. Compress Road Artesia NM, 88210		Project Name: Project Number: Project Manager:	2	Contest 211 H 20046-0001 Natalie Gladden					<b>Reported:</b> 1/26/2022 5:52:27PM			
	No	onhalogenated O	rganics	s by EPA 801	5D - GI	RO			Analyst: IY			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes			
Blank (2205032-BLK1)							Prepared: 0	1/25/22	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: 0	1/25/22	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: E	201126-0	)2	Prepared: 0	1/25/22	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: E	201126-0	)2	Prepared: 0	1/25/22	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**

		$\mathbf{x} \in \mathbf{z}$		ing Data	•				
Tap Rock 7 W. Compress Road		Project Name: Project Number:		ontest 211 H 0046-0001					Reported:
Artesia NM, 88210		Project Manager:	Ν	atalie Gladden					1/26/2022 5:52:27PM
	Nonh	alogenated Org	anics by	EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2205030-BLK1)							Prepared: 0	1/25/22 A	Analyzed: 01/25/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.9		50.0		106	50-200			
LCS (2205030-BS1)							Prepared: 0	1/25/22 A	Analyzed: 01/25/22
Diesel Range Organics (C10-C28)	544	25.0	500		109	38-132			
Surrogate: n-Nonane	52.9		50.0		106	50-200			
Matrix Spike (2205030-MS1)				Source: I	E <b>201126-</b> (	)1	Prepared: 0	1/25/22 A	Analyzed: 01/25/22
Diesel Range Organics (C10-C28)	561	25.0	500	ND	112	38-132			
Surrogate: n-Nonane	54.0		50.0		108	50-200			
Matrix Spike Dup (2205030-MSD1)				Source: I	E <b>201126-</b> (	)1	Prepared: 0	1/25/22 A	Analyzed: 01/25/22
Diesel Range Organics (C10-C28)	581	25.0	500	ND	116	38-132	3.56	20	
Surrogate: n-Nonane	52.7		50.0		105	50-200			



## **QC Summary Data**

		$\mathbf{x} \in \mathbf{z}$							
Tap Rock 7 W. Compress Road Artesia NM, 88210		Project Name: Project Number: Project Manager	2	Contest 211 H 20046-0001 Vatalie Gladder	1				<b>Reported:</b> 1/26/2022 5:52:27PM
		Anions	by EPA	300.0/90564	4				Analyst: RAS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2205039-BLK1)							Prepared: 0	1/25/22 A	Analyzed: 01/26/22
Chloride LCS (2205039-BS1)	ND	20.0					Prepared: 0	1/25/22 A	Analyzed: 01/26/22
Chloride	248	20.0	250		99.3	90-110			
Matrix Spike (2205039-MS1)				Source:	E201126-0	)2	Prepared: 0	1/25/22 A	Analyzed: 01/26/22
Chloride	248	20.0	250	ND	99.1	80-120			
Matrix Spike Dup (2205039-MSD1)				Source:	E201126-0	)2	Prepared: 0	1/25/22 A	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

Received by OCD: 3/14/2023 8:36:39 AM

Client: TAROCK	Bill To		11	_	La	b Us	Use Only				1	TA	EPA P	rogram	
Project: CONTEST 214	Attention: 55	. 44	Lab	WO#	10			Numb		1D	2D	3D	Standard	CWA	SDWA
Project Manager:	Address: 2/14 W cant	1 KU	E	20	10	0			0001				24		
Address: City, State, Zip	Address: 2724 W COMMT City, State, Zip HOBAS NA Phone: (575) 390-6393 Email: NATALIC GLA	1 Trup	-	-			Anal	ysis an	d Metho	d	-		_		RCRA
Phone:	Email: ATALIE (LA	AA Ga	5	5							ray			C+-++	
Email:	cillan. Normal Sar	00	00	8015				0					NM CO	State	TVI
Report due by:			O by	Vd O	8021	3260	010	300.			8		1010100	UT AZ	TX
Time Sampled Date Sampled Matrix No. of Containers Sample ID		Lab Number	DRO/ORO	GRO/DRO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			360		R.	Remarks	5
12:45-1-20 S, 1, 54	9 - SYRK	1									X				
12:50 54	9-2-	2							_		$\left \right $				
1:15 ( ) 5 h	10 - SyRF	3											1		
1118 / 50	10-2-	4													
1:40 66	11 - SURF	5													AL.
1:46 54	11- 2-	6													
2:00 50	12- 5426	7											1		
2:45 56	12-4-	б													
3:00 54	13. 54nr.	9													
3:10 54	-13-2-	10									1				
Additional Instructions:							-	-							
I, (field sampler), attest to the validity and authenticity of this sample. I date or time of collection is considered fraud and may be grounds for leg		ng the sample lo	ncation,	7	~								eived on ice the day t °C on subsequent da		ed or received
Relinquished by: (Signature) Date Tim	Beceived by: (Signature)-	Date	22	Time /	411				on ice:	L		e Onl		1	
Relinquished by: (Signature) Date 1.24.22	11) Releventor (Signarye) 1830 Cartlen Chutur	1.2.4. Date 1/25/	22	Time 9'	52		T1			T2			T3		24. 15 X C - 3
Relinquished by: (Signature) Date Tim	Received by: (Signature)	Date		Time			AVG	Temr	°c 4						
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other	12	Container	Туре	:g-e	lass, n						5. V -	VOA			1
Note: Samples are discarded 30 days after results are reported u	aless other arrangements are made. Hazardeus r	non-last 100 has	rature	0 0			11 11		0	0.0.	-1 -				

**envirotech** 

Page 2 of 2

Client:	CONT	ock	211 H	<del>,</del>		ttantion. K	Bill To ک ک		lah	WO#		b Use	_	-	er	10	20 13	TAT BD S	standard	EPA P CWA	rogram SDW
Project Manager: Address:				Address: 2724 W COUNTY RD City, State, Zip HOBBS NA 88240 Phone: (575) 390-6397 Email: NATALE GLADBEN			E 20 11 2 4			6	Job Number 20046 - 0001 Analysis and Method						CWA	RCR			
City, State Phone: Email: Report du				_	Ē	2hone: <b>(575)</b> Email: 1045	390-639 AUS GU	T. ADBEN	py 8	O by 8015	8021	3260	010	300.0			S60UCNH		NM CO	State UT AZ	TX
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				Lab Number	DRO/ORO I	GRO/DRO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			660			Remarks	
11:35	1-20	S	1	Sp	12-	13-		K									X				
1/:45	1-20	S	1	SP	3-	13- 21-		12									X				
_												_						_			
											-			_	-		_	_	-		
									-			_		_	-			-			_
									-		_	-	-		_			-			
-									-			-	-	+			-	-			
										-	-		-	-	+		-	+	-		
													-	-	-		-	-			
	al Instruction							-				-			_			1			
(field sampl late or time i	ler), attest to the of collection is co	validity and	authenticity	of this sample. be grounds for l	I am aware legal action.	that tampering with or int Sampleo	by: MARC R	g the sample lo	cation	n	1								l on ice the day the n subsequent days		d or rece
at	d by: (Signature	add	- Date Date	4/27	me 2.11	Received by: (Signa	ture)	Date /.2 U.	22	Time Time	41	/	Rece	ived o	n ice:	La	b Use / N	Only		1	1
telinquishe	d by: (Signature		/. Date		1830 ime	Received by: (Sign: Received by: (Sign:		Date	22	9:3 Time	52		T1		_	<u>T2</u>		_	<u>T3</u>		1
	x: S - Soil, Sd - So		lge. A - Aque	ous Q - Other				Container	Type		lace	/	AVG	Temp	°c_4			10	1.0		
lote: Samp	les are discarde	d 30 days	after result	s are reported	unless oth	er arrangements are m th this COC. The liability	ide. Hazardous sa	mples will be	retur	ned to	client	or dis	posed	ofatt	he client	exbeu:	se. The	report	for the analys	is of the at	ove

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

lient:	Tap Rock E	Date Received:	01/25/22 09	9:52	Work Order ID:	E201126
Phone:	(575) 390-6397 E	Date Logged In:	01/25/22 10	):10	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	01/26/22 17	7:00 (1 day TAT)		
Chain of	<u>Custody (COC)</u>					
1. Does t	he sample ID match the COC?		Yes			
2. Does t	he number of samples per sampling site location match	n the COC	Yes			
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: Carrier		
4. Was th	e COC complete, i.e., signatures, dates/times, requeste	d analyses?	Yes			
5. Were a	Ill samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.		Yes		Commen	ts/Resolution
Sample 7	<u>Furn Around Time (TAT)</u>					
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (	<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
12. Was th	ne sample received on ice? If yes, the recorded temp is 4°C, i.e Note: Thermal preservation is not required, if samples are r minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sample te	mperature: <u>4°</u>	<u>C</u>			
Sample (	<u>Container</u>					
14. Are a	queous VOC samples present?		No			
15. Are V	/OC samples collected in VOA Vials?		NA			
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA			
17. Was a	a trip blank (TB) included for VOC analyses?		NA			
18. Are n	non-VOC samples collected in the correct containers?		Yes			
19. Is the	appropriate volume/weight or number of sample container	rs collected?	Yes			
Field La	<u>bel</u>					
	field sample labels filled out with the minimum inform	nation:				
	ample ID?		Yes			
	Date/Time Collected? Collectors name?		No			
	Preservation		No			
	the COC or field labels indicate the samples were pres	served?	No			
	ample(s) correctly preserved?		NA			
	filteration required and/or requested for dissolved met	tals?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multiphase	?	No			
	s, does the COC specify which phase(s) is to be analyze		NA			
-			INA			
	ract Laboratory	9	NT-			
	amples required to get sent to a subcontract laboratory		No			
20 Was	a subcontract laboratory specified by the client and if s	o who'?	NA g	Subcontract Lab: na		

Date

envirotech Inc.

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

Released to Imaging: 3/21/2023 10:35:27 AM





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: E201142

Job Number: 20046-0001

Received: 1/28/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 2/3/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 2/3/22

Natalie Gladden 7 W. Compress Road Artesia, NM 88210

Project Name: Contest 211 H Workorder: E201142 Date Received: 1/28/2022 1:10:00PM

Natalie Gladden,



Page 210 of 398

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/28/2022 1:10:00PM, under the Project Name: Contest 211 H.

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

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

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

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

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

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Envirotech Web Address: www.envirotech-inc.com

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#### Sample Summary

		Sample Sum	mai y		
Tap Rock		Project Name:	Contest 211 H		Reported:
7 W. Compress Road	Project Number:	20046-0001		Keporteu.	
Artesia NM, 88210		Project Manager:	Natalie Gladden		02/03/22 14:00
lient Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
P4-25'	E201142-01A	Soil	01/24/22	01/28/22	Glass Jar, 4 oz.
P6-24'	E201142-02A	Soil	01/24/22	01/28/22	Glass Jar, 4 oz.
W14-Surf	E201142-03A	Soil	01/24/22	01/28/22	Glass Jar, 4 oz.
W14-2'	E201142-04A	Soil	01/24/22	01/28/22	Glass Jar, 4 oz.
W15-Surf	E201142-05A	Soil	01/24/22	01/28/22	Glass Jar, 4 oz.
W15-2'	E201142-06A	Soil	01/24/22	01/28/22	Glass Jar, 4 oz.
W16-Surf	E201142-07A	Soil	01/24/22	01/28/22	Glass Jar, 4 oz.
W16-3'	E201142-08A	Soil	01/24/22	01/28/22	Glass Jar, 4 oz.
W17-Surf	E201142-09A	Soil	01/24/22	01/28/22	Glass Jar, 4 oz.
W17-3'	E201142-10A	Soil	01/24/22	01/28/22	Glass Jar, 4 oz.



		ampic D					
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manag	er: 2004	test 211 H 46-0001 Ilie Gladden			<b>Reported:</b> 2/3/2022 2:00:32PM	
		SP4-25'					
		E201142-01					
		Reporting					
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: IY	alyst: IY		
Benzene	ND	0.0250	1	01/28/22	01/31/22		
Ethylbenzene	ND	0.0250	1	01/28/22	01/31/22		
foluene	ND	0.0250	1	01/28/22	01/31/22		
o-Xylene	ND	0.0250	1	01/28/22	01/31/22		
o,m-Xylene	ND	0.0500	1	01/28/22	01/31/22		
Total Xylenes	ND	0.0250	1	01/28/22	01/31/22		
urrogate: 4-Bromochlorobenzene-PID		96.5 %	70-130	01/28/22	01/31/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2205067	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/22	01/31/22		
urrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	01/28/22	01/31/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: JL		Batch: 2205060	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/22	01/29/22		
Dil Range Organics (C28-C36)	ND	50.0	1	01/28/22	01/29/22		
urrogate: n-Nonane		86.7 %	50-200	01/28/22	01/29/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: IY		Batch: 2206010	
Chloride	199	20.0	1	02/01/22	02/02/22		

## Sample Data

## Sample Data

	5	ample D	ala			
Tap Rock 7 W. Compress Road	Project Name Project Numb		test 211 H 46-0001			Reported:
Artesia NM, 88210	Project Manag		lie Gladden	2/3/2022 2:00:32PM		
		SP6-24'				
		E201142-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: IY		Batch: 2205067
Benzene	ND	0.0250	1	01/28/22	01/31/22	
Ethylbenzene	ND	0.0250	1	01/28/22	01/31/22	
Foluene	ND	0.0250	1	01/28/22	01/31/22	
p-Xylene	ND	0.0250	1	01/28/22	01/31/22	
o,m-Xylene	ND	0.0500	1	01/28/22	01/31/22	
Fotal Xylenes	ND	0.0250	1	01/28/22	01/31/22	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	01/28/22	01/31/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	llyst: IY		Batch: 2205067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/22	01/31/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	01/28/22	01/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2205060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/22	01/29/22	
Dil Range Organics (C28-C36)	ND	50.0	1	01/28/22	01/29/22	
Surrogate: n-Nonane		96.8 %	50-200	01/28/22	01/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2206010
Chloride	ND	20.0	1	02/01/22	02/02/22	



### Sample Data

	5	ample D	ลเล				
Tap Rock	Project Name:	: Con	test 211 H				
7 W. Compress Road	Project Numbe	er: 2004	46-0001			Reported:	
Artesia NM, 88210	Project Manag	ger: Nata	alie Gladden			2/3/2022 2:00:32PM	
		SW14-Surf					
		E201142-03					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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		
Foluene	ND	0.0250	1	01/28/22	01/31/22		
p-Xylene	ND	0.0250	1	01/28/22	01/31/22		
o,m-Xylene	ND	0.0500	1	01/28/22	01/31/22		
Total Xylenes	ND	0.0250	1	01/28/22	01/31/22		
Surrogate: 4-Bromochlorobenzene-PID		99.0 %	70-130	01/28/22	01/31/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2205067	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/22	01/31/22		
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	01/28/22	01/31/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2205060	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/22	01/29/22		
Dil Range Organics (C28-C36)	ND	50.0	1	01/28/22	01/29/22		
Surrogate: n-Nonane		94.4 %	50-200	01/28/22	01/29/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2206010	
Chloride	ND	20.0	1	02/01/22	02/02/22		



## Sample Data

	5	ampie D	ala				
Tap Rock 7 W. Compress Road	Project Name Project Numb		test 211 H 46-0001			Reported:	
Artesia NM, 88210	Project Manag	ger: Nata	alie Gladden			2/3/2022 2:00:32PM	
		SW14-2'					
		E201142-04					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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		
Foluene	ND	0.0250	1	01/28/22	01/31/22		
p-Xylene	ND	0.0250	1	01/28/22	01/31/22		
o,m-Xylene	ND	0.0500	1	01/28/22	01/31/22		
Fotal Xylenes	ND	0.0250	1	01/28/22	01/31/22		
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	01/28/22	01/31/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2205067	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/22	01/31/22		
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	01/28/22	01/31/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	ıt: JL		Batch: 2205060	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/22	01/29/22		
Dil Range Organics (C28-C36)	ND	50.0	1	01/28/22	01/29/22		
Surrogate: n-Nonane		99.1 %	50-200	01/28/22	01/29/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: IY		Batch: 2206010	
Chloride	ND	20.0	1	02/01/22	02/02/22		
#### Sample Data

	D	ampic D	ala			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numb Project Manag	er: 2004	test 211 H 46-0001 Ilie Gladden			<b>Reported:</b> 2/3/2022 2:00:32PM
		SW15-Surf				
		E201142-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
oluene	ND	0.0250	1	01/28/22	01/31/22	
-Xylene	ND	0.0250	1	01/28/22	01/31/22	
o,m-Xylene	ND	0.0500	1	01/28/22	01/31/22	
Total Xylenes	ND	0.0250	1	01/28/22	01/31/22	
urrogate: 4-Bromochlorobenzene-PID		99.4 %	70-130	01/28/22	01/31/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2205067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/22	01/31/22	
urrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	01/28/22	01/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2205060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/22	01/29/22	
Dil Range Organics (C28-C36)	ND	50.0	1	01/28/22	01/29/22	
Surrogate: n-Nonane		96.5 %	50-200	01/28/22	01/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: IY		Batch: 2206010
Chloride	705	20.0	1	02/01/22	02/02/22	



#### Sample Data

	3	ample D	ala			
Tap Rock	Project Name		test 211 H			
7 W. Compress Road	Project Numb		46-0001			Reported:
Artesia NM, 88210	Project Mana	ger: Nata	ilie Gladden			2/3/2022 2:00:32PM
		SW15-2'				
		E201142-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
o,m-Xylene	ND	0.0500	1	01/28/22	02/01/22	
Total Xylenes	ND	0.0250	1	01/28/22	02/01/22	
urrogate: 4-Bromochlorobenzene-PID		99.9 %	70-130	01/28/22	02/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2205067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/22	02/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	01/28/22	02/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2205060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/22	01/29/22	
Dil Range Organics (C28-C36)	ND	50.0	1	01/28/22	01/29/22	
urrogate: n-Nonane		95.2 %	50-200	01/28/22	01/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: IY		Batch: 2206010
Chloride	ND	20.0	1	02/01/22	02/02/22	



#### Sample Data

	5	ample D	ลเล			
Tap Rock	Project Name:	: Con	test 211 H			
7 W. Compress Road	Project Numbe	er: 2004	46-0001			Reported:
Artesia NM, 88210	Project Manag	ger: Nata	alie Gladden			2/3/2022 2:00:32PM
		SW16-Surf				
		E201142-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: IY		Batch: 2205067
Benzene	ND	0.0250	1	01/28/22	02/01/22	
Ethylbenzene	ND	0.0250	1	01/28/22	02/01/22	
Toluene	ND	0.0250	1	01/28/22	02/01/22	
p-Xylene	ND	0.0250	1	01/28/22	02/01/22	
o,m-Xylene	ND	0.0500	1	01/28/22	02/01/22	
Fotal Xylenes	ND	0.0250	1	01/28/22	02/01/22	
Surrogate: 4-Bromochlorobenzene-PID		98.7 %	70-130	01/28/22	02/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: IY		Batch: 2205067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/22	02/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	01/28/22	02/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: 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		93.0 %	50-200	01/28/22	01/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: IY		Batch: 2206010
Chloride	6200	40.0	2	02/01/22	02/02/22	



#### Sample Data

	5	ample D	ลเล			
Tap Rock	Project Name:	: Con	test 211 H			
7 W. Compress Road	Project Numb	er: 2004	46-0001			Reported:
Artesia NM, 88210	Project Manag	ger: Nata	alie Gladden			2/3/2022 2:00:32PM
		SW16-3'				
		E201142-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
p-Xylene	ND	0.0250	1	01/28/22	02/01/22	
o,m-Xylene	ND	0.0500	1	01/28/22	02/01/22	
Total Xylenes	ND	0.0250	1	01/28/22	02/01/22	
Surrogate: 4-Bromochlorobenzene-PID		97.7 %	70-130	01/28/22	02/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2205067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/22	02/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	01/28/22	02/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2205060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/22	01/29/22	
Dil Range Organics (C28-C36)	ND	50.0	1	01/28/22	01/29/22	
Surrogate: n-Nonane		91.7 %	50-200	01/28/22	01/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2206010
Chloride	20.9	20.0	1	02/01/22	02/02/22	



#### Sample Data

	50	ample D	ala			
Tap Rock	Project Name:	Con	test 211 H			
7 W. Compress Road	Project Numbe	er: 2004	46-0001			Reported:
Artesia NM, 88210	Project Manag	er: Nata	ılie Gladden			2/3/2022 2:00:32PM
	(	SW17-Surf				
	-	E201142-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
p-Xylene	ND	0.0250	1	01/28/22	02/01/22	
o,m-Xylene	ND	0.0500	1	01/28/22	02/01/22	
Fotal Xylenes	ND	0.0250	1	01/28/22	02/01/22	
Surrogate: 4-Bromochlorobenzene-PID		97.2 %	70-130	01/28/22	02/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	: IY		Batch: 2205067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/22	02/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	01/28/22	02/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	: JL		Batch: 2205060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/22	01/29/22	
Dil Range Organics (C28-C36)	ND	50.0	1	01/28/22	01/29/22	
Surrogate: n-Nonane		101 %	50-200	01/28/22	01/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: IY		Batch: 2206010
Chloride	13000	400	20	02/01/22	02/02/22	



