



**JACKSON UNIT #918H
CLOSURE REQUEST**

**API NO. 30-025-48773
Unit Letter O, Section 22, Township 24S, Range 33E
LEA COUNTY, NEW MEXICO**

**DATE OF RELEASE: 05/11/2023
INCIDENT NO. NAPP2313240173**

**05/29/2024
Prepared by:**



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

May 29, 2024

New Mexico Energy, Mineral & Natural Resources
NMOCD District II
C/O Mike Bratcher, Robert Hamlet, Jennifer Naribu, & Jocelyn Harimon
811 S. First Street
Artesia, NM 88210

New Mexico State Land Office
Water Bureau Manager Faith Crosby
1001 South Atkinson Ave
Roswell, NM 88203

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

Subject: Closure Request for Tap Rock Operating – Jackson Unit #918H

API No. 30-025-48773
Incident No. NAPP2313240173
Legal Unit Letter O, Section 22, Township 24 South, Range 33 East
Lea County, New Mexico

To Whom it May Concern:

Tap Rock Operating, LLC retained Energy Staffing Services, LLC (ESS) to conduct a spill assessment for the Jackson Unit #918H (hereafter referred to as the “Jackson 918H”) for the condensate release that occurred on May 11th, 2023. On the same day, ESS provided the immediate notification of the release to the *New Mexico Oil Conservation Division (NMOCD), Division II Office* and the *New Mexico State Land Office (SLO)* via email at 4:22 PM. (Notification Attached). On behalf of Tap Rock, ESS also submitted the initial C141 Release Notification, along with the spill calculator used to determine the volume of the release (attached) on May 12th, 2023. The NMOCD accepted the C141 as record on the same said date. The incident number assigned to the release is NAPP2313240173. (Notification of correspondence is attached).

This report provides a detailed description of the spill assessment, delineation, and remedial activities, which demonstrate 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 May 11th, 2023, it was discovered that a leak had surfaced around the wellhead of the Jackson 918H. Upon further investigation, it was discovered that a buried flowline had a pin sized hole due to corrosion causing condensate to be released under the wellhead. The well was immediately shut-in and a hydrovac was dispatched to the location to uncover the line so the leak could be repaired.

Upon discovery of the release, ESS was notified and dispatched out to location to conduct a full environmental assessment of the condensate leak. It was determined, after measuring the area of impact, that approximately 27.35 barrels of condensate, with no fluid able to be recovered, had been released under the wellhead of the Jackson 918H. Initial site photos and measuring of the impacted area were conducted. Please see the initial site photos attached.

Site Characterization

The release at the Jackson 918H occurred on State Land and is located at 32.1981185 latitude and -103.5566256 longitude, 25.4 miles northwest of Jal, New Mexico. The legal description of the site is Unit Letter O, Section 22, Township 24 South, and Range 33 East. This site is located in Lea County, New Mexico. Please see the site schematic attached.

The Jackson 918H consists of production lines and is near production facilities and well pads. The area of the release occurred under the wellhead of the Jackson 918H. The elevation is 3,553 feet. The area is historically or has been primarily dominated by black grama, sideoats grama, blue grama, and other perennial forbs, shrubs, and 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 in the area of the Jackson 918H consists of 100% Simona-Upton association. (Soil Map Attached). In the area of the Jackson 918H, the *FEMA National Flood Hazard Layer* indicates that there is 0.2% chance of a flood hazard with a 1% chance of flood with an average depth of one foot or with drainage areas of less than one square mile. (See Map Attached).

There is "low potential" for Karst Geology to be present near the Jackson 918H site, according to the *United States Department of the Interior, Bureau of Land Management*. Please find the Karst Map attached herein.

There is no surface water located near or around the Jackson 918H. The site is not near a continuously flowing watercourse and or lakebed within ½ a mile from the release. No other critical or community features were found at the Jackson 918H site. (Attached Watercourse Map).

The nearest and most recent water well to the site according to the *New Mexico Office of the State Engineer* is C04339 POD1, drilled in 2019 with a well depth of 47 feet and no groundwater

data available. This well is 478 yards from the site. The second well is C04339 POD8, drilled in 2019 with a well depth of 30 feet and no groundwater data available, 601 yards from the site. The third well is C04339 POD2, drilled in 2019 with no available well depth or groundwater data. This well is 742 yards from the site. The fourth well is C04339 POD7, drilled in 2019 with no available well depth or groundwater data, 821 yards from the site. The fifth well is C03600 POD4, drilled in 2013 with a well depth of 43 feet and no groundwater data available. This well is 1,164 yards from the site. An extended groundwater search was conducted using the *OSE POD Location Mapping System* and it has been determined that the well C04339 POD1 was found within a ½ mile radius of the Jackson 918H release. Please find the NMOSE, OSE POD, and groundwater map attached to this report.

Closure Criteria Determination

The Closure Criteria for Soils impacted by a Release is shown in the chart below. With no groundwater data available within a ½ mile radius from the release point, being on State Land and with having “low karst potential,” the site fell under <50’ to groundwater. This is only due to not having any recent or available water depths.

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

Soil Remediation Action Levels

ESS has provided sufficient data that this release has impacted the soil at the Jackson 918H 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 provides direction for Tap Rock’s initial response actions, site assessment and sample procedures conducted by ESS Staff. We