#### Sample Data

	D D	ample D	ลเล			
Tap Rock	Project Name	e: Con	test 211 H			
7 W. Compress Road	Project Numb	per: 2004	46-0001			Reported:
Artesia NM, 88210	Project Mana	ger: Nata	alie Gladden			2/3/2022 2:00:32PM
		SW17-3'				
		E201142-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2205067
Benzene	ND	0.0250	1	01/28/22	02/01/22	
Ethylbenzene	ND	0.0250	1	01/28/22	02/01/22	
Toluene	ND	0.0250	1	01/28/22	02/01/22	
p-Xylene	ND	0.0250	1	01/28/22	02/01/22	
o,m-Xylene	ND	0.0500	1	01/28/22	02/01/22	
Total Xylenes	ND	0.0250	1	01/28/22	02/01/22	
Surrogate: 4-Bromochlorobenzene-PID		97.7 %	70-130	01/28/22	02/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2205067
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/22	02/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	01/28/22	02/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2205060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/22	01/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/22	01/29/22	
Surrogate: n-Nonane		99.2 %	50-200	01/28/22	01/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2206010
Chloride	63.1	20.0	1	02/01/22	02/02/22	



# QC Summary Data

		QU DI		i j Duu					
Tap Rock 7 W. Compress Road		Project Name: Project Number:		ontest 211 H 0046-0001					Reported:
Artesia NM, 88210		Project Manager:		atalie Gladder	1				2/3/2022 2:00:32PM
		Volatile O	rganics b	oy EPA 802	21 <b>B</b>				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2205067-BLK1)							Prepared: 0	1/28/22 A	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: 0	1/28/22 A	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: 0	1/28/22 A	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: 0	1/28/22 A	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	
		0.0250		11D	100	05-151	5.11	20	



# **QC Summary Data**

		QC D	u111111	il y Data	•				
Tap Rock 7 W. Compress Road Artesia NM, 88210		Project Name: Project Number: Project Manager:	20	ontest 211 H 0046-0001 atalie Gladden					<b>Reported:</b> 2/3/2022 2:00:32PM
	Noi	nhalogenated C	Organics	by EPA 801	5D - GI	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
	шgжg	шукд	ing kg	ing kg	70	70	70	70	Notes
Blank (2205067-BLK1)							Prepared: 0	1/28/22 A	nalyzed: 01/31/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.18		8.00		102	70-130			
LCS (2205067-BS2)							Prepared: 0	1/28/22 A	nalyzed: 01/31/22
Gasoline Range Organics (C6-C10)	44.8	20.0	50.0		89.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.38		8.00		105	70-130			
Matrix Spike (2205067-MS2)				Source: <b>F</b>	201142-0	)1	Prepared: 0	1/28/22 A	nalyzed: 01/31/22
Gasoline Range Organics (C6-C10)	50.7	20.0	50.0	ND	101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.54		8.00		107	70-130			
Matrix Spike Dup (2205067-MSD2)				Source: <b>F</b>	201142-0	)1	Prepared: 0	1/28/22 A	nalyzed: 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**

		$\mathbf{v} \in \mathcal{S}$		ary Data	•				
Tap Rock 7 W. Compress Road Artesia NM, 88210		Project Name: Project Number: Project Manager:	2	Contest 211 H 0046-0001 latalie Gladden					<b>Reported:</b> 2/3/2022 2:00:32PM
Alusia IVIVI, 86210		i lojeet Manager.	1						2/5/2022 2:00:521 W
	Nonh	alogenated Org	anics by	EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2205060-BLK1)							Prepared: 0	1/28/22 A	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: 0	1/28/22 A	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: H	201129-	10	Prepared: 0	1/28/22 A	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: H	201129-	10	Prepared: 0	1/28/22 A	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**

		QU N	unin,	ary Date					
Tap Rock 7 W. Compress Road Artesia NM, 88210		Project Name: Project Number: Project Manager	2	Contest 211 H 0046-0001 Vatalie Gladder	1				<b>Reported:</b> 2/3/2022 2:00:32PM
		Anions	by EPA	300.0/90564	۱				Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2206010-BLK1)							Prepared: 0	2/01/22 A	nalyzed: 02/01/22
Chloride LCS (2206010-BS1)	ND	20.0					Prepared: 0	2/01/22 A	nalyzed: 02/01/22
Chloride	246	20.0	250		98.4	90-110			
Matrix Spike (2206010-MS1)				Source:	E201129-0	)1	Prepared: 0	2/01/22 A	nalyzed: 02/01/22
Chloride	278	20.0	250	33.2	97.9	80-120			
Matrix Spike Dup (2206010-MSD1)				Source:	E201129-0	)1	Prepared: 0	2/01/22 A	nalyzed: 02/01/22
Chloride	288	20.0	250	33.2	102	80-120	3.69	20	

QC Summary Report Comment:

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



# **Definitions and Notes**

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.



Project Information

Released to Imaging: 3/21/2023 10:35:27 AM

Chain of Custody

Page \_\_\_\_\_ of \_\_\_\_\_

Received by OCD: 3/14/2023 8:36:39 AM

lient: TAPROCK roject: CONTEST 211H	Attention: $\mathcal{E} S^{\text{Bill To}}$		11			b Us	se On	-				TA	1	EPA P	rogram
	Attention: E 3) Address: 2427 W. ConwTy R.	1	Lab	WO#		2		Numbe	r	1D	2D	3D	Standard	CWA	SDW
roject Manager: ddress:	City, State, Zip Hoobs NM 8		Eq	01	14	d		046					~	1.1	
ity, State, Zip	Phone: (375) 390-639	7			-	-	Analy	sis and	Method	-	-		1 119		RCR
hone:	Email: MATALIE GLA	notes	10	10							MN		-		
mail:			801	801							2	- 1	NINE CO.	State	
eport due by:	Dakoatan mon	tarez	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			2		NIVI CO	UT AZ	
Time		Lab	/OR(	/DR(	( pA	by 8	als 6(	ride			Š		7		
ampled Date Sampled Matrix Containers Sample		Number	DRO	GRO	BTE)	VOC	Met	Chlo			8600			Remarks	
r.10 1-24 5 1	SP 4-25-	1									X				
8:50 / /	SP6-24-	2									7				
115	56014- SURF	3						-		1					
	5414-2-	4													
1:40	SW15- SURF	5									$\mathbf{H}$	-			
:50	5415-2-	4									1				
0:30	SW16 - SURF	7													
28	Sw16. 3	8													
2:55	SWIT-SURF	9									T				
1:10 \ \ \	5417-3-	10									1				
dditional Instructions:															
eld sampler), attest to the validity and authenticity of this sa e or time of collection is considered fraud and may be ground	I am aware that tampering with or intentionally mislabelling is for legal action. <u>Sampled by: MACCL PA</u>	the sample lo	cation	-	/		Samples packed i	requiring t	hermal pre avg temp a	servatio bove 0 b	n must iut less	be recei than 6 °	ved on ice the day th C on subsequent day	ney are sample	d or receiv
atol u Glad du 1(77)	Time Received by: (Signature)	Date  .27.7	T	lime 14	toi		Recei	ved on	ice:	Lab		Only	'		1.00
induisted by: (Signature) Date	2 18'30 Reclined by: (Signature)	Date 1/28/2	T	ime	:10	200	T1	veu on		12	N		тэ		2
Induished by: (Signature) Date	Time Received by: (Signature)	Date		ime		1	1.1	o	4	1			<u>T3</u>		and the
nple Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - O	ther	Container	Type	g . cl	200 m			Temp °		alace		04			
te: Samples are discarded 30 days after results are rep	orted unless other arrangements are made. Hazardous sam	noies will be	returne	of he	client	or dis	nosed	of at the	e client e	gidss,	v - V	OA rang	art for the analy	ir of the sh	0110
nples is applicable only to those samples received by the	ne laboratory with this COC. The liability of the laboratory is	limited to th	0.2000	unt n	hid for	on th	peseu	S. at the	- chemice	hense		ciepu	actor the analys	is of the ab	ove

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Client:	Tap Rock D	ate Received:	01/28/22	13:10	Work Order ID:	E201142
Phone:	(575) 390-6397 D	ate Logged In:	01/28/22	08:50	Logged In By:	Caitlin Christian
Email:		ue Date:	02/03/22	17:00 (4 day TAT)		
Chain o	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	Carrier: Carrier		
4. Was t	the COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disussion.	e field,	Yes		Commen	ts/Resolution
Sample	<u>Turn Around Time (TAT)</u>					
6. Did tl	he COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	Cooler					
7. Was a	a sample cooler received?		Yes			
8. If yes	s, was cooler received in good condition?		Yes			
9. Was t	the sample(s) received intact, i.e., not broken?		Yes			
10. Wer	e custody/security seals present?		No			
	es, were custody/security seals intact?		NA			
	the sample received on ice? If yes, the recorded temp is 4°C, i.e Note: Thermal preservation is not required, if samples are re		Yes			
	minutes of sampling					
13. If no	o visible ice, record the temperature. Actual sample tem	nperature: <u>4°</u>	<u>C</u>			
Sample	Container					
14. Are	aqueous VOC samples present?		No			
15. Are	VOC samples collected in VOA Vials?		NA			
16. Is th	he head space less than 6-8 mm (pea sized or less)?		NA			
17. Was	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
	non i o o sumptes concerce in the concerce containers.					
18. Are	e appropriate volume/weight or number of sample containers	s collected?	Yes			
18. Are	e appropriate volume/weight or number of sample container	s collected?				
18. Are 19. Is the <u>Field La</u>	e appropriate volume/weight or number of sample container					
<ol> <li>18. Are</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> </ol>	e appropriate volume/weight or number of sample container abel e field sample labels filled out with the minimum inform Sample ID?					
<ol> <li>Are</li> <li>Is the</li> <li>Field La</li> <li>Wer</li> </ol>	e appropriate volume/weight or number of sample container: <u>abel</u> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected?		Yes Yes Yes			
<ol> <li>Are</li> <li>Is the</li> <li>Field La</li> <li>Were</li> </ol>	e appropriate volume/weight or number of sample containers <u>abel</u> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name?		Yes Yes			
<ol> <li>Are</li> <li>Is the</li> <li>Field La</li> <li>Wer</li> </ol> Sample	e appropriate volume/weight or number of sample container: abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation	ation:	Yes Yes Yes Yes			
<ul> <li>18. Are</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> </ul> Sample 21. Doe	e appropriate volume/weight or number of sample container: abel re field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation is the COC or field labels indicate the samples were prese	ation:	Yes Yes Yes Yes No			
<ol> <li>Are</li> <li>Is the</li> <li>Field La</li> <li>Wer</li> <li>Sample</li> <li>Doe</li> <li>Are</li> </ol>	e appropriate volume/weight or number of sample container: abel the field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation is the COC or field labels indicate the samples were prese sample(s) correctly preserved?	ation: erved?	Yes Yes Yes No NA			
<ol> <li>Are</li> <li>Is the</li> <li>Field La</li> <li>Wer</li> <li>Wer</li> <li>Sample</li> <li>Doe</li> <li>Are</li> <li>Is la</li> </ol>	e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation es the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta	ation: erved?	Yes Yes Yes Yes No			
<ol> <li>Are</li> <li>Is the</li> <li>Field La</li> <li>Wer</li> <li>Wer</li> <li>Sample</li> <li>Doe</li> <li>Loe</li> <li>Are</li> <li>Is la</li> <li>Multipl</li> </ol>	e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation as the COC or field labels indicate the samples were press sample(s) correctly preserved? b filteration required and/or requested for dissolved meta hase Sample Matrix	ation: erved? als?	Yes Yes Yes No NA No			
<ol> <li>Are</li> <li>Is the</li> <li>Field L:</li> <li>Wer</li> <li>Wer</li> <li>Sample</li> <li>Doe</li> <li>Are</li> <li>Is la</li> <li>Multipl</li> <li>Doe</li> </ol>	e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation es the COC or field labels indicate the samples were prese sample(s) correctly preserved? ab filteration required and/or requested for dissolved meta hase Sample Matrix is the sample have more than one phase, i.e., multiphase?	ation: erved? als?	Yes Yes Yes No NA No			
<ol> <li>Are</li> <li>Is the</li> <li>Field L:</li> <li>Wer</li> <li>Wer</li> <li>Wer</li> <li>Doe</li> <li>Are</li> <li>Is la</li> <li>Multipi</li> <li>Doe</li> <li>Doe</li> </ol>	e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation as the COC or field labels indicate the samples were press sample(s) correctly preserved? b filteration required and/or requested for dissolved meta hase Sample Matrix	ation: erved? als?	Yes Yes Yes No NA No			
<ol> <li>Are</li> <li>Is the</li> <li>Field L:</li> <li>Wer</li> <li>Wer</li> <li>Sample</li> <li>Doe</li> <li>Are</li> <li>Are</li> <li>Is la</li> <li>Multipi</li> <li>Doe</li> <li>The</li> <li>Subcon</li> </ol>	e appropriate volume/weight or number of sample container: abel re field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation rest the COC or field labels indicate the samples were preserved? ab filteration required and/or requested for dissolved meta hase Sample Matrix is the sample have more than one phase, i.e., multiphase? es, does the COC specify which phase(s) is to be analyze tract Laboratory	ation: erved? als? d?	Yes Yes Yes No NA No			
<ol> <li>Are</li> <li>Is the</li> <li>Field L:</li> <li>Wer</li> <li>Wer</li> <li>Sample</li> <li>Doe</li> <li>Are</li> <li>Are</li> <li>Is la</li> <li>Multipi</li> <li>Doe</li> <li>The</li> <li>Subcon</li> </ol>	e appropriate volume/weight or number of sample container: abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation es the COC or field labels indicate the samples were prese sample(s) correctly preserved? ab filteration required and/or requested for dissolved meta hase Sample Matrix is the sample have more than one phase, i.e., multiphase? es, does the COC specify which phase(s) is to be analyze	ation: erved? als? d?	Yes Yes Yes No NA No			

B

Date

envirotech Inc.

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





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

E201143

Job Number: 20046-0001

Work Order:

Received: 1/28/2022

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 2/7/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 2/7/22

Natalie Gladden 7 W. Compress Road Artesia, NM 88210

Project Name: Contest 211 H Workorder: E201143 Date Received: 1/28/2022 1:10:00PM

Natalie Gladden,



Page 231 of 398

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/28/2022 1:10:00PM, under the Project Name: Contest 211 H.

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

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

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

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

Respectfully,

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Envirotech Web Address: www.envirotech-inc.com

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#### Sample Summary

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



	5	ampie D	ala			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numb Project Manag	er: 2004	test 211 H 46-0001 alie Gladden			<b>Reported:</b> 2/7/2022 11:49:07AN
Anesia NM, 86210	Project Manag					2///2022 11.49.0/AN
		SP 7-19'				
		E201143-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
p-Xylene	ND	0.0250	1	02/01/22	02/02/22	
p,m-Xylene	ND	0.0500	1	02/01/22	02/02/22	
Total Xylenes	ND	0.0250	1	02/01/22	02/02/22	
Surrogate: 4-Bromochlorobenzene-PID		97.8 %	70-130	02/01/22	02/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2206011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/01/22	02/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.7 %	70-130	02/01/22	02/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2206027
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/22	02/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/22	02/03/22	
Surrogate: n-Nonane		99.7 %	50-200	02/02/22	02/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: IY		Batch: 2206008
Chloride	68.3	20.0	1	02/01/22	02/01/22	

# Sample Data



#### Sample Data

	3	ample D	ลเล			
Tap Rock	Project Name		test 211 H			
7 W. Compress Road	Project Numb		46-0001	<b>Reported:</b>		
Artesia NM, 88210	Project Manag	ger: Nata	ilie Gladden			2/7/2022 11:49:07AM
		SP 12-22'				
		E201143-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: 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	
-Xylene	ND	0.0250	1	02/01/22	02/02/22	
o,m-Xylene	ND	0.0500	1	02/01/22	02/02/22	
Total Xylenes	ND	0.0250	1	02/01/22	02/02/22	
urrogate: 4-Bromochlorobenzene-PID		99.5 %	70-130	02/01/22	02/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: IY			Batch: 2206011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/01/22	02/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.6 %	70-130	02/01/22	02/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: JL		Batch: 2206027
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/22	02/03/22	
Dil Range Organics (C28-C36)	ND	50.0	1	02/02/22	02/03/22	
Surrogate: n-Nonane		97.3 %	50-200	02/02/22	02/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: IY		Batch: 2206008
Chloride	ND	20.0	1	02/01/22	02/01/22	



### Sample Data

	5	ampic D	ala			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name:Contest 211 HProject Number:20046-0001Project Manager:Natalie Gladden				<b>Reported:</b> 2/7/2022 11:49:07AM	
		SP 13-22'				
		E201143-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Analyst: IY		
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	
p-Xylene	ND	0.0250	1	02/01/22	02/02/22	
o,m-Xylene	ND	0.0500	1	02/01/22	02/02/22	
Total Xylenes	ND	0.0250	1	02/01/22	02/02/22	
Surrogate: 4-Bromochlorobenzene-PID		99.8 %	70-130	02/01/22	02/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2206011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/01/22	02/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.0 %	70-130	02/01/22	02/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2206027
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/22	02/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/22	02/03/22	
Surrogate: n-Nonane		96.4 %	50-200	02/02/22	02/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: IY		Batch: 2206008
Chloride	ND	20.0	1	02/01/22	02/01/22	

#### Sample Data

	3	ample D	ลเล			
Tap Rock	Project Name	e: Con	test 211 H			
7 W. Compress Road	Project Numb		46-0001			Reported:
Artesia NM, 88210	Project Mana	ger: Nata	alie Gladden			2/7/2022 11:49:07AM
		SP 14-19'				
		E201143-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
p-Xylene	ND	0.0250	1	02/01/22	02/02/22	
o,m-Xylene	ND	0.0500	1	02/01/22	02/02/22	
Total Xylenes	ND	0.0250	1	02/01/22	02/02/22	
Surrogate: 4-Bromochlorobenzene-PID		99.9 %	70-130	02/01/22	02/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2206011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/01/22	02/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.8 %	70-130	02/01/22	02/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2206027
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/22	02/03/22	
Dil Range Organics (C28-C36)	ND	50.0	1	02/02/22	02/03/22	
Surrogate: n-Nonane		99.5 %	50-200	02/02/22	02/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2206008
Chloride	ND	20.0	1	02/01/22	02/01/22	



#### Sample Data

	C C	ample D	ala			
Tap Rock 7 W. Compress Road	Project Name Project Num		test 211 H 46-0001			Reported:
Artesia NM, 88210	Project Mana	ager: Nata	alie Gladden	2/7/2022 11:49:07AM		
		SP 16-9'				
		E201143-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2206011
Benzene	ND	0.0250	1	02/01/22	02/02/22	
Ethylbenzene	ND	0.0250	1	02/01/22	02/02/22	
Toluene	ND	0.0250	1	02/01/22	02/02/22	
p-Xylene	ND	0.0250	1	02/01/22	02/02/22	
o,m-Xylene	ND	0.0500	1	02/01/22	02/02/22	
Fotal Xylenes	ND	0.0250	1	02/01/22	02/02/22	
Surrogate: 4-Bromochlorobenzene-PID		99.3 %	70-130	02/01/22	02/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2206011
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/01/22	02/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.9 %	70-130	02/01/22	02/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2206027
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/22	02/03/22	
Dil Range Organics (C28-C36)	ND	50.0	1	02/02/22	02/03/22	
Surrogate: n-Nonane		92.4 %	50-200	02/02/22	02/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2206008
Chloride	ND	20.0	1	02/01/22	02/01/22	



# QC Summary Data

		QC DI	u	ny Duu	•				
Tap Rock 7 W. Compress Road		Project Name: Project Number:		ontest 211 H )046-0001					Reported:
Artesia NM, 88210		Project Manager:		atalie Gladden					2/7/2022 11:49:07AM
7 ii tesia 1 (vi, 662 i 6		, 0		Natalle Gladdell					2,7,2022 111,510,111
		Volatile O	rganics l	oy EPA 802	1B				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2206011-BLK1)							Prepared: 0	2/01/22 A	nalyzed: 02/02/22
Benzene	ND	0.0250							-
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.92	010220	8.00		99.0	70-130			
LCS (2206011-BS1)							Prepared: 0	2/01/22 A	nalyzed: 02/02/22
Benzene	4.13	0.0250	5.00		82.6	70-130			
Ethylbenzene	4.21	0.0250	5.00		84.1	70-130			
Toluene	4.29	0.0250	5.00		85.9	70-130			
p-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: l	E201143-(	03	Prepared: 0	2/01/22 A	nalyzed: 02/02/22
Benzene	4.44	0.0250	5.00	ND	88.9	54-133			
Ethylbenzene	4.51	0.0250	5.00	ND	90.2	61-133			
Toluene	4.62	0.0250	5.00	ND	92.4	61-130			
o-Xylene	4.60	0.0250	5.00	ND	92.1	63-131			
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: l	E201143-(	03	Prepared: 0	2/01/22 A	nalyzed: 02/02/22
Benzene	4.45	0.0250	5.00	ND	89.1	54-133	0.228	20	
	4.52	0.0250	5.00	ND	90.3	61-133	0.104	20	
Ethylbenzene	4.32								
Ethylbenzene Toluene	4.63		5.00	ND	92.5	61-130	0.177	20	
•		0.0250 0.0250	5.00 5.00	ND ND	92.5 92.3	61-130 63-131	0.177 0.214	20 20	
Toluene o-Xylene	4.63	0.0250							
Toluene	4.63 4.61	0.0250 0.0250	5.00	ND	92.3	63-131	0.214	20	



# **QC Summary Data**

		$\chi \cup \gamma$		i j Dutu					
Tap Rock 7 W. Compress Road		Project Name: Project Number:	-	ontest 211 H 0046-0001					Reported:
Artesia NM, 88210		Project Manager:	N	atalie Gladden					2/7/2022 11:49:07AM
	No	nhalogenated O	rganics	by EPA 801:	5D - G	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2206011-BLK1)							Prepared: 02	2/01/22 A	nalyzed: 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	2/01/22 A	nalyzed: 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: E	201143-	03	Prepared: 02	2/01/22 A	nalyzed: 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: E	201143-	03	Prepared: 02	2/01/22 A	nalyzed: 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**

		$\mathbf{v} \in \mathcal{S}$		ing Data	•				
Tap Rock 7 W. Compress Road Artesia NM, 88210		Project Name: Project Number: Project Manager:	20	ontest 211 H 0046-0001 atalie Gladden					<b>Reported:</b> 2/7/2022 11:49:07AM
	Nonh	alogenated Orga		EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2206027-BLK1)							Prepared: 0	2/02/22 A	Analyzed: 02/02/22
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND ND	25.0 50.0							
Surrogate: n-Nonane	42.6		50.0		85.1	50-200			
LCS (2206027-BS1)							Prepared: 0	2/02/22 A	Analyzed: 02/02/22
Diesel Range Organics (C10-C28)	485	25.0	500		97.0	38-132			
Surrogate: n-Nonane	43.7		50.0		87.4	50-200			
Matrix Spike (2206027-MS1)				Source: <b>F</b>	202006-	03	Prepared: 0	2/02/22 A	Analyzed: 02/03/22
Diesel Range Organics (C10-C28)	531	25.0	500	ND	106	38-132			
Surrogate: n-Nonane	40.8		50.0		81.6	50-200			
Matrix Spike Dup (2206027-MSD1)				Source: <b>F</b>	202006-	03	Prepared: 0	2/02/22 A	Analyzed: 02/03/22
Diesel Range Organics (C10-C28)	513	25.0	500	ND	103	38-132	3.37	20	
Surrogate: n-Nonane	45.7		50.0		91.3	50-200			



## **QC Summary Data**

		$\mathbf{x} \in \mathbf{z}$		ary Date					
Tap Rock 7 W. Compress Road Artesia NM, 88210		Project Name: Project Number: Project Manager:	2	Contest 211 H 20046-0001 Natalie Gladder	l				<b>Reported:</b> 2/7/2022 11:49:07AM
		Anions	by EPA	300.0/9056A	1				Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2206008-BLK1)							Prepared: 0	2/01/22 A	nalyzed: 02/01/22
Chloride LCS (2206008-BS1)	ND	20.0					Prepared: 0	2/01/22 A	nalyzed: 02/01/22
Chloride	244	20.0	250	G	97.7	90-110	D 10	2/01/22	1 1 02/01/22
Matrix Spike (2206008-MS1)					E201096-(		Prepared: 0	2/01/22 A	nalyzed: 02/01/22
Chloride	385	20.0	250	160	90.0	80-120			
Matrix Spike Dup (2206008-MSD1)				Source:	E201096-0	)1	Prepared: 0	2/01/22 A	nalyzed: 02/01/22
Chloride	413	20.0	250	160	101	80-120	7.03	20	

QC Summary Report Comment:

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



# **Definitions and Notes**

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

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Project Information

Released to Imaging: 3/21/2023 10:35:27 AM

Received by OCD: 3/14/2023 8:36:39 AM

piect: CONTEST ZIA	TAPROCK. Bill TO CONTEST 2114 Attention: ESS				Lab Use Only				TAT			EPA Program			
		•	Laby	NO#	1.1	2	Job			1D	2D	3D	Standard	CWA	SDW
pject Manager:	Address: - J21/W COMMY		Ea	10	14			_	6-000				$\times$		
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nail:	Email: In The Goldon		801	3015				-			4N			State	
port due by:			DRO/ORO by 8015	GRO/DRO by 8015	021	260	10	Chloride 300.0					NM CO	UT AZ	TX
Time		Lab	ORC	DRC	BTEX by 8021	VOC by 8260	Metals 6010	de			86000		+		
Impled Date Sampled Matrix Containers Sample ID		Number	DRO/	SRO/	TEX	OC1	Aeta	hlor			36			Remarks	
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ield sampler), attest to the validity and authenticity of this sample. I am a	ware that tampering with or intentionally mislabelling th	e sample lo	cation			-	Samoles	requir	ing thermal or	ranati		harasa	ived on ice the day th		
ield sampler), attest to the validity and authenticity of this sample. I am a e or time of collection is considered fraud and may be grounds for legal ac	tion. Sampled by: MALC RIV	AA I	No	2	~		packed i	in ice a	t an avg temp :	bove 0	but less	than 6 "	C on subsequent day	s.	d or receiv
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linquished/by: (Signature)/ Date Time	Received by Signature	Date /	Т	Time	-		neec	, veu	on ice.	0					3. 11
July 1:27.22 18	30 Cutter Chro	128/2	2	13	10	2	T1			T2			Т3		10.0.7
linguished by: (Signature) Date Time	Received by: (Signature)	Date	T	lime											
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nple Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		Container	Type:	g - gl	ass, p	- 00	lv/pla	stic	ag - ambe	glass	. v - V	OA			-
te: Samples are discarded 30 days after results are reported unles	s other arrangements are made. Hazardous samp	les will be	return	ed to	client	or di	sonser	t of at	the client	expens	e. Th	e repo	ort for the analys	is of the ab	ove
nples is applicable only to those samples received by the laborato	ry with this COC. The liability of the laboratory is lir	mited to th	ne amou	unt pa	aid for	on th	ne rep	ort.							

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#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

	Tap Rock	Date Received:	01/28/22 1	.3:10	Work Order ID:	E201143
Phone:	(575) 390-6397	Date Logged In:	01/28/22 (	09:18	Logged In By:	Caitlin Christian
Email:		Due Date:	02/03/22	17:00 (4 day TAT)		
Chain o	f Custody (COC)					
1. Does	the sample ID match the COC?		Yes			
2. Does	the number of samples per sampling site location match	h the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Carrier		
4. Was t	he COC complete, i.e., signatures, dates/times, requested	ed analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in t i.e, 15 minute hold time, are not included in this disucssion		Yes		Commen	ts/Resolution
<u>Sample</u>	<u>Turn Around Time (TAT)</u>					
6. Did tl	ne COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	<u>Cooler</u>					
7. Was a	a sample cooler received?		Yes			
8. If yes	, was cooler received in good condition?		Yes			
9. Was t	he sample(s) received intact, i.e., not broken?		Yes			
10. Wer	e custody/security seals present?		No			
11. If ye	s, were custody/security seals intact?		NA			
12. Was 1	the sample received on ice? If yes, the recorded temp is 4°C, i. Note: Thermal preservation is not required, if samples are n		Yes			
12 If no	minutes of sampling ovisible ice, record the temperature. Actual sample to	maratura: 1º	C			
		emperature. <u>4</u>	<u>c</u>			
Sample						
	<u>Container</u>		NI-			
14. Are	aqueous VOC samples present?		No Na			
14. Are 15. Are	aqueous VOC samples present? VOC samples collected in VOA Vials?		NA			
14. Are 15. Are 16. Is th	aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)?		NA NA			
<ol> <li>14. Are</li> <li>15. Are</li> <li>16. Is th</li> <li>17. Was</li> </ol>	aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses?		NA NA NA			
<ol> <li>14. Are</li> <li>15. Are</li> <li>16. Is th</li> <li>17. Was</li> <li>18. Are</li> </ol>	aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers?	rs collected?	NA NA NA Yes			
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<ol> <li>Are</li> <li>Are</li> <li>Is the</li> <li>Is the</li> <li>Is the</li> <li>Field L:</li> <li>Were</li> <li>Were</li> <li>Were</li> <li>Doe:</li> <li>Are</li> <li>Is ha</li> <li>Multiph</li> <li>Doe:</li> </ol>	aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containe <b>abel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were pre- sample(s) correctly preserved? b filteration required and/or requested for dissolved me <b>mase Sample Matrix</b>	mation: served? tals? ?	NA NA Yes Yes Yes Yes No NA No			
<ul> <li>14. Are</li> <li>15. Are</li> <li>16. Is th</li> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> <li>20. Were</li> <li>21. Doc:</li> <li>22. Are</li> <li>24. Is la</li> <li>Multiph</li> <li>26. Doce</li> <li>27. If ye</li> </ul>	aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containe <b>abel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <b>Preservation</b> s the COC or field labels indicate the samples were pre- sample(s) correctly preserved? b filteration required and/or requested for dissolved me <b>mase Sample Matrix</b> s the sample have more than one phase, i.e., multiphase	mation: served? tals? ?	NA NA Yes Yes Yes Yes No NA No			
<ul> <li>14. Are</li> <li>15. Are</li> <li>15. Are</li> <li>16. Is th</li> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> <li>20. Were</li> <li>21. Doe:</li> <li>22. Are</li> <li>24. Is la</li> <li>Multiph</li> <li>26. Doe:</li> <li>27. If yee</li> <li>Subcomments</li> </ul>	aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containe <b>abel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <b>Preservation</b> s the COC or field labels indicate the samples were pre- sample(s) correctly preserved? b filteration required and/or requested for dissolved me <b>tase Sample Matrix</b> s the sample have more than one phase, i.e., multiphase is, does the COC specify which phase(s) is to be analyze	mation: served? tals? ?? ;?	NA NA Yes Yes Yes Yes No NA No			

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



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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,



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

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

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

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

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

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services Office: 505-421-LABS(5227)

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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#### Sample Summary

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



	0	ampic D	ala			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name Project Numł Project Mana	ber: 2004	test 211 H 46-0001 1lie Gladden			<b>Reported:</b> 3/4/2022 1:51:32PM
		SP 5 - 3'				
		E203019-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2210041
Benzene	ND	0.0250	1	03/03/22	03/03/22	
Ethylbenzene	ND	0.0250	1	03/03/22	03/03/22	
Toluene	ND	0.0250	1	03/03/22	03/03/22	
p-Xylene	ND	0.0250	1	03/03/22	03/03/22	
o,m-Xylene	ND	0.0500	1	03/03/22	03/03/22	
Total Xylenes	ND	0.0250	1	03/03/22	03/03/22	
Surrogate: 4-Bromochlorobenzene-PID		84.3 %	70-130	03/03/22	03/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2210041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/22	03/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.4 %	70-130	03/03/22	03/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2210048
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/22	03/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/22	03/03/22	
Surrogate: n-Nonane		85.6 %	50-200	03/03/22	03/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2210042
Chloride	330	20.0	1	03/03/22	03/04/22	

# Sample Data



#### Sample Data

	3	ample D	ลเล			
Tap Rock	Project Name	: Con	test 211 H			
7 W. Compress Road	Project Numb	er: 2004	46-0001			Reported:
Artesia NM, 88210	Project Manag	ger: Nata	lie Gladden			3/4/2022 1:51:32PM
		SP 8 - 3'				
		E203019-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: 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	
p-Xylene	ND	0.0250	1	03/03/22	03/03/22	
o,m-Xylene	ND	0.0500	1	03/03/22	03/03/22	
Fotal Xylenes	ND	0.0250	1	03/03/22	03/03/22	
Surrogate: 4-Bromochlorobenzene-PID		91.3 %	70-130	03/03/22	03/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: IY		Batch: 2210041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/22	03/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.4 %	70-130	03/03/22	03/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: JL		Batch: 2210048
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/22	03/03/22	
Dil Range Organics (C28-C36)	ND	50.0	1	03/03/22	03/03/22	
Surrogate: n-Nonane		86.7 %	50-200	03/03/22	03/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: RAS		Batch: 2210042
Chloride	499	20.0	1	03/03/22	03/03/22	



#### Sample Data

	5	ampie D	ala			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name Project Numb Project Manaş	er: 2004	test 211 H 46-0001 alie Gladden			<b>Reported:</b> 3/4/2022 1:51:32PM
		SP 10 - 3'				
		E203019-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2210041
Benzene	ND	0.0250	1	03/03/22	03/03/22	
thylbenzene	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	
o,m-Xylene	ND	0.0500	1	03/03/22	03/03/22	
Total Xylenes	ND	0.0250	1	03/03/22	03/03/22	
Surrogate: 4-Bromochlorobenzene-PID		86.2 %	70-130	03/03/22	03/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2210041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/22	03/03/22	
urrogate: 1-Chloro-4-fluorobenzene-FID		97.6 %	70-130	03/03/22	03/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2210048
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/22	03/03/22	
Dil Range Organics (C28-C36)	ND	50.0	1	03/03/22	03/03/22	
Surrogate: n-Nonane		89.6 %	50-200	03/03/22	03/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2210042
Chloride	358	20.0	1	03/03/22	03/03/22	


#### Sample Data

	5	ample D	ala			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manag	er: 2004	test 211 H 46-0001 Ilie Gladden			<b>Reported:</b> 3/4/2022 1:51:32PM
		SP 11 - 5'				
		E203019-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: 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	
o,m-Xylene	ND	0.0500	1	03/03/22	03/03/22	
Fotal Xylenes	ND	0.0250	1	03/03/22	03/03/22	
Surrogate: 4-Bromochlorobenzene-PID		86.7 %	70-130	03/03/22	03/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: IY		Batch: 2210041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/22	03/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.6 %	70-130	03/03/22	03/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	/st: JL		Batch: 2210048
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/22	03/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/22	03/03/22	
Surrogate: n-Nonane		97.2 %	50-200	03/03/22	03/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: RAS		Batch: 2210042
Chloride	544	20.0	1	03/03/22	03/03/22	



#### Sample Data

	50	ample D	ala			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manag	er: 2004	test 211 H 46-0001 Ilie Gladden			<b>Reported:</b> 3/4/2022 1:51:32PM
		SP 15 - 3'				
		E203019-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
p-Xylene	ND	0.0250	1	03/03/22	03/03/22	
o,m-Xylene	ND	0.0500	1	03/03/22	03/03/22	
Total Xylenes	ND	0.0250	1	03/03/22	03/03/22	
Surrogate: 4-Bromochlorobenzene-PID		94.0 %	70-130	03/03/22	03/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2210041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/22	03/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.0 %	70-130	03/03/22	03/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2210048
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/22	03/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/22	03/03/22	
Surrogate: n-Nonane		98.9 %	50-200	03/03/22	03/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: RAS		Batch: 2210042
Chloride	466	20.0	1	03/03/22	03/03/22	



#### Sample Data

	b	ampic D	ala			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name Project Numl Project Mana	ber: 2004	test 211 H 46-0001 alie Gladden			<b>Reported:</b> 3/4/2022 1:51:32PM
		SP 17 - 9'				
		E203019-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2210041
Benzene	ND	0.0250	1	03/03/22	03/03/22	
thylbenzene	ND	0.0250	1	03/03/22	03/03/22	
oluene	ND	0.0250	1	03/03/22	03/03/22	
-Xylene	ND	0.0250	1	03/03/22	03/03/22	
,m-Xylene	ND	0.0500	1	03/03/22	03/03/22	
otal Xylenes	ND	0.0250	1	03/03/22	03/03/22	
urrogate: 4-Bromochlorobenzene-PID		92.2 %	70-130	03/03/22	03/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2210041
asoline Range Organics (C6-C10)	ND	20.0	1	03/03/22	03/03/22	
urrogate: 1-Chloro-4-fluorobenzene-FID		93.5 %	70-130	03/03/22	03/03/22	
onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	ıt: JL		Batch: 2210048
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/22	03/03/22	
Dil Range Organics (C28-C36)	ND	50.0	1	03/03/22	03/03/22	
'urrogate: n-Nonane		110 %	50-200	03/03/22	03/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2210042
Chloride	383	20.0	1	03/03/22	03/04/22	



#### Sample Data

	0	ample D	ala			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name Project Numb Project Manag	er: 2004	test 211 H 46-0001 ilie Gladden			<b>Reported:</b> 3/4/2022 1:51:32PM
		SP 9 - 3'				
		E203019-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2210041
Benzene	ND	0.0250	1	03/03/22	03/03/22	
Ethylbenzene	ND	0.0250	1	03/03/22	03/03/22	
Toluene	ND	0.0250	1	03/03/22	03/03/22	
o-Xylene	ND	0.0250	1	03/03/22	03/03/22	
o,m-Xylene	ND	0.0500	1	03/03/22	03/03/22	
Total Xylenes	ND	0.0250	1	03/03/22	03/03/22	
Surrogate: 4-Bromochlorobenzene-PID		86.0 %	70-130	03/03/22	03/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2210041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/22	03/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.8 %	70-130	03/03/22	03/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2210048
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/22	03/03/22	
Dil Range Organics (C28-C36)	ND	50.0	1	03/03/22	03/03/22	
Surrogate: n-Nonane		108 %	50-200	03/03/22	03/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2210042
Chloride	406	20.0	1	03/03/22	03/04/22	



## QC Summary Data

		QU DI		ing Dut					
Tap Rock 7 W. Compress Road		Project Name: Project Number:		ontest 211 H )046-0001					Reported:
Artesia NM, 88210		Project Manager:		atalie Gladder	1				3/4/2022 1:51:32PM
		Volatile O	rganics <b>k</b>	oy EPA 802	1 <b>B</b>				Analyst: IY
Analyte	<b>D</b>	Reporting Limit	Spike	Source Result		Rec Limits	RPD	RPD Limit	
	Result mg/kg	mg/kg	Level mg/kg	mg/kg	Rec %	%	%	%	Notes
Blank (2210041-BLK1)							Prepared: 0	3/03/22 A	nalyzed: 03/03/22
Benzene	ND	0.0250					1		•
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	0.0250	8.00		93.1	70-130			
LCS (2210041-BS1)							Prepared: 0	3/03/22 A	nalyzed: 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: 0	3/03/22 A	analyzed: 03/03/22
Benzene	4.88	0.0250	5.00	ND	97.6	54-133			
Ethylbenzene	5.16	0.0250	5.00	ND	103	61-133			
Toluene	5.39	0.0250	5.00	ND	108	61-130			
o-Xylene	5.11	0.0250	5.00	ND	102	63-131			
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131			
Total Xylenes	15.6	0.0250	15.0	ND	104	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.4	70-130			
Matrix Spike Dup (2210041-MSD1)				Source:	E203019-	01	Prepared: 0	3/03/22 A	analyzed: 03/03/22
Benzene	5.02	0.0250	5.00	ND	100	54-133	2.91	20	
Ethylbenzene	5.31	0.0250	5.00	ND	106	61-133	2.76	20	
Toluene	5.54	0.0250	5.00	ND	111	61-130	2.67	20	
o-Xylene	5.27	0.0250	5.00	ND	105	63-131	2.97	20	
p,m-Xylene	10.7	0.0500	10.0	ND	107	63-131	2.63	20	
17 5									
Total Xylenes	16.0	0.0250	15.0	ND	107	63-131	2.74	20	



## **QC Summary Data**

		QU N		il y Data					
Tap Rock 7 W. Compress Road Artesia NM, 88210		Project Name: Project Number: Project Manager:	2	ontest 211 H 0046-0001 atalie Gladden					<b>Reported:</b> 3/4/2022 1:51:32PM
	No	nhalogenated (	Organics	by EPA 801	5D - Gl	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
			g.ng	g.ing	70	70	70	70	Hotes
Blank (2210041-BLK1)							Prepared: 0	3/03/22 A	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: 0	3/03/22 A	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: E	203019-	01	Prepared: 02	3/03/22 A	nalyzed: 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: E	203019-	01	Prepared: 0.	3/03/22 A	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**

		$\mathbf{v} \in \mathcal{S}$		ing Data	•				
Tap Rock 7 W. Compress Road		Project Name: Project Number:		ontest 211 H 0046-0001					Reported:
Artesia NM, 88210		Project Manager:	Ν	atalie Gladden					3/4/2022 1:51:32PM
	Nonh	alogenated Org	anics by	EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2210048-BLK1)							Prepared: 0	3/03/22 A	analyzed: 03/03/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	58.2		50.0		116	50-200			
LCS (2210048-BS1)							Prepared: 0	3/03/22 A	analyzed: 03/03/22
Diesel Range Organics (C10-C28)	482	25.0	500		96.4	38-132			
Surrogate: n-Nonane	49.7		50.0		99.4	50-200			
Matrix Spike (2210048-MS1)				Source: I	E203018-	02	Prepared: 0	3/03/22 A	analyzed: 03/03/22
Diesel Range Organics (C10-C28)	488	25.0	500	ND	97.5	38-132			
Surrogate: n-Nonane	53.7		50.0		107	50-200			
Matrix Spike Dup (2210048-MSD1)				Source: I	E203018-	02	Prepared: 0	3/03/22 A	analyzed: 03/03/22
Diesel Range Organics (C10-C28)	502	25.0	500	ND	100	38-132	2.89	20	
Surrogate: n-Nonane	56.8		50.0		114	50-200			



### **QC Summary Data**

			••••••						
Tap Rock 7 W. Compress Road Artesia NM, 88210		Project Name: Project Number: Project Manager:	2	Contest 211 H 20046-0001 Vatalie Gladden	L				<b>Reported:</b> 3/4/2022 1:51:32PM
		Anions	by EPA	300.0/9056A	<b>\</b>				Analyst: RAS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2210042-BLK1)							Prepared: 0	3/03/22 A	nalyzed: 03/04/22
Chloride LCS (2210042-BS1)	ND	20.0					Prepared: 0	3/03/22 A	nalyzed: 03/04/22
Chloride	247	20.0	250		98.8	90-110			
Matrix Spike (2210042-MS1)				Source:	E203012-0	01	Prepared: 0	3/03/22 A	nalyzed: 03/04/22
Chloride	296	20.0	250	40.4	102	80-120			
Matrix Spike Dup (2210042-MSD1)				Source:	E203012-0	01	Prepared: 0	3/03/22 A	nalyzed: 03/04/22
Chloride	301	20.0	250	40.4	104	80-120	1.87	20	

QC Summary Report Comment:

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



## **Definitions and Notes**

ſ	Tap Rock	Project Name:	Contest 211 H	
	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** 

Released to Imaging: 3/21/2023 10:35:27 AM

10

Received by OCD: 3/14/2023 8:36:39 AM

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e or time of collection is considered fraud and may be grounds for legal acti	10		114	"C	/		packed	in ice at an	avg temp a	bove 0 bu	t less than	6 °C on subsequent da	ys,	
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	neceived by (signature)	Juic		Time		÷.,			. 11			- 1 -	1 7 22	Sty Fe
nple Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		Cantalana	Turner					Temp		_			n	20.00
te: Samples are discarded 30 days after results are reported unless	ther arrangements are made	Container	roture	B-B	ass,	p - pc	ny/pla	stic, ag	- ambei	glass,	V-VOA			-
mples is applicable only to those samples received by the laboratory	with this COC. The liability of the laboratory is I	imited to th	ie amo	ount n	aid for	r on t	he ren	ort	e client i	expense	The re	port for the analy	sis of the ab	oove

#### **Envirotech Analytical Laboratory**

#### Sample Receipt Checklist (SRC)

Client:	Tap Rock Da	ate Received:	03/03/22	13:10	Work Order ID:	E203019
Phone:	(575) 390-6397 Da	ate Logged In:	03/02/22	15:55	Logged In By:	Caitlin Christian
Email:		ue Date:	03/03/22	17:00 (0 day TAT)		
Chain of	f Custody (COC)					
1. Does t	the sample ID match the COC?		Yes			
2. Does t	the number of samples per sampling site location match	the COC	Yes			
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: UPS		
4. Was th	ne COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes			
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Commen	ts/Resolution
Sample '	<u>Turn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (	<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
12. Was th	he sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re- minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sample ter	nperature: 4°	с			
	Container	·				
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
17. Was :	a trip blank (TB) included for VOC analyses?		NA			
18. Are r	non-VOC samples collected in the correct containers?		Yes			
19. Is the	appropriate volume/weight or number of sample containers	s collected?	Yes			
Field La	bel					
20. Were	field sample labels filled out with the minimum inform	ation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name? Preservation		No			
	the COC or field labels indicate the samples were prese	erved?	No			
	sample(s) correctly preserved?		NA			
	o filteration required and/or requested for dissolved meta	als?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multiphase?		No			
	s, does the COC specify which phase(s) is to be analyzed		NA			
•	ract Laboratory		1 12 1			
	samples required to get sent to a subcontract laboratory?		No			
	a subcontract laboratory specified by the client and if so		NA	Subcontract Lab: na		

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



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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: Cont

Contest 211H Frak Line

Work Order: E206156

Job Number: 20046-0001

Received: 6/22/2022

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 6/23/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 6/23/22

Natalie Gladden 7 W. Compress Road Artesia, NM 88210

Project Name: Contest 211H Frak Line Workorder: E206156 Date Received: 6/22/2022 10:15:00AM

Natalie Gladden,

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

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

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

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

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

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

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Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com



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#### Sample Summary

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



			utu			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name Project Num Project Mana	ber: 2004	test 211H Frak Lii 46-0001 Ilie Gladden	ne		<b>Reported:</b> 6/23/2022 5:45:19PM
		SP 7 B - 5'				
		E206156-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: 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	
o,m-Xylene	ND	0.0500	1	06/22/22	06/22/22	
Fotal Xylenes	ND	0.0250	1	06/22/22	06/22/22	
Surrogate: 4-Bromochlorobenzene-PID		84.1 %	70-130	06/22/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: RKS		Batch: 2226061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/22/22	06/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.9 %	70-130	06/22/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: AK		Batch: 2226058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/22	06/22/22	
Dil Range Organics (C28-C36)	ND	50.0	1	06/22/22	06/22/22	
Surrogate: n-Nonane		103 %	50-200	06/22/22	06/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: KL		Batch: 2226063
Chloride	8400	400	20	06/22/22	06/23/22	

## Sample Data



#### Sample Data

	50	imple D	ala			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manag	r: 2004	test 211H Frak Lir 46-0001 ılie Gladden	ne		<b>Reported:</b> 6/23/2022 5:45:19PM
	S	SP 7 B - 10'				
	]	E206156-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
p-Xylene	ND	0.0250	1	06/22/22	06/22/22	
o,m-Xylene	ND	0.0500	1	06/22/22	06/22/22	
Total Xylenes	ND	0.0250	1	06/22/22	06/22/22	
Surrogate: 4-Bromochlorobenzene-PID		85.2 %	70-130	06/22/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	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		87.0 %	70-130	06/22/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		114 %	50-200	06/22/22	06/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: KL		Batch: 2226063
Chloride	8370	400	20	06/22/22	06/23/22	



#### Sample Data

	5	ample D	ala			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbo Project Manag	er: 2004	test 211H Frak Lii 46-0001 ilie Gladden	ne		<b>Reported:</b> 6/23/2022 5:45:19PM
	\$	SP 7 B - 15'				
		E206156-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
o,m-Xylene	ND	0.0500	1	06/22/22	06/22/22	
Fotal Xylenes	ND	0.0250	1	06/22/22	06/22/22	
Surrogate: 4-Bromochlorobenzene-PID		85.2 %	70-130	06/22/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	: AK		Batch: 2226058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/22	06/22/22	
Dil Range Organics (C28-C36)	ND	50.0	1	06/22/22	06/22/22	
Surrogate: n-Nonane		103 %	50-200	06/22/22	06/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: KL		Batch: 2226063
Chloride	371	40.0	2	06/22/22	06/23/22	



#### Sample Data

	0	ample D	ala			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name Project Numb Project Manaş	er: 2004	test 211H Frak Lin 46-0001 alie Gladden	ne		<b>Reported:</b> 6/23/2022 5:45:19PM
		SP 14 B - 5'				
		E206156-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	: 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	
Foluene	ND	0.0250	1	06/22/22	06/22/22	
p-Xylene	ND	0.0250	1	06/22/22	06/22/22	
o,m-Xylene	ND	0.0500	1	06/22/22	06/22/22	
Fotal Xylenes	ND	0.0250	1	06/22/22	06/22/22	
Surrogate: 4-Bromochlorobenzene-PID		84.4 %	70-130	06/22/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: RKS		Batch: 2226061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/22/22	06/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.3 %	70-130	06/22/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	:: AK		Batch: 2226058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/22	06/23/22	
Dil Range Organics (C28-C36)	ND	50.0	1	06/22/22	06/23/22	
Surrogate: n-Nonane		103 %	50-200	06/22/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: KL		Batch: 2226063
Chloride	4860	400	20	06/22/22	06/23/22	
monde	1000	100				



#### Sample Data

	5	ampic D	ala			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name Project Numb Project Mana	ber: 2004	test 211H Frak Lii 46-0001 alie Gladden	ne		<b>Reported:</b> 6/23/2022 5:45:19PM
	\$	SP 14 B - 10'				
		E206156-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	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	
p-Xylene	ND	0.0250	1	06/22/22	06/22/22	
o,m-Xylene	ND	0.0500	1	06/22/22	06/22/22	
Total Xylenes	ND	0.0250	1	06/22/22	06/22/22	
Surrogate: 4-Bromochlorobenzene-PID		84.6 %	70-130	06/22/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: RKS		Batch: 2226061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/22/22	06/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.4 %	70-130	06/22/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	:: AK		Batch: 2226058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/22	06/23/22	
Surrogate: n-Nonane		97.2 %	50-200	06/22/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: KL		Batch: 2226063
Chloride	3530	40.0	2	06/22/22	06/23/22	



#### Sample Data

	Di	ample D	ata			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manag	er: 2004	test 211H Frak Liz 46-0001 Ilie Gladden	ne		<b>Reported:</b> 6/23/2022 5:45:19PM
	S	SP 14 B - 15'				
		E206156-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: 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	
p-Xylene	ND	0.0250	1	06/22/22	06/22/22	
p,m-Xylene	ND	0.0500	1	06/22/22	06/22/22	
Fotal Xylenes	ND	0.0250	1	06/22/22	06/22/22	
Surrogate: 4-Bromochlorobenzene-PID		84.9 %	70-130	06/22/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: RKS		Batch: 2226061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/22/22	06/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.3 %	70-130	06/22/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	:: AK		Batch: 2226058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/22	06/23/22	
Dil Range Organics (C28-C36)	ND	50.0	1	06/22/22	06/23/22	
Surrogate: n-Nonane		97.5 %	50-200	06/22/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: KL		Batch: 2226063
Chloride	1390	40.0	2	06/22/22	06/23/22	



#### Sample Data

	5	ampie D	ala			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name Project Numb Project Manaş	er: 2004	test 211H Frak Li 46-0001 ılie Gladden	ne		<b>Reported:</b> 6/23/2022 5:45:19PM
		SP 16 B - 5'				
		E206156-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
-Xylene	ND	0.0250	1	06/22/22	06/23/22	
o,m-Xylene	ND	0.0500	1	06/22/22	06/23/22	
Total Xylenes	ND	0.0250	1	06/22/22	06/23/22	
urrogate: 4-Bromochlorobenzene-PID		89.0 %	70-130	06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2226061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/22/22	06/23/22	
urrogate: 1-Chloro-4-fluorobenzene-FID		86.1 %	70-130	06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: AK		Batch: 2226058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/22	06/23/22	
Dil Range Organics (C28-C36)	ND	50.0	1	06/22/22	06/23/22	
urrogate: n-Nonane		92.6 %	50-200	06/22/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: KL		Batch: 2226063
Chloride	3840	40.0	2	06/22/22	06/23/22	



#### Sample Data

	5	ampic D	ala			
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name Project Numb Project Manaş	per: 2004	test 211H Frak Lir 46-0001 ılie Gladden	ne		<b>Reported:</b> 6/23/2022 5:45:19PM
		SP 17 B - 5'				
		E206156-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst		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	
-Xylene	ND	0.0250	1	06/22/22	06/23/22	
o,m-Xylene	ND	0.0500	1	06/22/22	06/23/22	
Total Xylenes	ND	0.0250	1	06/22/22	06/23/22	
urrogate: 4-Bromochlorobenzene-PID		87.2 %	70-130	06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	: RKS		Batch: 2226061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/22/22	06/23/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.6 %	70-130	06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	: AK		Batch: 2226058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/22	06/23/22	
Dil Range Organics (C28-C36)	ND	50.0	1	06/22/22	06/23/22	
Surrogate: n-Nonane		111 %	50-200	06/22/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: KL		Batch: 2226063
Chloride	9070	400	20	06/22/22	06/23/22	



## **QC Summary Data**

Tap Rock 7 W. Compress Road Artesia NM, 88210		Project Name: Project Number: Project Manager:	20	ontest 211H Fi 0046-0001 atalie Gladden					<b>Reported:</b> 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		
	6 6	6.6	6 6	6 6	,,,						
3lank (2226061-BLK1)							Prepared: 0	6/22/22 F	Analyzed: 06/23/22		
Benzene	ND	0.0250									
Ethylbenzene	ND	0.0250									
Toluene	ND	0.0250									
-Xylene	ND	0.0250									
,m-Xylene	ND	0.0500									
Total Xylenes	ND	0.0250									
Surrogate: 4-Bromochlorobenzene-PID	7.24		8.00		90.5	70-130					
LCS (2226061-BS1)							Prepared: 0	6/22/22 A	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					
-Xylene	4.95	0.0250	5.00		99.0	70-130					
,m-Xylene	9.82	0.0500	10.0		98.2	70-130					
Total Xylenes	14.8	0.0250	15.0		98.5	70-130					
Surrogate: 4-Bromochlorobenzene-PID	7.41		8.00		92.6	70-130					
LCS Dup (2226061-BSD1)							Prepared: 0	6/22/22 A	Analyzed: 06/23/22		
	5.37	0.0250	5.00		107	70-130	2.00	20			
Benzene			5.00		97.5	70-130	2.16	20			
Benzene Ethylbenzene	4.87	0.0250	5.00								
	4.87 5.17	0.0250 0.0250	5.00		103	70-130	2.09	20			
thylbenzene					103 101	70-130 70-130	2.09 2.13	20 20			
Cthylbenzene Coluene	5.17	0.0250	5.00								



## **QC Summary Data**

Tap Rock		Project Name:	C	Contest 211H F	rak Line				Reported:
7 W. Compress Road		Project Number	: 2	0046-0001					
Artesia NM, 88210		Project Manage	r: N	Vatalie Gladder	1				6/23/2022 5:45:19PM
	No	onhalogenated	Organics	by EPA 80	15D - G	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2226061-BLK1)							Prepared: 0	6/22/22 A	analyzed: 06/23/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.11		8.00		88.8	70-130			
LCS (2226061-BS2)							Prepared: 0	6/22/22 A	analyzed: 06/23/22
Gasoline Range Organics (C6-C10)	46.4	20.0	50.0		92.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.18		8.00		89.8	70-130			
LCS Dup (2226061-BSD2)							Prepared: 0	6/22/22 A	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**

		QU D	ummi	ary Data					
Tap Rock 7 W. Compress Road		Project Name: Project Number:		Contest 211H Fi 20046-0001	rak Line				Reported:
Artesia NM, 88210		Project Manager:	N	Natalie Gladden	l				6/23/2022 5:45:19PM
	Nonha	logenated Org	anics by	y EPA 8015E	) - DRO	/ORO			Analyst: AK
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2226058-BLK1)							Prepared: 0	6/22/22 A	Analyzed: 06/22/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	72.0		50.0		144	50-200			
LCS (2226058-BS1)							Prepared: 0	6/22/22 A	Analyzed: 06/22/22
Diesel Range Organics (C10-C28)	557	25.0	500		111	38-132			
Surrogate: n-Nonane	52.8		50.0		106	50-200			
Matrix Spike (2226058-MS1)				Source:	E206156-	01	Prepared: 0	6/22/22 A	Analyzed: 06/22/22
Diesel Range Organics (C10-C28)	527	25.0	500	ND	105	38-132			
Surrogate: n-Nonane	49.3		50.0		98.6	50-200			
Matrix Spike Dup (2226058-MSD1)				Source:	E206156-	01	Prepared: 0	6/22/22 A	Analyzed: 06/22/22
Diesel Range Organics (C10-C28)	548	25.0	500	ND	110	38-132	3.93	20	
Surrogate: n-Nonane	54.2		50.0		108	50-200			



### **QC Summary Data**

			•	····· J — ····					
Tap Rock 7 W. Compress Road Artesia NM, 88210		Project Name: Project Number: Project Manager:	2	Contest 211H F 20046-0001 Natalie Gladder					<b>Reported:</b> 6/23/2022 5:45:19PM
Artesia (100, 00210		, ,		<b>300.0/9056</b>					Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2226063-BLK1)							Prepared: 0	6/22/22	Analyzed: 06/22/22
Chloride	ND	20.0							
LCS (2226063-BS1)							Prepared: 0	6/22/22	Analyzed: 06/22/22
Chloride	250	20.0	250		99.9	90-110			
Matrix Spike (2226063-MS1)				Source:	E206155-0	)1	Prepared: 0	6/22/22	Analyzed: 06/22/22
Chloride	248	20.0	250	ND	99.3	80-120			
Matrix Spike Dup (2226063-MSD1)				Source:	E206155-0	)1	Prepared: 0	6/22/22	Analyzed: 06/22/22
Chloride	246	20.0	250	ND	98.5	80-120	0.776	20	

QC Summary Report Comment:

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



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

- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



roject	Information
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1

Received by OCD: 3/14/2023 8:36:39 AM

roject Ir	nformatio	n			·				Chai	n of Custod	y												Page <u>1</u>	of <u>1</u>
	Contes Manager:	Rock T 211	¥ FRA	ik line		Attentior Address;	n: <u>6</u> 2724	Bill T SS W (G	To Dunty M M.M. SS	29	Lab E ć					Num HG	ber -0001		2D X	T/ 3D	AT St	andard	EPA P CWA	Program SDWA
City, Stat Phone: Email: Report d	te, Zip lue by:	· · · · · · · · · · · · · · · · · · ·				Phone:	575	-) 390	-639) 6(400		DRO/ORO by 8015	GRO/DRO by 8015	8021				nd Metho	MN	Ĕ				State UT AZ	RCRA TX
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID						Lab Number	DRO/OI	GRO/Df	ВТЕХ by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC				Remarks	
77 A M	6/20/2	<u>S</u>	1		<u>78-</u> 7 <u>8-</u>					2									1					
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	pler), attest to		and authent	icity of this san nay be ground:	nple. I am awa	re that tam	pering with	h or intenti	ionally mislabe	lling the sample	locatic	20			Samples	s requir	ing thermal p	reservat	tion mus	st be rec	eived o	in ice the day t	hey are sample	ed or receive
Relinquishe	ed by Signa	iture)	Date	120/22		Beren	popy: (Si	Signature	Ren	Date Date	2	Time /-( Time	( <sup>1</sup> )	5			on ice:	la		e Onl		uosequent day	·s.	
Relinquish	ed by: (Signa	ature)	Date		Time		ved by: (Sig	ignature)	tu	Date	22	107 Time	15		<u> </u>			<u>T2</u>			_ :	<u>T3</u>		
Note: Samp	ples are disca	arded 30 d	ays after re	queous, O - Ot sults are repo	orted unless o	other arrar	ngements a	are made	2. Hazardou	Container s samples will	he rote	urned	to alia	o - po	ly/pla	stic,		r glas	is, v - ' ense.	VOA The re	eport	for the ana	lysis of the a	above
501111105151		iny to those	e samples n	sceived by th	elaboratory		. <u>UC. Ine I</u>	ability of	the laborator	ry is limited to	the an	mount	paid f	or on	the re	eport.							0	

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Client:	Tap Rock D	Date Received:	06/22/22 10	:15	Work Order	ID: E206156	
Phone:	(575) 390-6397 E	Date Logged In:	06/22/22 08	:32	Logged In 1	By: Caitlin Christian	L
Email:		Due Date:	06/23/22 17	:00 (1 day TAT)		•	
Chain of	f Custody (COC)						
1. Does t	the sample ID match the COC?		Yes				
	the number of samples per sampling site location match	the COC	Yes				
3. Were a	samples dropped off by client or carrier?		Yes	Carrier: U	IPS		
4. Was th	ne COC complete, i.e., signatures, dates/times, requeste	d analyses?	No	-			
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.		Yes		Con	ments/Resolution	
Sample '	<u>Turn Around Time (TAT)</u>						
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes		Time sampled and	project manager	not
Sample	<u>Cooler</u>				provided on COC.		
7. Was a	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was tł	ne sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes	s, were custody/security seals intact?		NA				
12. Was ti	he sample received on ice? If yes, the recorded temp is 4°C, i.e Note: Thermal preservation is not required, if samples are re- minutes of sampling		Yes				
13. If no	visible ice, record the temperature. Actual sample te	mperature: <u>4°</u>	<u>C</u>				
Sample	<u>Container</u>						
14. Are a	aqueous VOC samples present?		No				
15. Are V	VOC samples collected in VOA Vials?		NA				
16. Is the	e 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 1	non-VOC samples collected in the correct containers?		Yes				
19. Is the	appropriate volume/weight or number of sample container	s collected?	Yes				
<u>Field La</u>	bel						
20. Were	e field sample labels filled out with the minimum inform	nation:					
	Sample ID?		Yes				
	Date/Time Collected? Collectors name?		No	•			
			No				
	Preservation	erved?	No				
	sample(s) correctly preserved?		NA				
	o filteration required and/or requested for dissolved met	als?	No				
			110				
	<u>ase Sample Matrix</u> the sample have more than one phase, i.e., multiphase	0	N				
	s, does the COC specify which phase(s) is to be analyze		No				
•		547	NA				
	ract Laboratory_	n	NT-				
	samples required to get sent to a subcontract laboratory'		No NA S	who on two - + T 1			
29. was	a subcontract laboratory specified by the client and if se	u who?	NA S	Subcontract Lab	: na		

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



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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: Cont

Contest 211H Frak Line

Work Order: E206157

Job Number: 20046-0001

Received: 6/22/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/24/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 6/24/22

Natalie Gladden 7 W. Compress Road Artesia, NM 88210

Project Name: Contest 211H Frak Line Workorder: E206157 Date Received: 6/22/2022 10:15:00AM

Natalie Gladden,

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

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

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

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

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

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services

Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com



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#### **Sample Summary**

		Sample Sum					
Tap Rock 7 W. Compress Road Artesia NM, 88210		Project Name: Project Number: Project Manager:	Contest 211H Frak 20046-0001 Natalie Gladden	Line	<b>Reported:</b> 06/24/22 17:16		
lient Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container		
2 2 B - 5'	E206157-01A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.		
P 2 B - 10'	E206157-02A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.		
° 3 B - 5'	E206157-03A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.		
P 3 B - 10'	E206157-04A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.		
P 3 B - 15'	E206157-05A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.		
P 4 B - 5'	E206157-06A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.		
P 4 B - 10'	E206157-07A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.		
P 4 B - 15'	E206157-08A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.		
P 4 B - 20'	E206157-09A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.		
P6B-5'	E206157-10A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.		
P 6 B - 10'	E206157-11A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.		
P 6 B - 15'	E206157-12A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.		
P 6 B - 20'	E206157-13A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.		
P 12 B -5'	E206157-14A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.		
P 12 B - 10'	E206157-15A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.		
P 12 B - 15'	E206157-16A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.		
P 12 B - 18'	E206157-17A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.		
P 13 B - 5'	E206157-18A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.		
P 13 B - 10'	E206157-19A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.		
P 13 B - 18'	E206157-20A	Soil	06/17/22	06/22/22	Glass Jar, 4 oz.		



		ampic D						
Tap Rock 7 W. Compress Road	Project Name: Project Numbe		test 211H F 46-0001	rak Line	1		Reported:	
Artesia NM, 88210	Project Manag	ger: Nata	ılie Gladder	1			6/24/2022 5:16:04PM	
		SP 2 B - 5'						
		E206157-01						
		Reporting						
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: ]	IY		Batch: 2226062	
Benzene	ND	0.0250	1	l	06/22/22	06/23/22		
Ethylbenzene	ND	0.0250	1	l	06/22/22	06/23/22		
Toluene	ND	0.0250	1	l	06/22/22	06/23/22		
p-Xylene	ND	0.0250	1	l	06/22/22	06/23/22		
p,m-Xylene	ND	0.0500	1	l	06/22/22	06/23/22		
Total Xylenes	ND	0.0250	1	l	06/22/22	06/23/22		
Surrogate: Bromofluorobenzene		96.2 %	70-130		06/22/22	06/23/22		
Surrogate: 1,2-Dichloroethane-d4		107 %	70-130		06/22/22	06/23/22		
Surrogate: Toluene-d8		94.6 %	70-130		06/22/22	06/23/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: ]	IY		Batch: 2226062	
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	06/22/22	06/23/22		
Surrogate: Bromofluorobenzene		96.2 %	70-130		06/22/22	06/23/22		
Surrogate: 1,2-Dichloroethane-d4		107 %	70-130		06/22/22	06/23/22		
Surrogate: Toluene-d8		94.6 %	70-130		06/22/22	06/23/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: ]	KL		Batch: 2226057	
Diesel Range Organics (C10-C28)	ND	25.0	1		06/22/22	06/22/22		
Oil Range Organics (C28-C36)	ND	50.0	1	l	06/22/22	06/22/22		
Surrogate: n-Nonane		114 %	50-200		06/22/22	06/22/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: ]	KL		Batch: 2226064	
Chloride	ND	20.0	1		06/22/22	06/23/22		

## Sample Data


## **Sample Data**

		ampie D					
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manag	er: 2004	test 211H I 46-0001 Ilie Gladde		e		<b>Reported:</b> 6/24/2022 5:16:04PM
	1	SP 2 B - 10'					
		E206157-02					
Auchen	Result	Reporting Limit	D'I	ution	Prepared	Analyzed	Notes
Analyte	Kesuit	Limit	DII	ution	Frepared	Anaryzeu	INOLES
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:			Batch: 2226062
Benzene	ND	0.0250		1	06/22/22	06/23/22	
Ethylbenzene	ND	0.0250		1	06/22/22	06/23/22	
Toluene	ND	0.0250		1	06/22/22	06/23/22	
p-Xylene	ND	0.0250		1	06/22/22	06/23/22	
o,m-Xylene	ND	0.0500		1	06/22/22	06/23/22	
Total Xylenes	ND	0.0250		1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		93.6 %	70-130		06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		06/22/22	06/23/22	
Surrogate: Toluene-d8		95.9 %	70-130		06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2226062
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		93.6 %	70-130		06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		06/22/22	06/23/22	
Surrogate: Toluene-d8		95.9 %	70-130		06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KL		Batch: 2226057
Diesel Range Organics (C10-C28)	ND	25.0		1	06/22/22	06/22/22	
Oil Range Organics (C28-C36)	ND	50.0		1	06/22/22	06/22/22	
Surrogate: n-Nonane		101 %	50-200		06/22/22	06/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2226064
Chloride	156	20.0		1	06/22/22	06/23/22	



## **Sample Data**

	50	ample D	ala				
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manag	er: 2004	test 211H 46-0001 Ilie Gladde		e		<b>Reported:</b> 6/24/2022 5:16:04PM
		SP 3 B - 5'					
		E206157-03					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2226062
Benzene	ND	0.0250		1	06/22/22	06/23/22	
Ethylbenzene	ND	0.0250		1	06/22/22	06/23/22	
Toluene	ND	0.0250		1	06/22/22	06/23/22	
o-Xylene	ND	0.0250		1	06/22/22	06/23/22	
,m-Xylene	ND	0.0500		1	06/22/22	06/23/22	
Fotal Xylenes	ND	0.0250		1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		96.8 %	70-130		06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		108 %	70-130		06/22/22	06/23/22	
Surrogate: Toluene-d8		94.7 %	70-130		06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2226062
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		96.8 %	70-130		06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		108 %	70-130		06/22/22	06/23/22	
Surrogate: Toluene-d8		94.7 %	70-130		06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KL		Batch: 2226057
Diesel Range Organics (C10-C28)	ND	25.0		1	06/22/22	06/22/22	
Dil Range Organics (C28-C36)	ND	50.0		1	06/22/22	06/22/22	
Surrogate: n-Nonane		106 %	50-200		06/22/22	06/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: KL		Batch: 2226064
Chloride	ND	20.0		1	06/22/22	06/23/22	



## Sample Data

	50	imple D	ata				
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manage	r: 2004	test 211H   46-0001 Ilie Gladde		e		<b>Reported:</b> 6/24/2022 5:16:04PM
	S	SP 3 B - 10'					
	]	E206157-04					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2226062
Benzene	ND	0.0250		1	06/22/22	06/23/22	
Ethylbenzene	ND	0.0250		1	06/22/22	06/23/22	
Toluene	ND	0.0250		1	06/22/22	06/23/22	
p-Xylene	ND	0.0250		1	06/22/22	06/23/22	
o,m-Xylene	ND	0.0500		1	06/22/22	06/23/22	
Fotal Xylenes	ND	0.0250		1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		96.8 %	70-130		06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		107 %	70-130		06/22/22	06/23/22	
Surrogate: Toluene-d8		94.9 %	70-130		06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KL		Batch: 2226057
Diesel Range Organics (C10-C28)	ND	25.0		1	06/22/22	06/23/22	
Dil Range Organics (C28-C36)	ND	50.0		1	06/22/22	06/23/22	
Surrogate: n-Nonane		106 %	50-200		06/22/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: KL		Batch: 2226064
Chloride	990	400		20	06/22/22	06/23/22	



## Sample Data

		ample D				
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manag	er: 2004	test 211H Fral 46-0001 Ilie Gladden	c Line		<b>Reported:</b> 6/24/2022 5:16:04PM
	S	SP 3 B - 15'				
	-	E206157-05				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	An	alyst: IY		Batch: 2226062
Benzene	ND	0.0250	1	06/22/22	06/23/22	
Ethylbenzene	ND	0.0250	1	06/22/22	06/23/22	
Toluene	ND	0.0250	1	06/22/22	06/23/22	
p-Xylene	ND	0.0250	1	06/22/22	06/23/22	
o,m-Xylene	ND	0.0500	1	06/22/22	06/23/22	
Total Xylenes	ND	0.0250	1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		94.2 %	70-130	06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	06/22/22	06/23/22	
Surrogate: Toluene-d8		94.7 %	70-130	06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2226062
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		94.2 %	70-130	06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	06/22/22	06/23/22	
Surrogate: Toluene-d8		94.7 %	70-130	06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KL		Batch: 2226057
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/22	06/23/22	
Dil Range Organics (C28-C36)	ND	50.0	1	06/22/22	06/23/22	
Surrogate: n-Nonane		132 %	50-200	06/22/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2226064
Chloride	8310	400	20	06/22/22	06/23/22	



## Sample Data

		ampic D					
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manag	er: 2004	test 211H Fr 46-0001 alie Gladden				<b>Reported:</b> 6/24/2022 5:16:04PM
		SP 4 B - 5'					
		E206157-06					
Analyte	Result	Reporting Limit	Dilu	tion	Prepared	Analyzad	Notes
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Inotes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: I	Y		Batch: 2226062
Benzene	ND	0.0250	1		06/22/22	06/23/22	
Ethylbenzene	ND	0.0250	1		06/22/22	06/23/22	
Toluene	ND	0.0250	1		06/22/22	06/23/22	
p-Xylene	ND	0.0250	1		06/22/22	06/23/22	
p,m-Xylene	ND	0.0500	1		06/22/22	06/23/22	
Total Xylenes	ND	0.0250	1		06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		94.6 %	70-130		06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		06/22/22	06/23/22	
Surrogate: Toluene-d8		95.2 %	70-130		06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: I	Y		Batch: 2226062
Gasoline Range Organics (C6-C10)	ND	20.0	1		06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		94.6 %	70-130		06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		06/22/22	06/23/22	
Surrogate: Toluene-d8		95.2 %	70-130		06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: F	(L		Batch: 2226064
Chloride	7970	400	20	0	06/22/22	06/23/22	



## Sample Data

		imple D					
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manag	r: 2004	test 211H F 46-0001 Ilie Gladder				<b>Reported:</b> 6/24/2022 5:16:04PM
	S	SP 4 B - 10'					
	]	E206157-07					
	D I	Reporting	53		<b>D</b>		
Analyte	Result	Limit	Dili	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: 1	IY		Batch: 2226062
Benzene	ND	0.0250		1	06/22/22	06/23/22	
Ethylbenzene	ND	0.0250		1	06/22/22	06/23/22	
Toluene	ND	0.0250		1	06/22/22	06/23/22	
p-Xylene	ND	0.0250		1	06/22/22	06/23/22	
p,m-Xylene	ND	0.0500		1	06/22/22	06/23/22	
Total Xylenes	ND	0.0250		1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		94.4 %	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2226062
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: ]	KL		Batch: 2226057
Diesel Range Organics (C10-C28)	ND	25.0		1	06/22/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0		1	06/22/22	06/23/22	
Surrogate: n-Nonane		131 %	50-200		06/22/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: ]	KL		Batch: 2226064
Chloride	7380	400	2	0	06/22/22	06/24/22	



## Sample Data

		ampic D					
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manag	er: 2004	test 211H F1 46-0001 Ilie Gladden				<b>Reported:</b> 6/24/2022 5:16:04PM
	S	SP 4 B - 15'					
		E206157-08					
Analyte	Result	Reporting Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	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	
Foluene	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	
Fotal 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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY	r		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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KL			Batch: 2226057	
Diesel Range Organics (C10-C28)	ND	25.0	1		06/22/22	06/23/22	
Dil 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: K	L		Batch: 2226064
Chloride	7320	400	20	)	06/22/22	06/24/22	



## Sample Data

		ampic D				
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name Project Numb Project Manaş	er: 2004	test 211H Fr 46-0001 alie Gladden	ak Line		<b>Reported:</b> 6/24/2022 5:16:04PM
		SP 4 B - 20'				
		E206157-09				
Analyte	Result	Reporting Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	nalyst: IY		Batch: 2226062
Benzene	ND	0.0250	1	06/22/22	06/23/22	
Ethylbenzene	ND	0.0250	1	06/22/22	06/23/22	
Toluene	ND	0.0250	1	06/22/22	06/23/22	
p-Xylene	ND	0.0250	1	06/22/22	06/23/22	
p,m-Xylene	ND	0.0500	1	06/22/22	06/23/22	
Total Xylenes	ND	0.0250	1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		95.7 %	70-130	06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	06/22/22	06/23/22	
Surrogate: Toluene-d8		96.1 %	70-130	06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	nalyst: IY		Batch: 2226062
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		95.7 %	70-130	06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	06/22/22	06/23/22	
Surrogate: Toluene-d8		96.1 %	70-130	06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: KL		Batch: 2226057
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/22	06/23/22	
Surrogate: n-Nonane		123 %	50-200	06/22/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: KL		Batch: 2226064
Chloride	3330	400	20	06/22/22	06/24/22	



## **Sample Data**

	5	ample D	ala				
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manag	er: 2004	test 211H 46-0001 Ilie Gladdo		e		<b>Reported:</b> 6/24/2022 5:16:04PM
		SP 6 B - 5'					
		E206157-10					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2226062
Benzene	ND	0.0250		1	06/22/22	06/23/22	
Ethylbenzene	ND	0.0250		1	06/22/22	06/23/22	
Toluene	ND	0.0250		1	06/22/22	06/23/22	
p-Xylene	ND	0.0250		1	06/22/22	06/23/22	
o,m-Xylene	ND	0.0500		1	06/22/22	06/23/22	
Total Xylenes	ND	0.0250		1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		94.0 %	70-130		06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130		06/22/22	06/23/22	
Surrogate: Toluene-d8		94.3 %	70-130		06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KL		Batch: 2226057
Diesel Range Organics (C10-C28)	ND	25.0		1	06/22/22	06/23/22	
Dil Range Organics (C28-C36)	ND	50.0		1	06/22/22	06/23/22	
Surrogate: n-Nonane		98.5 %	50-200		06/22/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: KL		Batch: 2226064
Chloride	7230	400		20	06/22/22	06/24/22	



## Sample Data

		ampic D					
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name Project Numb Project Manaş	er: 2004	test 211H F 46-0001 Ilie Gladder				<b>Reported:</b> 6/24/2022 5:16:04PM
		SP 6 B - 10'					
		E206157-11					
Analyte	Result	Reporting Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: ]	IY		Batch: 2226062
Benzene	ND	0.0250	1		06/22/22	06/23/22	
Ethylbenzene	ND	0.0250	1		06/22/22	06/23/22	
Toluene	ND	0.0250	1		06/22/22	06/23/22	
p-Xylene	ND	0.0250	1		06/22/22	06/23/22	
o,m-Xylene	ND	0.0500	1		06/22/22	06/23/22	
Total Xylenes	ND	0.0250	1		06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		95.1 %	70-130		06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		06/22/22	06/23/22	
Surrogate: Toluene-d8		94.9 %	70-130		06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	-	Analyst: ]	KL		Batch: 2226057
Diesel Range Organics (C10-C28)	ND	25.0	1		06/22/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1		06/22/22	06/23/22	
Surrogate: n-Nonane		107 %	50-200		06/22/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: ]	KL		Batch: 2226064
Chloride	7510	400	2	0	06/22/22	06/24/22	



## Sample Data

	~	ampic D				
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manag	er: 2004	test 211H Frak 46-0001 ılie Gladden	Line		<b>Reported:</b> 6/24/2022 5:16:04PM
	\$	SP 6 B - 15'				
		E206157-12				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ana	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	
p-Xylene	ND	0.0250	1	06/22/22	06/23/22	
o,m-Xylene	ND	0.0500	1	06/22/22	06/23/22	
Total Xylenes	ND	0.0250	1	06/22/22	06/23/22	
Surrogate: 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		95.2 %	70-130	06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: 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		95.2 %	70-130	06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KL			Batch: 2226057
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/22	06/23/22	
Surrogate: n-Nonane		103 %	50-200	06/22/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	llyst: KL		Batch: 2226064
Chloride	7030	400	20	06/22/22	06/24/22	



## Sample Data

		imple D					
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manag	r: 2004	test 211H F 46-0001 Ilie Gladder				<b>Reported:</b> 6/24/2022 5:16:04PM
	S	SP 6 B - 20'					
	]	E206157-13					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY			Batch: 2226062
Benzene	ND	0.0250	1	L I	06/22/22	06/23/22	
Ethylbenzene	ND	0.0250	1	l i	06/22/22	06/23/22	
Toluene	ND	0.0250	1	L I	06/22/22	06/23/22	
p-Xylene	ND	0.0250	1	L I	06/22/22	06/23/22	
o,m-Xylene	ND	0.0500	1	L I	06/22/22	06/23/22	
Total Xylenes	ND	0.0250	1		06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		95.9 %	70-130		06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		06/22/22	06/23/22	
Surrogate: Toluene-d8		95.5 %	70-130		06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2226062
Gasoline Range Organics (C6-C10)	ND	20.0	1	l i	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		95.9 %	70-130	1	06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		06/22/22	06/23/22	
Surrogate: Toluene-d8		95.5 %	70-130		06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KL			Batch: 2226057
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/22/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	l	06/22/22	06/23/22	
Surrogate: n-Nonane		105 %	50-200		06/22/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL			Batch: 2226064
Chloride	1410	400	20	0	06/22/22	06/24/22	



## Sample Data

	~	ampic D				
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numb Project Manag	er: 2004	test 211H Fr 46-0001 alie Gladden			<b>Reported:</b> 6/24/2022 5:16:04PM
Antosia (1997, 00210						0.2.1.2022 511010 1111
		SP 12 B -5'				
		E206157-14				
		Reporting				
Analyte	Result	Limit	Dilut	ion Prepar	ed Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2226062
Benzene	ND	0.0250	1	06/22/	22 06/23/22	
Ethylbenzene	ND	0.0250	1	06/22/	22 06/23/22	
Toluene	ND	0.0250	1	06/22/	22 06/23/22	
o-Xylene	ND	0.0250	1	06/22/	22 06/23/22	
p,m-Xylene	ND	0.0500	1	06/22/		
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/.	06/23/22	
Surrogate: Toluene-d8		94.5 %	70-130	06/22/	22 06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KL		Batch: 2226057
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/	22 06/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/	22 06/23/22	
Surrogate: n-Nonane		94.2 %	50-200	06/22/.	22 06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL		Batch: 2226064
Chloride	8480	400	20	06/22/	22 06/24/22	



## Sample Data

	~	ampic D				
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numb Project Manag	er: 2004	test 211H Frak 46-0001 Ilie Gladden	z Line		<b>Reported:</b> 6/24/2022 5:16:04PM
	S	SP 12 B - 10'				
		E206157-15				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	Drganic Compounds by EPA 8260B mg/kg mg/kg Analyst: IY					Batch: 2226062
Benzene	ND	0.0250	1	06/22/22	06/23/22	
Ethylbenzene	ND	0.0250	1	06/22/22	06/23/22	
Toluene	ND	0.0250	1	06/22/22	06/23/22	
p-Xylene	ND	0.0250	1	06/22/22	06/23/22	
o,m-Xylene	ND	0.0500	1	06/22/22	06/23/22	
Total Xylenes	ND	0.0250	1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		95.4 %	70-130	06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	06/22/22	06/23/22	
Surrogate: Toluene-d8		94.2 %	70-130	06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2226062
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		95.4 %	70-130	06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	06/22/22	06/23/22	
Surrogate: Toluene-d8		94.2 %	70-130	06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KL		Batch: 2226057
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/22/22	06/23/22	
Surrogate: n-Nonane		106 %	50-200	06/22/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2226064
Chloride	7010	400	20	06/22/22	06/24/22	



## Sample Data

		impic D					
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manag	er: 2004	test 211H F 46-0001 Ilie Gladde		;		<b>Reported:</b> 6/24/2022 5:16:04PM
	S	SP 12 B - 15'					
	-	E206157-16					
Analyte	Result	Reporting Limit	Dilu	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2226062
Benzene	ND	0.0250		1	06/22/22	06/23/22	
Ethylbenzene	ND	0.0250		1	06/22/22	06/23/22	
Toluene	ND	0.0250		1	06/22/22	06/23/22	
p-Xylene	ND	0.0250		1	06/22/22	06/23/22	
o,m-Xylene	ND	0.0500		1	06/22/22	06/23/22	
Fotal 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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2226062
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		94.9 %	70-130		06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		06/22/22	06/23/22	
Surrogate: Toluene-d8		95.3 %	70-130		06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KL		Batch: 2226057
Diesel Range Organics (C10-C28)	ND	25.0		1	06/22/22	06/23/22	
Dil 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2226064
Chloride	1720	100		5	06/22/22	06/24/22	



## Sample Data

	~	ampic D					
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numb Project Manag	er: 2004	test 211H F 46-0001 Ilie Gladder		8		<b>Reported:</b> 6/24/2022 5:16:04PM
	S	SP 12 B - 18'					
		E206157-17					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	tile Organic Compounds by EPA 8260B mg/kg mg/kg Analyst: IY				IY		Batch: 2226062
Benzene	ND	0.0250		1	06/22/22	06/23/22	
Ethylbenzene	ND	0.0250		1	06/22/22	06/23/22	
Toluene	ND	0.0250		1	06/22/22	06/23/22	
p-Xylene	ND	0.0250		1	06/22/22	06/23/22	
o,m-Xylene	ND	0.0500		1	06/22/22	06/23/22	
Total Xylenes	ND	0.0250		1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		93.6 %	70-130		06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		06/22/22	06/23/22	
Surrogate: Toluene-d8		95.4 %	70-130		06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst:		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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	5D - DRO/ORO 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2226064
Chloride	774	20.0		1	06/22/22	06/24/22	



## Sample Data

	~	ampic D				
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numb Project Manag	er: 2004	test 211H Fra 46-0001 Ilie Gladden	ak Line		<b>Reported:</b> 6/24/2022 5:16:04PM
		SP 13 B - 5'				
		E206157-18				
Analyte	Result	Reporting Limit	Diluti	on Prepared	Analyzed	Notes
•		A		7 mary 200		
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY		0.6/00/00	Batch: 2226062
Benzene	ND	0.0250	1	06/22/22	06/23/22	
Ethylbenzene	ND	0.0250	1	06/22/22	06/23/22	
Foluene	ND	0.0250	1	06/22/22 06/22/22	06/23/22 06/23/22	
p-Xylene	ND ND	0.0250 0.0500	1	06/22/22	06/23/22	
p,m-Xylene Total Xylenes	ND	0.0300	1	06/22/22	06/23/22	
	ND					
Surrogate: Bromofluorobenzene		93.0 %	70-130	06/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	06/22/22	06/23/22	
Surrogate: Toluene-d8		95.2 %	70-130	06/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	nalyst: 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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	RO mg/kg mg/k		А	nalyst: KL		Batch: 2226057
Diesel Range Organics (C10-C28)	ND	25.0	1	06/22/22	06/23/22	
Dil 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	nalyst: KL		Batch: 2226064
Chloride	6720	200	10	06/22/22	06/24/22	



## Sample Data

		impic D					
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manag	er: 2004	test 211H I 46-0001 Ilie Gladde		e		<b>Reported:</b> 6/24/2022 5:16:04PM
	S	P 13 B - 10'					
	-	E206157-19					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2226062
Benzene	ND	0.0250		1	06/22/22	06/23/22	
Ethylbenzene	ND	0.0250		1	06/22/22	06/23/22	
Toluene	ND	0.0250		1	06/22/22	06/23/22	
p-Xylene	ND	0.0250		1	06/22/22	06/23/22	
p,m-Xylene	ND	0.0500		1	06/22/22	06/23/22	
Total Xylenes	ND	0.0250		1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2226062
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/22/22	06/23/22	
Surrogate: Bromofluorobenzene		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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KL		Batch: 2226057
Diesel Range Organics (C10-C28)	ND	25.0		1	06/22/22	06/23/22	
Dil 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2226064
Chloride	20.0	20.0		1	06/22/22	06/24/22	



## Sample Data

		ampic D					
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name:Contest 211H Frak LineProject Number:20046-0001Project Manager:Natalie Gladden						<b>Reported:</b> 6/24/2022 5:16:04PM
	S	SP 13 B - 18'					
		E206157-20					
		Reporting					
Analyte	Result	Limit	Dilut	tion P	repared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: IY			Batch: 2226062
Benzene	ND	0.0250	1	0	6/22/22	06/23/22	
Ethylbenzene	ND	0.0250	1	0	6/22/22	06/23/22	
Toluene	ND	0.0250	1	0	6/22/22	06/23/22	
p-Xylene	ND	0.0250	1	0	6/22/22	06/23/22	
p,m-Xylene	ND	0.0500	1		6/22/22	06/23/22	
Total Xylenes	ND	0.0250	1	0	6/22/22	06/23/22	
Surrogate: Bromofluorobenzene		93.4 %	70-130	0	6/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	0	6/22/22	06/23/22	
Surrogate: Toluene-d8		95.4 %	70-130	0	6/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: IY			Batch: 2226062
Gasoline Range Organics (C6-C10)	ND	20.0	1	0	6/22/22	06/23/22	
Surrogate: Bromofluorobenzene		93.4 %	70-130	0	6/22/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	0	6/22/22	06/23/22	
Surrogate: Toluene-d8		95.4 %	70-130	0	6/22/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg mg/kg Ai		Analyst: KL			Batch: 2226057
Diesel Range Organics (C10-C28)	ND	25.0	1	0	6/22/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	0	6/22/22	06/23/22	
Surrogate: n-Nonane		109 %	50-200	0	6/22/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	I	Analyst: KL			Batch: 2226064
Chloride	803	20.0	1	0	6/22/22	06/24/22	



## **QC Summary Data**

				II y Data					
Tap Rock		Project Name:		ontest 211H Fi	rak Line				Reported:
7 W. Compress Road		Project Number:		0046-0001					
Artesia NM, 88210		Project Manager	: N	atalie Gladden	l				6/24/2022 5:16:04PM
	V	olatile Organi	c Compo	unds by EP	PA 8260E	6			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2226062-BLK1)							Prepared: 0	5/22/22 A	nalyzed: 06/23/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Fotal Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.473		0.500		94.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130			
Surrogate: Toluene-d8	0.473		0.500		94.5	70-130			
LCS (2226062-BS1)							Prepared: 0	5/22/22 A	nalyzed: 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			
o,m-Xylene	4.69	0.0500	5.00		93.8	70-130			
Total Xylenes	7.06	0.0250	7.50		94.1	70-130			
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			
Surrogate: Toluene-d8	0.500		0.500		99.9	70-130			
LCS Dup (2226062-BSD1)							Prepared: 0	5/22/22 A	nalyzed: 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	
p-Xylene	2.42	0.0250	2.50		96.6	70-130	2.07	27	
o,m-Xylene	4.78	0.0500	5.00		95.6	70-130	1.94	27	
Fotal 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			



## **QC Summary Data**

		QC D	umm	ary Data	a				
Tap Rock 7 W. Compress Road Artesia NM, 88210		Project Name: Project Number: Project Manager	2	Contest 211H F 20046-0001 Natalie Gladder					<b>Reported:</b> 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
	шуку	ing kg	ing kg	nig kg	70	70	70	70	Notes
Blank (2226062-BLK1)							Prepared: 0	6/22/22 A	nalyzed: 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: 0	6/22/22 A	nalyzed: 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: 0	6/22/22 A	nalyzed: 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**

		QU D		ary Data					
Tap Rock 7 W. Compress Road		Project Name: Project Number:		Contest 211H Fi 20046-0001	rak Line				Reported:
Artesia NM, 88210		Project Manager:	Ν	Vatalie Gladden	L				6/24/2022 5:16:04PM
	Nonh	alogenated Org	anics by	EPA 8015E	) - DRO	/ORO			Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2226057-BLK1)							Prepared: 0	6/22/22 A	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: 0	6/22/22 A	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: 0	6/22/22 A	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: 0	6/22/22 A	Analyzed: 06/22/22
Diesel Range Organics (C10-C28)	565	25.0	500	ND	113	38-132	4.21	20	
Surrogate: n-Nonane	37.2		50.0		74.5	50-200			



## **QC Summary Data**

			•	J						
Tap Rock 7 W. Compress Road		Project Name: Project Number:		Contest 211H F 20046-0001	rak Line				Reported:	
Artesia NM, 88210		Project Manager	: 1	Natalie Gladder	ı				6/24/2022 5:16:04PM	
		Anions	by EPA	300.0/9056A	4				Analyst: KL	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2226064-BLK1)				Prepared: 00				6/22/22 Analyzed: 06/23/22		
Chloride	ND	20.0								
LCS (2226064-BS1)							Prepared: 0	6/22/22	Analyzed: 06/23/22	
Chloride	264	20.0	250		106	90-110				
Matrix Spike (2226064-MS1)				Source:	E206157-	01	Prepared: 0	6/22/22	Analyzed: 06/23/22	
Chloride	268	20.0	250	ND	107	80-120				
Matrix Spike Dup (2226064-MSD1)				Source:	E206157-	01	Prepared: 0	6/22/22	Analyzed: 06/23/22	
Chloride	266	20.0	250	ND	107	80-120	0.744	20		

QC Summary Report Comment:

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



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.



Referoject	Information
2	

lient: TAPROCK roject: CONTEST 2//// Fank UNE roject Manager:	Bill To															of
roject: CONTEST 2//H Frank UNS			γ <u> </u>		10	hlle	e On	<u>.</u>		.,≉`` T		та	т	,	EPA Pr	ogram
roject Manager	Attention:		Lah	NO#				lumbo	er	1D	2D			ndard	CWA	SDWA
oleet manager.	Attention: 255 Address: 2724 W County	RØ	Lab V E	er 0	15	71	AN	40	10001		X	3D				
ddress:	City, State, Zip HOBBS NM 88	240					Analy	sis and	Metho	d						RCRA
ity, State, Zip	Phone: 575 390-6397												L			
hone:	Email: NATALIE SLADOB	n_	by 8015	515							1		Ļ		State	
mail: eport due by:			۹۸ ۹	۹۸۹	5	99	ទួ	00.0		Σ	Ĕ		Ľ		UT AZ	
Time Date Luck		Lab	l S	Se	by 8	by 8.	ls 60	ide					۲	<u>, I</u>		LI
Sampled Sampled Matrix No. of Containers Sample ID		Number	DRO/ORO	GRO/DRO by 8015	втех by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC				Remarks	
G/1/22 5 1 SP2.	8-5	1								K						
	8-10'	2														
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SP 48		8					•			11						
CD 44	- 70 '	9								$\parallel$						
SP 6B	- 20 - 5 <sup>-</sup>	10								$\ $	-					
dditional Instructions:										1-			L L			<u>*</u>
(field sampler), attest to the validity and authenticity of this sample. I ate or time of collection is considered fraud and may be grounds for le	am aware that tampering with or intentionally mislabellin	ng the sampl	e locatio	20-	7									n ice the day ubsequent da	they are sample	ed or receive
		VILA	1		$\leq$		раскес	i in ice at	an avg ten	-				Josequein da	ys.	
elinquished by (Signature) Date Time	Received by (Signator	5-0	¥a	)	34	5	Reco	eived	on ice:		AD U AD N	lse On N	iiy		• • • •	
ethorization of the second secon	5 (5 Received Wy (Signature)	Date	lu	Time	:15	5	<u>T1</u>		4	<u>T2</u>				<u>T3</u>		
efinquished by: (Signature) Date Time	Received by: (Signature)	Date		Time			AVG	i Temj	o°C 4	4						
ample Matrix: S - Soil, Sd - Solid, Sg - Słudge, A - Aqueous, O - Other		Containe	er Type	: g - ş	glass,	<b>p</b> - p		_		oer gla	ass, v	- VOA		<u></u>		
ote: Samples are discarded 30 days after results are reported i		samples wil	l be ret	urned	l to cli	ient o	r dispo	osed of						for the an:	alysis of the	above
amples is applicable only to those samples received by the labo	pratory with this COC. The liability of the laboratory	y is limited t	o the a	moun	nt paic	d for o	n the								e	

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roject Information	Chain o	of Custod	у											Page <u>2</u>	of
lient: TAPOLOCK	Bill To		T		La	b Üs	e Onl	lv	<b>—</b>		T	AT		EPA P	rogram
Project: CORTEST 211H FRAK LING	Attention: ESS		Lab	WO#		Ţ	Job N	Number	10	2D			andard	CWA	SDWA
roject Manager: ddress:	Address: 2-724 W. County R City, State, Zip/0865 Nr 887 Phone: 575 390-639	2	<u>مَ</u> عا	204	015			246-001		2D					
ity, State, Zip	City, State, Zipy City, State,	240		T			Analys	sis and Meth	od						RCRA
hone:			L ا											Chata	
mail:		LEN_	8015	801				0					NM CO	State	TY
eport due by:			p p	0 þý	8021	8260	010	300.0	ĮŽ	¥			X		
Time Date Matrix No. of Containers Sample ID		Lab Number	DRO/ORO	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride	BGDOC	BGDOC			<del>/  </del>	Remarks	L
6/17/22 S 1, SP6B	-10-	11							X						
/ / SP 6 B	15-	15													
SP 6.B -	20-	13													
SP12 0	8-5	14							$\parallel$						
	5-10-	15							$\parallel$						
SP12B		16													
SP /2.8-		17							4						
SP13B-		18					_		-  _	-					
SP/30		19													
dditional Instructions:	-18-	20							(						
field sampler), attest to the validity and authenticity of this sample. I a te or time of collection is considered fraud and may be grounds for leg	m aware that tampering with or intentionally mislabellin	ng the sample	locatio	00			Samples	s requiring therma	preserv	ation mu	st be rec	eived o	n ice the day ti	tev are sample	d or received
e or time of collection is considered fraud and may be grounds for leg	al action. Sampled by AMC Riv	ses 1	M	<u> </u>				in ice at an avg ter							
Inquished by Signature) Date Time	Regeined by: (Signarure)	Date			41		Recei	ived on ice:		Lab Us Y)/ N		ly _			
linguished by: (Siggature) Date Time	r Received by (Signature)	Date Lelu	22	Time	15	-	<u>T1</u>		<u>T2</u>				T3		
Induished by: (Signature) Date 100 Time	Received by: (Signature)	Date	-	Time			AVG <sup>·</sup>	Temp °C	4						
nple Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		Containe	r Type	: g - gl	ass, p	- 00	lv/pla	stic. ag - am	ber gla	- ass, v -	VOA				
te: Samples are discarded 30 days after results are reported un mples is applicable only to those samples received by the labor	nless other arrangements are made. Hazardous s	amples will	be ret	urned t	to clier	nt or (	dispos	ed of at the cli	ent ex	pense.	The r	eport	for the anal	ysis of the a	

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## **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

lient:	Tap Rock Da	ate Received:	06/22/22 10	:15	Work Order ID: E206157
Phone:	(575) 390-6397 Da	ate Logged In:	06/22/22 08	:35	Logged In By: Caitlin Christian
Email:		le Date:	06/23/22 17	:00 (1 day TAT)	
Chain o	f Custody (COC)				
	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	Carrier: U	IPS
4. Was tl	he COC complete, i.e., signatures, dates/times, requested	l analyses?	No		
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Comments/Resolution
Sample	<u>Turn Around Time (TAT)</u>				
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes		Time sampled and project manager not
Sample					provided on COC.
	sample cooler received?		Yes		
3. If yes,	, was cooler received in good condition?		Yes		
). Was tl	he sample(s) received intact, i.e., not broken?		Yes		
10. Were	e custody/security seals present?		No		
11. If ye	s, were custody/security seals intact?		NA		
12. Was t	he sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re- minutes of sampling	,	Yes		
13. If no	visible ice, record the temperature. Actual sample ter	nperature: <u>4°</u>	<u>'C</u>		
Sample	<u>Container</u>				
14. Are a	aqueous VOC samples present?		No		
15. Are '	VOC samples collected in VOA Vials?		NA		
16. Is the	e 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 1	non-VOC samples collected in the correct containers?		Yes		
19. Is the	appropriate volume/weight or number of sample containers	collected?	Yes		
Field La	<u>ıbel</u>				
	e field sample labels filled out with the minimum inform	ation:			
	Sample ID?		Yes		
	Date/Time Collected? Collectors name?		No No	-	
	Preservation		INU		
_	s the COC or field labels indicate the samples were prese	erved?	No		
	sample(s) correctly preserved?		NA		
	b filteration required and/or requested for dissolved meta	ıls?	No		
Multiph	ase Sample Matrix				
	s the sample have more than one phase, i.e., multiphase?		No		
	s, does the COC specify which phase(s) is to be analyzed		NA		
26. Does	s, does the coc speeny when phase(s) is to be analyzed				
26. Does 27. If ye	ract Laboratory				
26. Does 27. If ye <u>Subcont</u>			No		

— (

Date



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





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: E208157

Job Number: 20046-0001

Received: 8/29/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/31/22

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

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

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

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com



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#### Sample Summary

		Sample Sum	mary		
Tap Rock 7 W. Compress Road Artesia NM, 88210		Project Name: Project Number: Project Manager:	Contest 211 H 20046-0001 Natalie Gladden		<b>Reported:</b> 08/31/22 09:15
lient Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
P1 - Comp	E208157-01A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
P2 - Comp	E208157-02A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
P3 - Comp	E208157-03A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
P4 - Comp	E208157-04A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
P5 - Comp	E208157-05A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
P6 - Comp	E208157-06A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
P7 - Comp	E208157-07A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
P8 - Comp	E208157-08A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
P9 - Comp	E208157-09A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
P10 - Comp	E208157-10A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
P11 - Comp	E208157-11A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
P12 - Comp	E208157-12A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
P13 - Comp	E208157-13A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
P14 - Comp	E208157-14A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
P15 - Comp	E208157-15A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
P16 - Comp	E208157-16A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
P17 - Comp	E208157-17A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
W1 - Comp	E208157-18A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
W2 - Comp	E208157-19A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
W3 - Comp	E208157-20A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.



		impic D					
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manage	r: 2004	test 211 H 46-0001 Ilie Gladder	n			<b>Reported:</b> 8/31/2022 9:15:01AM
		P1 - Comp					
		E208157-01					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: Γ	Y		Batch: 2236009
Benzene	ND	0.0250	1	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	I	08/29/22	08/30/22	
Toluene	ND	0.0250	1	1	08/29/22	08/30/22	
p-Xylene	ND	0.0250	1	1	08/29/22	08/30/22	
o,m-Xylene	ND	0.0500	1	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: Γ	Y		Batch: 2236009
Gasoline Range Organics (C6-C10)	ND	20.0	1	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORC	mg/kg	mg/kg	mg/kg Analyst: KM			Batch: 2236004	
Diesel Range Organics (C10-C28)	ND	25.0	1	1	08/29/22	08/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	08/29/22	08/29/22	
Surrogate: n-Nonane		87.3 %	50-200		08/29/22	08/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: R	AS		Batch: 2236012
Chloride	477	20.0	1	1	08/29/22	08/30/22	

## Sample Data



## **Sample Data**

		ample D	uu				
Tap Rock	Project Name:		test 211 H				
7 W. Compress Road	Project Numbe		46-0001				Reported:
Artesia NM, 88210	Project Manag	er: Nata	Natalie Gladden				8/31/2022 9:15:01AM
	S	SP2 - Comp					
	-	E208157-02					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
p-Xylene	ND	0.0250		1	08/29/22	08/30/22	
o,m-Xylene	ND	0.0500		1	08/29/22	08/30/22	
Fotal 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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
urrogate: Toluene-d8		103 %	70-130		08/29/22	08/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	/kg Analyst: KM			Batch: 2236004	
Diesel Range Organics (C10-C28)	ND	25.0		1	08/29/22	08/29/22	
Dil 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2236012
Chloride	2990	20.0		1	08/29/22	08/30/22	



## Sample Data

	D.	ample D	uu				
Tap Rock	Project Name:		test 211 H				
7 W. Compress Road	Project Numbe		46-0001				<b>Reported:</b> 8/31/2022 9:15:01AM
Artesia NM, 88210	Project Manag	er: Nata	Natalie Gladden				8/31/2022 9:15:01AM
	8	SP3 - Comp					
		E208157-03					
		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
p-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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: RAS		Batch: 2236012
Chloride	4210	40.0		2	08/29/22	08/30/22	



## Sample Data

		ampie D	uu				
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbo Project Manag	er: 2004	test 211 H 46-0001 Ilie Gladde	en			<b>Reported:</b> 8/31/2022 9:15:01AM
	S	SP4 - Comp					
		E208157-04					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
p-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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: RAS		Batch: 2236012
Chloride	5300	40.0		2	08/29/22	08/30/22	


# Sample Data

		impic D					
Tap Rock 7 W. Compress Road	Project Name: Project Numbe		test 211 H 46-0001				Reported:
Artesia NM, 88210	Project Manage		ilie Gladde	n			8/31/2022 9:15:01AM
	S	P5 - Comp					
		E208157-05					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236012
Chloride	191	20.0		1	08/29/22	08/30/22	



## Sample Data

	D.	ample D	uu				
Tap Rock	Project Name:		test 211 H				
7 W. Compress Road	Project Numbe		6-0001				Reported:
Artesia NM, 88210	Project Manag	er: Nata	lie Gladde	en			8/31/2022 9:15:01AM
	S	SP6 - Comp					
		E208157-06					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
p-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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2236012
Chloride	3840	40.0		2	08/29/22	08/30/22	



# Sample Data

		mpic D	uu				
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manage	r: 2004	test 211 H 46-0001 Ilie Gladdo				<b>Reported:</b> 8/31/2022 9:15:01AM
	S	P7 - Comp					
	]	E208157-07					
Analyte	Result	Reporting Limit	Di	lution	Prepared	Analyzed	Notes
	mg/kg			Analyst:	*	1 11111 / 200	Batch: 2236009
Volatile Organic Compounds by EPA 8260B	ND	mg/kg 0.0250		1	08/29/22	08/30/22	Batch: 2250009
Benzene Ethylbenzene	ND	0.0250		1	08/29/22	08/30/22	
Toluene	ND	0.0250		1	08/29/22	08/30/22	
-Xylene	ND	0.0250		1	08/29/22	08/30/22	
o,m-Xylene	ND	0.0500		1	08/29/22	08/30/22	
Fotal 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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM			Batch: 2236004
Diesel Range Organics (C10-C28)	ND	25.0		1	08/29/22	08/29/22	
Dil 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236012
Chloride	5120	40.0		2	08/29/22	08/30/22	



## Sample Data

		imple D	utu				
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manag	r: 2004	test 211 H 46-0001 Ilie Gladde	en			<b>Reported:</b> 8/31/2022 9:15:01AM
	S	P8 - Comp					
	]	E208157-08					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236012
Chloride	395	20.0		1	08/29/22	08/30/22	



## **Sample Data**

	50	imple D	ala				
Tap Rock	Project Name:		test 211 H				
7 W. Compress Road	5	Project Number: 20046-0001 Project Manager: Natalie Gladden					<b>Reported:</b> 8/31/2022 9:15:01AM
Artesia NM, 88210	Project Manage	er: Nata	life Gladde	en			8/31/2022 9:15:01AM
	S	P9 - Comp					
	]	E208157-09					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
p-Xylene	ND	0.0250		1	08/29/22	08/30/22	
o,m-Xylene	ND	0.0500		1	08/29/22	08/30/22	
Fotal 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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2236004	
Diesel Range Organics (C10-C28)	ND	25.0		1	08/29/22	08/30/22	
Dil 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2236012
Chloride	62.7	20.0		1	08/29/22	08/30/22	



## Sample Data

	54	imple D	ata				
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manage	r: 2004	test 211 H 46-0001 Ilie Gladdo				<b>Reported:</b> 8/31/2022 9:15:01AM
	S	P10 - Comp					
		E208157-10					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236012
Chloride	598	20.0		1	08/29/22	08/30/22	



## Sample Data

		ample D	uta				
Tap Rock	Project Name		test 211 H				
7 W. Compress Road	Project Numb						Reported:
Artesia NM, 88210	Project Manag	ger: Nata		8/31/2022 9:15:01AM			
	5	SP11 - Comp					
		E208157-11					
		Reporting					
Analyte	Result	Limit	Dilu	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
p-Xylene	ND	0.0250		1	08/29/22	08/30/22	
o,m-Xylene	ND	0.0500		1	08/29/22	08/30/22	
Fotal 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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM			Batch: 2236004
Diesel Range Organics (C10-C28)	ND	25.0		1	08/29/22	08/30/22	
Dil 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236012
Chloride	506	20.0		1	08/29/22	08/30/22	



# Sample Data

		ampic D					
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manag	er: 2004	test 211 H 46-0001 Ilie Gladde	en			<b>Reported:</b> 8/31/2022 9:15:01AM
	S	P12 - Comp					
		E208157-12					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Foluene	ND	0.0250		1	08/29/22	08/30/22	
p-Xylene	ND	0.0250		1	08/29/22	08/30/22	
o,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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236012
Chloride	6640	40.0		2	08/29/22	08/30/22	



# Sample Data

		ampic D	uu				
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manag	er: 2004	test 211 H 46-0001 Ilie Gladde	en			<b>Reported:</b> 8/31/2022 9:15:01AM
	S	P13 - Comp					
		E208157-13					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
•			Di	Analyst:	*	1 11111 / 200	Batch: 2236009
Volatile Organic Compounds by EPA 8260B	mg/kg ND	mg/kg 0.0250		1	08/29/22	08/30/22	Batch: 2230009
Benzene Ethylbenzene	ND	0.0230		1	08/29/22	08/30/22	
Toluene	ND	0.0250		1	08/29/22	08/30/22	
p-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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236012
Chloride	1490	20.0		1	08/29/22	08/30/22	



# Sample Data

		impic D					
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manag	r: 2004	test 211 H 46-0001 Ilie Gladde	en			<b>Reported:</b> 8/31/2022 9:15:01AM
	S	P14 - Comp					
	]	E208157-14					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236012
Chloride	3120	40.0		2	08/29/22	08/30/22	



# Sample Data

		impic D					
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manag	r: 2004	test 211 H 46-0001 Ilie Gladde	n			<b>Reported:</b> 8/31/2022 9:15:01AM
	S	P15 - Comp					
	]	E208157-15					
	Dk	Reporting	D.1	<i>.</i> .			
Analyte	Result	Limit	Dili	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
p-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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236012
Chloride	459	20.0		1	08/29/22	08/30/22	



# Sample Data

		mpic D					
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manag	r: 2004	test 211 H 46-0001 Ilie Gladde	n			<b>Reported:</b> 8/31/2022 9:15:01AM
	S	P16 - Comp					
	]	E208157-16					
		Reporting					
Analyte	Result	Limit	Dilt	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
p-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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM			Batch: 2236004
Diesel Range Organics (C10-C28)	ND	25.0		1	08/29/22	08/30/22	
Dil 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236012
Chloride	1010	20.0		1	08/29/22	08/30/22	



# Sample Data

		ampie D	uu				
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manag	er: 2004	test 211 H 46-0001 Ilie Gladde				<b>Reported:</b> 8/31/2022 9:15:01AM
	S	P17 - Comp					
		E208157-17					
Analyta	Result	Reporting Limit	Dil	lution	Prepared	Analyzed	Notes
Analyte	Kesult	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:			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	
p-Xylene	ND	0.0250		1	08/29/22	08/30/22	
o,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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236012
Chloride	7380	40.0		2	08/29/22	08/30/22	



## Sample Data

	D.	ample D	ata				
Tap Rock 7 W. Compress Road	Project Name: Project Numbe		test 211 H 46-0001				Reported:
Artesia NM, 88210	Project Manag		ilie Gladde	en			8/31/2022 9:15:01AM
	S	W1 - Comp					
		E208157-18					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
p-Xylene	ND	0.0250		1	08/29/22	08/30/22	
o,m-Xylene	ND	0.0500		1	08/29/22	08/30/22	
Fotal 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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2236012
Chloride	1110	20.0		1	08/29/22	08/30/22	



# Sample Data

		impic D					
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manag	r: 2004	test 211 H 46-0001 Ilie Gladde				<b>Reported:</b> 8/31/2022 9:15:01AM
	S	W2 - Comp					
	]	E208157-19					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236012
Chloride	310	20.0		1	08/29/22	08/30/22	



# Sample Data

		imple D					
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manag	er: 2004	test 211 H 46-0001 Ilie Gladde				<b>Reported:</b> 8/31/2022 9:15:01AM
Anesia Nivi, 88210	Floject Manag	ci. India		-11			8/31/2022 9.13.01AW
	S	W3 - Comp					
	-	E208157-20					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
p-Xylene	ND	0.0250		1	08/29/22	08/30/22	
o,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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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:	Co	ontest 211 H					Reported:
7 W. Compress Road		Project Number:	20	046-0001					reporteur
Artesia NM, 88210		Project Manager:	Na	atalie Gladden					8/31/2022 9:15:01AM
	V	olatile Organic	Compou	unds by EPA	A 82601	3			Analyst: IY
Analyte		Reporting	Spike	Source		Rec		RPD	
	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2236009-BLK1)						]	Prepared: 0	8/29/22 Aı	nalyzed: 08/30/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-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: 0	8/29/22 Aı	nalyzed: 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			
Foluene	2.27	0.0250	2.50		90.9	70-130			
p-Xylene	2.14	0.0250	2.50		85.5	70-130			
o,m-Xylene	4.23	0.0500	5.00		84.5	70-130			
Fotal 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: 0	8/29/22 Aı	nalyzed: 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	
Foluene	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**

		QU D	umme	ing Date	L				
Tap Rock 7 W. Compress Road Artesia NM, 88210		Project Name: Project Number: Project Manager	20	ontest 211 H 0046-0001 atalie Gladden					<b>Reported:</b> 8/31/2022 9:15:01AM
	No	nhalogenated (				RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit %	N. /
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	70	Notes
Blank (2236009-BLK1)							Prepared: 0	8/29/22 A	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: 0	8/29/22 A	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: 0	8/29/22 A	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**

		$\mathbf{v} \in \mathcal{S}$		ing Date	•				
Tap Rock 7 W. Compress Road		Project Name: Project Number:		ontest 211 H 0046-0001					Reported:
Artesia NM, 88210		Project Manager:	Ν	atalie Gladden					8/31/2022 9:15:01AM
	Nonh	alogenated Org	anics by	EPA 8015D	- DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2236004-BLK1)							Prepared: 0	8/29/22	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: 0	8/29/22	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: l	E <b>208157</b> -1	14	Prepared: 0	8/29/22	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: l	E <b>208157</b> -	14	Prepared: 0	8/29/22	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**

		<u> </u>		v					
Tap Rock		Project Name:	С	ontest 211 H					Reported:
7 W. Compress Road		Project Number:	2	0046-0001					-
Artesia NM, 88210		Project Manager	: N	atalie Gladder	1				8/31/2022 9:15:01AM
		Anions	by EPA	300.0/90564	4				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2236012-BLK1)							Prepared: 0	8/29/22	Analyzed: 08/29/22
Chloride	ND	20.0							
LCS (2236012-BS1)							Prepared: 0	8/29/22	Analyzed: 08/29/22
Chloride	247	20.0	250		98.7	90-110			
LCS Dup (2236012-BSD1)							Prepared: 0	8/29/22	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**

ſ	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.



lient: Tour ROCIC	Bill To				La		se On			1		TA	т	EPA P	rogram
Client: TOUROCIC Project: ContBST 211 H Project Manager:	Attention: ESS		Lab	WO#	15	2	Job I	Numb	er COOL	1D		3D	Standard	CWA	SDW/
Address:	Address: 2724 NW COUNTY ROA City, State, Zip HOBBS, NM 88240		Eà	OX	12.				I Metho		Х		15		RCRA
ity, State, Zip	Phone: 575-393-9048					1				Ĩ	1				- Hera
hone:	EMAIL TO: Natalie@energystaffingllc	.com	015	015										State	Law
mail: eport due by:	Dakoatah@energystaffingllc.com		DRO/ORO by 8015	GRO/DRO by 8015	021	560	10	800.0		WN	¥		NM CO	UT AZ	TX
Time Date No of		Lab	/ORO	/DRO	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		[1] A. T. B. B.	1.20				
Sampled Sampled Matrix Containers Sample ID		Number	DRO,	GRO	BTEX	VOC	Metä	Chlo		BGDOC	BGDOC	-		Remarks	
S I SPI		1								X					
		0		1		-			-	1					
512		2		-						(					
503		3			-						1 -4				
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589		7								1					
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		6		-						11					
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51 0		0	-	-	-	-			-	1	-	-			
SP 9		9				1				11					
SPID		10				100			71-	1			1.		
dditional Instructions:		10	-		_				_				-		
1						_				_	_				
field sampler), attest to the validity and authenticity of this sample. I a te or time of collection is considered fraud and may be grounds for lega	aware that tampering with or intentionally mislabellin action. <u>Sampled by: Vameu</u>	g the sample	e locati	ion,	>		1.						eived on ice the day t °C on subsequent day		ed or receiv
elinguished by: (Signature) Date Time	Received by: (Signature)	pate ~	U	Time	21	0	-			L	ab U	se Onl	v		-
82822	100 LODVIN	XAU	2	C	5.1	1	Rec	eived	on ice:	G	DIN	1			
linguished by (Signaturie) Date-	Received by: Kignature A	Date 7/20	22	Time	0:3	30	TA			72			TO		
linguished by: (Signature) Date Time	Received by: (Signature)	Date	cc.	Time		10	<u>T1</u>			<u>T2</u>			<u></u> <u>T3</u>		
		1		1.1.1			AVG	Tem	o°c 4	1					
nple Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		Containe					oly/p	lastic, a	ag - amb						
te: Samples are discarded 30 days after results are reported ur mples is applicable only to those samples received by the labor									at the clie	ent exp	pense.	The re	eport for the ana	lysis of the	above

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Project	Information
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Project Information	Chain o	of Custody									Page	of 2 4
Client: Contest 2-11 H Project: Contest 2-11 H Project Manager: Address:	Bill To   Attention: ESS   Address: 2724 NW COUNTY ROA   City, State, Zip HOBBS, NM 88240		Lab E	wo#	1	7	se Only Job Number 2004 (0-000) Analysis and Metho	1D		AT Standard	EPA P CWA	rogram SDWA RCRA
City, State, Zip Phone: Email: Report due by:	Phone:     575-393-9048       EMAIL TO: Natalie@energystaffingllc.com       Dakoatah@energystaffingllc.com		DRO/ORO by 8015	GRO/DRO by 8015	8021			WN	¥	NM CO	State UT AZ	
Time Date	nple ID	Lab Number	DRO/OR	GRO/DR	BTEX by 8021	VOC by 8260	Metals 6010 Chloride 300.0	BGDOC	BGDOC		Remarks	
SI.	SP 11	11						X	U 10			
	SP 12	12						(				
	SP 13	13						)				
	SP 14	14						(				
	P 15	15										
	5P 16	16						1				
	SP 17	17						)		1.		
	SW1	18						1				
	1 Sw2	19						1				
	52 3	20						T		11		
Additional Instructions:	Ν							16				
(field sampler), attest to the validity and authenticity ate or time of collection is considered fraud and may	of this sample. I am aware that tampering with or intentionally mislabelling grounds for legal action.	g the sample	locatio	on,			Samples requiring thermal p packed in ice at an avg temp					ed or received
	257 Time Received by: (Signature)	Date / - J	5	Time	3- 6	20	7 Received on ice:	C	ab Use On )/ N	ly		
elinquished by: (Signature)	Time Received by: (Signature)	Date Date	220	10 Time	.3		T1	<u>T2</u>		<u>T3</u>		
mple Matrix: <b>S</b> - Soil, <b>Sd</b> - Solid, <b>Sg</b> - Sludge, <b>A</b> - Aque						p - po	AVG Temp °C oly/plastic, ag - ambe					
	are reported unless other arrangements are made. Hazardous saved by the laboratory with this COC. The liability of the laboratory					for or						

# **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Client:	Tap Rock	Date Received:	08/29/22 10	:30	Work Order I	D: E208157
Phone:	(575) 390-6397	Date Logged In:	08/29/22 08	:33	Logged In By	: Caitlin Christian
Email:		Due Date:	08/30/22 17	7:00 (1 day TAT)		
<u>Chain o</u>	f Custody (COC)					
1. Does	the sample ID match the COC?		No			
2. Does	the number of samples per sampling site location mate	h the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: <u>U</u>	IPS	
4. Was t	he COC complete, i.e., signatures, dates/times, requeste	ed analyses?	No	_		
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in t i.e, 15 minute hold time, are not included in this disucssion		Yes		<u>Comn</u>	ients/Resolution
Sample	Turn Around Time (TAT)					
-	ne COC indicate standard TAT, or Expedited TAT?		Yes		Project has been sepa	arated into 2 reports
Sample					due to amount of san	nples. Workorders are
	sample cooler received?		Yes		as follows:	•
	, was cooler received in good condition?		Yes			52 of A E200150 COC
9. Was t	he sample(s) received intact, i.e., not broken?		Yes			2 of 4, E208158 COC
	e custody/security seals present?		No		pg 3&4 of 4. Project	-
	s, were custody/security seals intact?		NA		time sampled not pro	wided on COC.
-	the sample received on ice? If yes, the recorded temp is 4°C, i. Note: Thermal preservation is not required, if samples are p minutes of sampling		Yes		Changed sample nan	nes per client.
13. If no	visible ice, record the temperature. Actual sample to	emperature: 4°	С			
	Container					
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
19. Is the	e appropriate volume/weight or number of sample containe	ers collected?	Yes			
Field La	abel					
20. Were	e field sample labels filled out with the minimum inform	mation:				
	Sample ID?		Yes			
	Date/Time Collected?		No	I		
	Collectors name? Preservation		No			
-	<u>Preservation</u> s the COC or field labels indicate the samples were pre	served?	No			
	sample(s) correctly preserved?	501 100.	NA			
	b filteration required and/or requested for dissolved me	etals?	No			
	ase Sample Matrix					
	s the sample have more than one phase, i.e., multiphase	<u>.</u> ?	No			
~v. D00	es, does the COC specify which phase(s) is to be analyzed		NO			
			INA			
27. If ye	tract Laboratory					
27. If ye <u>Subcon</u>	tract Laboratory	<sub>1</sub> 9	No			
27. If ye <u>Subcont</u> 28. Are	tract Laboratory_ samples required to get sent to a subcontract laboratory a subcontract laboratory specified by the client and if s		No NA S	Subcontract Lab	• na	



Date

envirotech Inc.

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

•

<b>Released to Imaging:</b>	Project Information	Chain	of Custody	,									Page	of
0 1	Client: TOUR ROCIC	Bill To		12:57	- Aller	La	b Use	Only	Contraction of the	1	ddama	TAT	EPA P	rogram
ma	Client: TOUR ROCIC Project: CONTEST 211 H	Attention: ESS		Laby	NO#			ob Num	ber	1D	2D 3	3D Standard		SDWA
gi	Project Manager:	Address: 2724 NW COUNTY RO	AD	FQ	ngi	5-	7 8	D04(	1000-1		X			
50	Address:	City, State, Zip HOBBS, NM 8824	Ter and	- sa	201	-			nd Metho	4	pi	Isen and	100	RCRA
	City, State, Zip	Phone: 575-393-9048	-		1	T		1		1		the state		
21	Phone:	EMAIL TO: Natalie@energystaffingll	c com	5	5								State	
20	Email:	Dakoatah@energystaffingllc.com	<u>c.com</u>	8015	801	-		0		-		NMIC	CO UT AZ	TX
3/21/2023	Report due by:			0 by	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010 Chloride 300.0		NN	X1			
	Time Date No. of		Lab	/OR	/DR	(p)	by 8	als 6 ride		S	N			
3	Sampled Sampled Matrix Containers	Sample ID	Number	DRO/ORO	GRO	BTE)	VOC	Metals 60 Chloride		BGDOC	BGDOC		Remarks	
10:35:27	abo C I	CDI Duran	1							1.				
7	8/25/22 5	SPI-COMP								X				
AM		ARD ROUPD	0		100					1				
		SP 2-COMP	2			-				1				an I marked
		SP 3-COMP	3											
		SP > - COMP	and the second s				_			11	-			
		SP 4-COMP	4							1(				
		St 1 Court	A A A					_		11				
		SP 5-COMP	5							11				
		The second s	BAN BLANK			-		-		+				
		SP 6-Comp	0							11				
										++				
		SP 7-Comp	7			2.0				11				
			6					-		+				
		SP 8-Comp	8							$\left  \right\rangle$				
			9							11				
		SP 9-comp	1							11				
			10							T				
		SP 10-Comp	Call of the State of the State of the State							1				
	Additional Instructions:	Added Comp to all sample	e nar	nes	5 4	zer	· D	ako	ta "	612	9/27	r cc		
	and the second	ity of this sample. I am aware that tampering with or intentionally mislabell	ing the sample	locatio	on,				10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			be received on ice the	and the second second second	led or received
	date or time of collection is considered fraud and ma		n ma	904	ez	-	and the second second	scked in ice	at an avg temp	4-7	14	than 6°C on subsequer	it days,	- the second
	Relinguished by: (Signature) Date	Received by: (Siggarure)	Bate 20	2	Time	ZY	2	and the		L	ab Use	Only		
	Relinquished by (Signature) Date	obos venesving	pau			2.0	UR	leceive	d on ice:	Q	// N			
	Indenduisited by Dematately	JAD Time I Received by: Agaature of +	\$170/	22	Time	:3				-				
	Relinquished by: (Signature) Date	Time Received by: (Signature)	Date	a.	Time			T		12	and a signed	<u>T3</u>		
	includes and a strategic of the strategi	hecewed by, (Signature)	Dute	100	inne			WET	np°C_4	1				
	Famala Matein C. Sail Ed. Saild Co. Club, A. A.		Cantains	Turk		1						10.1	State State	A STATIST
	Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aq Note: Samples are discarded 30 days after res	ueous, O - Other ults are reported unless other arrangements are made. Hazardous	Containe samples will										analysis of the	ahovo
		ceived by the laboratory with this COC. The liability of the laborator								in ext	iense.	ine report for the	analysis of the	above
							and the trice of	and the second sec	COLUMN TO MAKE STREET			•		
							(-	3	A	2	V	iro	to	ch
								-	61		V		16	61

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Project	Information
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Received by OCD: 3/14/2023 8:36:39 AM

Released to Imaging:	Project Information	Chain	of Custody	,										Page	of
10	Client: Tap ROGE	Bill To		NOK4		la	b Use (	Inly	MARINE	1		TAT		EDAD	~ 7
nag	Project: Contest 2 M H	Attention: ESS		Lab	WO#		and the second second	b Num	ber	1D	2D		standard	CWA	SDWA
ing	Project Manager:	Address: 2724 NW COUNTY RO	AD	Eá	WO#	157	2	204(	0-0001		X				55111
	Address:	City, State, Zip HOBBS, NM 8824	<u>0</u>				An	alysis a	nd Metho	d	/				RCRA
3/21/2023	City, State, Zip Phone:	Phone: 575-393-9048 EMAIL TO: Natalie@energystaffinglig		10									dim and the second		
20	Email:	Dakoatah@energystaffingllc.com	<u>c.com</u>	801	801	-		0					NMI CO	State	TY
	Report due by:			to by	to by	802	8260	\$ 300		NN	Υ <sub>T</sub>			UT ML	
10-25-27	Time 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	BGDOC			Remarks	
37 A M	8/2stzz S I SP	11 - Comp	11							x					
1	I I SP	12-Comp	12							(					
	SP	13 - Comp	13							1					
	SP	14 - Comp	14							(					
	SP	15 - Comp	15												
	SP	16 - Comp	16												_
	SP	17- Comp	17												
	Ser Su	VI - ComP	18					-							
	\$15u	12 - Comp	19							<b>1</b>					
	I Sw	3 - Comp	20												
	Additional Instructions: Addee					Der									
	I, (field sampler), attest to the validity and authenticity of this sam date or time of collection is considered fraud and may be grounds		ng the sample				pack						d on ice the day th n subsequent day		d or received
	Relinquished by: (Signature) Date 252		Date		Time	* (	7		on ice:			e Only			
	Relinquished by: (Signature) Date	ime Received by Signature at	Date 29	20	ime 10	3	DTI	cerveu	onnee.	12	N		тз		
	Relinquished by: (Signature) Date T	ime Received by: (Signature)	Date		Time			G Tem	n°c 4		inter at		C. C		
	Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Oth		Container	Туре	: g - gl	ass, p	- poly/	olastic,	ag - ambe	r glas	s, v - 1	VOA		the second second	Care Bringhi
	Note: Samples are discarded 30 days after results are report samples is applicable only to those samples received by the	rted unless other arrangements are made. Hazardous s e laboratory with this COC. The liability of the laboratory	amples will b	be ret	urned t	to clier	nt or dist	osed of	at the clier	nt expe	ense.	The repo	rt for the anal	ysis of the a	bove
		Contract of the Contract Operation					C			21		ir	ot	0	ch

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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: E208158

Job Number: 20046-0001

Received: 8/29/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/30/22

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

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

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

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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Chain of Custody etc.

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#### Sample Summarv

		Sample Sum	mary		
Tap Rock		Project Name:	Contest 211 H		Reported:
7 W. Compress Road		Project Number:	20046-0001		•
Artesia NM, 88210		Project Manager:	Natalie Gladden		08/30/22 17:10
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.
W5 - Comp	E208158-02A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
W6 - Comp	E208158-03A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
W7 - Comp	E208158-04A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
W8 - Comp	E208158-05A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
W9 - Comp	E208158-06A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
W10 - Comp	E208158-07A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
W11 - Comp	E208158-08A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
W12 - Comp	E208158-09A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
W13 - Comp	E208158-10A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
W14 - Comp	E208158-11A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
W16 - Comp	E208158-12A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
W17 - Comp	E208158-13A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.
W15 - Comp	E208158-14A	Soil	08/25/22	08/29/22	Glass Jar, 2 oz.



		mpic D				
Tap Rock 7 W. Compress Road	Project Name: Project Numbe		test 211 H 46-0001			Reported:
Artesia NM, 88210	Project Manage		lie Gladden			8/30/2022 5:10:30PM
	S	W4 - Comp				
		E208158-01				
		Reporting				
Analyte	Result	Limit	Dilutior	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ana	llyst: 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	
p-Xylene	ND	0.0250	1	08/29/22	08/30/22	
o,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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	llyst: 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	
Nonhalogenated Organics by EPA 8015D - DRO/ORC	mg/kg	mg/kg	Ana	ılyst: KL		Batch: 2236003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/29/22	
Dil 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	llyst: RAS		Batch: 2236011
Chloride	192	20.0	1	08/29/22	08/29/22	

# Sample Data



# Sample Data

		mpic D					
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manag	er: 2004	test 211 H ł6-0001 ılie Gladde	en			<b>Reported:</b> 8/30/2022 5:10:30PM
	S	W5 - Comp					
	-	E208158-02					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
•			DI		*	7 mary2ed	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:		00/00/00	Batch: 2236010
Benzene	ND	0.0250		1	08/29/22	08/30/22	
Ethylbenzene	ND ND	0.0250 0.0250		1	08/29/22 08/29/22	08/30/22 08/30/22	
Toluene p-Xylene	ND ND	0.0250		1	08/29/22	08/30/22	
o,m-Xylene	ND	0.0250		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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236011
Chloride	198	20.0		1	08/29/22	08/29/22	



## Sample Data

		ample D	uu				
Tap Rock	Project Name:		test 211 H				
7 W. Compress Road	Project Numbe		46-0001				Reported:
Artesia NM, 88210	Project Manag	er: Nata	ilie Gladde	n			8/30/2022 5:10:30PM
	S	W6 - Comp					
		E208158-03					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
p-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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2236011
Chloride	229	20.0		1	08/29/22	08/29/22	



# Sample Data

		mpic D					
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manag	r: 2004	test 211 H 46-0001 Ilie Gladde	n			<b>Reported:</b> 8/30/2022 5:10:30PM
	S	W7 - Comp					
	]	E208158-04					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236011
Chloride	246	20.0		1	08/29/22	08/29/22	



## Sample Data

		imple D					
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manage	r: 2004	test 211 H 46-0001 Ilie Gladde	en			<b>Reported:</b> 8/30/2022 5:10:30PM
, ,	, ,	W8 - Comp					
		E208158-05					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
p-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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2236011
Chloride	493	20.0		1	08/29/22	08/29/22	


## Sample Data

		imple D					
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manage	r: 2004	test 211 H 46-0001 Ilie Gladde	en			<b>Reported:</b> 8/30/2022 5:10:30PM
	S	W9 - Comp					
	]	E208158-06					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236011
Chloride	121	20.0		1	08/29/22	08/29/22	



## Sample Data

		impic D					
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manag	er: 2004	test 211 H 46-0001 Ilie Gladde	en			<b>Reported:</b> 8/30/2022 5:10:30PM
	SV	W10 - Comp	)				
	-	E208158-07					
	D k	Reporting		<i>.</i> .			
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
p-Xylene	ND	0.0250		1	08/29/22	08/30/22	
o,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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236011
Chloride	34.2	20.0		1	08/29/22	08/29/22	



## Sample Data

		mpic D					
Tap Rock 7 W. Compress Road	Project Name: Project Number		test 211 H 6-0001				Reported:
Artesia NM, 88210	Project Manage	er: Nata	lie Gladde	en			8/30/2022 5:10:30PM
	SV	V11 - Comp					
	I	E208158-08					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
p-Xylene	ND	0.0250		1	08/29/22	08/30/22	
o,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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KL		Batch: 2236003
Diesel Range Organics (C10-C28)	ND	25.0		1	08/29/22	08/29/22	
Dil Range Organics (C28-C36)	ND	50.0		1	08/29/22	08/29/22	
Surrogate: n-Nonane	ė	82.7 %	50-200		08/29/22	08/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236011
Chloride	ND	20.0		1	08/29/22	08/29/22	



### Sample Data

	5	ample D	ala				
Tap Rock 7 W. Compress Road	Project Name: Project Numb		test 211 H 46-0001	[			Reported:
Artesia NM, 88210	Project Manag		ilie Gladd	8/30/2022 5:10:30PM			
	S	W12 - Comp	)				
		E208158-09					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
p-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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: RAS		Batch: 2236011
Chloride	24.8	20.0		1	08/29/22	08/29/22	



## Sample Data

		impic D					
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manage	r: 2004	test 211 H 46-0001 Ilie Gladder	n			<b>Reported:</b> 8/30/2022 5:10:30PM
	SV	W13 - Comp	)				
	]	E208158-10					
Analyte	Result	Reporting Limit	Dilu	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY			Batch: 2236010
Benzene	ND	0.0250	1	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	:	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	i	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2236010
Gasoline Range Organics (C6-C10)	ND	20.0	1	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KI	_		Batch: 2236003
Diesel Range Organics (C10-C28)	ND	25.0	1	1	08/29/22	08/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	08/29/22	08/29/22	
Surrogate: n-Nonane		102 %	50-200		08/29/22	08/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RA	AS		Batch: 2236011
Chloride	111	20.0	:	1	08/29/22	08/29/22	



## Sample Data

		imple D					
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manag	r: 2004	test 211 H 46-0001 Ilie Gladde	en			<b>Reported:</b> 8/30/2022 5:10:30PM
	SV	W14 - Comp	)				
	]	E208158-11					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236011
Chloride	ND	20.0		1	08/29/22	08/29/22	



### Sample Data

		mpic D					
Tap Rock 7 W. Compress Road	Project Name: Project Numbe		test 211 H 46-0001				Reported:
Artesia NM, 88210	Project Manag	er: Nata	lie Gladde	n			8/30/2022 5:10:30PM
	S	W16 - Comp	)				
		E208158-12					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	s by EPA 8260B mg/kg mg/kg Analyst: IY		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	
p-Xylene	ND	0.0250		1	08/29/22	08/30/22	
o,m-Xylene	ND	0.0500		1	08/29/22	08/30/22	
Fotal 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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236011
Chloride	43.7	20.0		1	08/29/22	08/29/22	



## Sample Data

		mpic D					
Tap Rock 7 W. Compress Road	Project Name: Project Number		test 211 H 46-0001				Reported:
Artesia NM, 88210	Project Manage	er: Nata	lie Gladder	n			8/30/2022 5:10:30PM
	SV	V17 - Comp	)				
	I	E208158-13					
		Reporting					
Analyte	Result	Limit	Dilu	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
p-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	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: K	L		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	8	88.7 %	50-200		08/29/22	08/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: R.	AS		Batch: 2236011
Chloride	105	20.0	:	1	08/29/22	08/29/22	



## Sample Data

		ampie D	uuu				
Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Project Numbe Project Manag	er: 2004	test 211 H 6-0001 lie Gladde	en			<b>Reported:</b> 8/30/2022 5:10:30PM
	S	W15 - Comp	1				
		E208158-14					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	260B mg/kg mg/kg Analyst: IY		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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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:	Co	ntest 211 H					Reported:
7 W. Compress Road		Project Number:	20	046-0001					•
Artesia NM, 88210		Project Manager:	Na	talie Gladden				:	8/30/2022 5:10:30PM
	V	olatile Organic	Compou	inds by EPA	A 82601	3			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2236010-BLK1)						]	Prepared: 0	8/29/22 Ar	alyzed: 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: 0	8/29/22 Ar	alyzed: 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			
Foluene	2.15	0.0250	2.50		86.2	70-130			
p-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: 0	8/29/22 Ar	alyzed: 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			
	0.518		0.500		104	70-130			

### **QC Summary Data**

		QC D	umm	ary Data	1				
Tap Rock 7 W. Compress Road		Project Name: Project Number:	2	Contest 211 H 0046-0001					Reported:
Artesia NM, 88210		Project Manager	: N	latalie Gladden					8/30/2022 5:10:30PM
	No	nhalogenated (	Organics	by EPA 801	1 <b>5D - G</b> 1	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2236010-BLK1)							Prepared: 0	8/29/22 A	nalyzed: 08/29/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.499		0.500		<b>99</b> .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: 0	8/29/22 A	nalyzed: 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: 0	8/29/22 A	nalyzed: 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**

		QC D	u	ing Data					
Tap Rock 7 W. Compress Road		Project Name: Project Number:		ontest 211 H 0046-0001					Reported:
Artesia NM, 88210		Project Manager:	Ν	atalie Gladden					8/30/2022 5:10:30PM
	Nonh	alogenated Org	anics by	EPA 8015D	- DRO	/ORO			Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2236003-BLK1)							Prepared: 0	8/29/22 A	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: 0	8/29/22 A	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: <b>H</b>	E208158-0	01	Prepared: 0	8/29/22 A	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: I	E208158-	01	Prepared: 0	8/29/22 A	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**

		· ·		v					
Tap Rock		Project Name:		ontest 211 H					Reported:
7 W. Compress Road		Project Number		0046-0001					
Artesia NM, 88210		Project Manager	r: N	atalie Gladder	1				8/30/2022 5:10:30PM
		Anions	by EPA 3	300.0/9056 <i>A</i>	4				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2236011-BLK1)							Prepared: 0	8/29/22 A	Analyzed: 08/29/22
Chloride	ND	20.0							
LCS (2236011-BS1)							Prepared: 0	8/29/22 A	Analyzed: 08/29/22
Chloride	245	20.0	250		97.8	90-110			
LCS Dup (2236011-BSD1)							Prepared: 0	8/29/22 A	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.



Page <u>3</u> of <u>4</u>

Project: Contest 211 tt	Bill To				La		se On				ТАТ	EPA Pr	ogram
roject: (On test All H	Attention: ESS	045	Lab	WO#	-	+	Job I	Number	1D		Standard	CWA	SDWA
ddress:	Address: 2724 NW COUNTY R City, State, Zip HOBBS, NM 882		ta	081	DI	0		y lo-0001 vsis and Metho	d	IХГ	1		RCRA
ity, State, Zip	Phone: 575-393-9048								Ī		T		nenn
none:	EMAIL TO: Natalie@energystaffing	llc.com	3015	015								State	-
eport due by:	Dakoatah@energystaffingllc.com		3 Vd C	8 yd C	8021	260	010	300.0	WN	¥	NM CO	UT AZ	TX
Time Date Matrix No. of Sample ID		Lab	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC	BGDOC		Remarks	
ampled Sampled Matrix Containers Sample D		Number	DR	GR	BTB	20	Me	CH	BG	BGI		Nemark3	
S SW	4	1							X	-			
1 1 SW	5	2							1				
	0		-			-			1				
SW	6	3							$ \rangle$				
54)	7	4											
	0						-		H		-		
SW	8	5							1	1.1.1			
SW	9	4							11				
					-	-	-		++				
>w	0	7							1				
Sh)	11	8											
	1.2	9							11				
- Sw		6									-		
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dditional Instructions:		_											
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in a second s	Sumpled dy.		-								n 6 °C on subsequent day		
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elinquished by: (Signature) Date, Tim	e f Received by/(Signature)	Date /	V	Time		1.11	Rece	eived on ice:	Q	// N			
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elinquished by: (Śignǎture) <sup>†</sup> Ďate Tin	e Received by: (Signature)	Date		Time					11				
mple Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		Container	Tung		lace	_		Temp °C	9		٨		
te: Samples are discarded 30 days after results are reported								astic, ag - amb				unic of the r	hour

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ty, Stat none: nail:	e, Zip				EN	one: 575-393-9 IAIL TO: Natalie@ koatah@energys	Denergystaffingl	c.com	DRO/ORO by 8015	GRO/DRO by 8015	1			0.0		V		NM	Sta CO UT	ite	
eport d						*		1	oro b	ORO by	oy 802	y 826(	s 6010	de 300		C NM	¥			1.0	
Time ampled	Date Sampled	Matrix	No. of Containers	Sample ID				Lab Number	DRO/G	GRO/I	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC		Rem	arks	
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ple Mat	ix: S - Soil, Sd	- Solid, Sg -	Sludge, A - A	queous, <b>O</b> - Other	· · · · · · · · · · · · · · · · · · ·	1		Container	Type	:g-g	lass.					r glas	5. V - VO	A			-

### **Envirotech Analytical Laboratory**

Client:	Tap Rock	Date Received:	08/29/22 10:3	0	Work Order ID: E208158
Phone:	(575) 390-6397	Date Logged In:	08/29/22 08:3	6	Logged In By: Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	08/30/22 17:0	0 (1 day TAT)	
Chain o	f Custody (COC)				
1. Does 1	the sample ID match the COC?		No		
	the number of samples per sampling site location ma	tch the COC	No		
3. Were	samples dropped off by client or carrier?		Yes	Carrier: U	JPS
4. Was tl	he COC complete, i.e., signatures, dates/times, reque	sted analyses?	No	-	<u> </u>
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi		Yes		Comments/Resolution
Sample '	Turn Around Time (TAT)				
	ne COC indicate standard TAT, or Expedited TAT?		Yes		Project has been separated into 2 reports
Sample	<u>Cooler</u>				due to amount of samples. Workorders are
7. Was a	sample cooler received?		Yes		as follows:
8. If yes,	, was cooler received in good condition?		Yes		E208157 COC pg 1&2 of 4, E208158 COC
9. Was tl	he sample(s) received intact, i.e., not broken?		Yes		
10. Were	e custody/security seals present?		No		pg 3&4 of 4. Project manager, Date&time
11. If ye	s, were custody/security seals intact?		NA		sampled not provided on COC.Changed
	the sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples a minutes of sampling o visible ice, record the temperature. Actual sample	re received w/i 15	Yes		sample names per client.Added extra sample.
Sample	Container	• —			
	aqueous VOC samples present?		No		
	VOC samples collected in VOA Vials?		NA		
16. Is the	e 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 1	non-VOC samples collected in the correct containers	?	Yes		
19. Is the	e appropriate volume/weight or number of sample contai	ners collected?	Yes		
Field La	<u>ıbel</u>				
	e field sample labels filled out with the minimum inf	ormation:			
	Sample ID?		Yes		
	Date/Time Collected? Collectors name?		No		
	Preservation		No		
_	s the COC or field labels indicate the samples were p	reserved?	No		
	sample(s) correctly preserved?		NA		
	b filteration required and/or requested for dissolved r	netals?	No		
	ase Sample Matrix		1.0		
	s the sample have more than one phase, i.e., multipha	ise?	No		
	s, does the COC specify which phase(s) is to be anal		NA		
-		y2001	INA		
	tract Laboratory	2	3.7		
	samples required to get sent to a subcontract laborate	-	No		
29. was	a subcontract laboratory specified by the client and i	i so who?	NA Su	bcontract Lal	p: na

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



Proje	ect Ir	nform	nation
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Project Information	Chain o	of Custody	,									Pa	age 3	_of <u>4</u>
Client: Talkouc Project: Contest 21144 Project Manager: Address:	Bill To <u>Attention:</u> ESS <u>Address:</u> 2724 NW COUNTY RO, <u>City, State, Zip</u> HOBBS, NM 8824		Lab WC	)#	5 8	Job N	umber	xo/ Method	1D	2D X	TAT 3D Star	and the second statement of th	EPA Pro	SDWA
City, State, Zip Phone: Email: Report due by:	Phone: <u>575-393-9048</u> EMAIL TO: Natalie@energystaffinglk Dakoatah@energystaffingllc.com		DRO/ORO by 8015 GRO/DRO by 8015	y 8021	/ 8260	6010	le 300.0		WW :	Х	N		State JT AZ	TX
Time         Date         Matrix         No. of Containers         Sample ID		Lab Number	DRO/ORO GRO/DRO	BTEX by 802.	VOC by 8260	Metals	Chloride		BGDOC	BGDOC		R	emarks	
8/25 S 1 SW	4 - Comp	1							X					
1 1 1 SW	5-Comp	2							(					
Sw	6-comp	3							1					
Sw.	7 - Comp	4							)					
Sw	8-Comp	5							(					
Sw	9-comp	4							1					
SW	10-comp	7												
SW	11 - Comp	8							)					
I Sw	12-Comp	9							1					
Su	•/	10							1					
	ded comp to all san			ls 1	per	· C	ah	ota	8	1291	22 0	c		
I, (field sampler), attest to the validity and authenticity of this sam date or time of collection is considered fraud and may be grounds	ple. I am aware that tampering with or infer profix mislabellin for legal action. Sampled w:	ng the sample	location,	1	1.5						be received on i than 5 °C on sub		are sampled	or received
	ime Received by: (Signature)	Pate	ATIN	30		Receiv	ved on	ice:		b Use	Only			
Relinquished by: (Signature) Date	ime there we de the hot	Date 9/29/2	7, Tim	0:3		Γ1			T2		T	2		
Relinquished by: (Signature) Date T	ime Received by: (Signature)	Date	Tim				emp °		1		- (n. ) - (n. )			
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Oth		Container	Type: g	glass,	p - po	ly/plas	tic, ag	- ambe	r glas	s, v - V	OA		A. 380.	
Note: Samples are discarded 30 days after results are report samples is applicable only to those samples received by the	rted unless other arrangements are made. Hazardous s e laboratory with this COC. The liability of the laboratory	is limited to	the amou	ed to cli unt paid	for on	dispose the rep	d of at port.	he clien	it expe	ense. T	he report fo	r the analysi	is of the al	ove
					(	E	E	er	יר	V	irc	oto	e	cl

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Received by OCD: 3/14/2023 8:36:39 AM

Released t	Project Information	Chain o	of Custody	,										Page 4	
to I	Client: UPROCIC	Bill To		No.	800	Lab l		nly	Activity			TAT		EDA D.	in an
Imaging:	Project: Contest 24H Project Manager: Address:	Attention: ESS Address: 2724 NW COUNTY ROA City, State, Zip HOBBS, NM 88240	<u>AD</u>	Lab V	vo# 08/	158	Job	Numbe 046-	er 0001 Method	1D	2D :		tandard	CWA	SDWA RCRA
3/21/2023	City, State, Zip Phone: Email: Report due by:	Phone:         575-393-9048           EMAIL TO: Natalie@energystaffingllc.com           Dakoatah@energystaffingllc.com	com	tO by 8015	GRO/DRO by 8015	8021 8260	5010	900.0		NM	TX		NM CO	State UT AZ	TX
10:35:27	Time Date Matrix No. of Containers	A state of the second stat	Lab Number	DRO/ORO	GRO/DR	BTEX by 8021 VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC			Remarks	
:27 AM	8/25 5 1	She 14-Comp She 14-Comp She $16$ -Comp She $17$ -Comp She $15$ -Comp	11							X					
M		SG 16-comp	12		-					(					
		SW 17-Comp	13							1					
		SW 15-Comp	14							7				- James	
			A second												
			Lass.												
	Additional Instructions: Add	Led comp to all Samole nam	2050	and		rold	10	QY	tra	50	200	DIA	<(.)!	5-00	mp
	I, (field sampler), attest to the validity and authe	Led comp to all sample name per Dakota Fizalzz CC	g the sample	location	1,								on ice the day t		
	date or time of collection is considered fraud and Relingershed by: (Signature) Da		Dates	Īī	iom 4		packe	d in ice at a	n avg temp	-	but less t		subsequent day	<b>/s</b> .	and which which
	Relinquished by: (Signature) Da	Br2S22 Bergived by Signature	Date	P	3.	0	Rec	eived o	n ice:	Ċ	// N	Omy			
	Relinquished by: (Signature) Da	te Time Received by: (Signature)	029/2 Date	21	10 il	30	<u>T1</u>			<u>T2</u>			<u>T3</u>		
1								Temp							
	Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A Note: Samples are discarded 30 days after samples is applicable only to those sample	Aqueous, O - Other results are reported unless other arrangements are made. Hazardous sa received by the laboratory with this COC. The liability of the laboratory	Container amples will I	be retui	rned to	o client d	r dispo	osed of at	g - ambe t the clien	r glas	s, v - V ense, T	OA he repor	t for the ana	lysis of the a	ibove
	Free to the second se			and all	(State)				er	1	V	ir	ot	e	ch

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#### **CONTEST FINAL PHOTOS**







**AL PHOTOS** 





























State of New Mexico

Page 6

Form C-141

Oil Conservation Division

Page	<b>39</b> 7	of	3	98

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: <u>Natalie Gladden</u>	Title: Director of Environmental and Regulatory	
Signature: Atalu Calado	Date: 3/8/23	
email: <u>natalie@energystaffingllc.com</u>	Telephone: <u>575-390-6397</u>	

OCI	0 (	nlv
		A.A.A. Y

Received by:

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

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:	Date: 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

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

Operator:	OGRID:
TAP ROCK OPERATING, LLC	372043
523 Park Point Drive	Action Number:
Golden, CO 80401	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

Action 196697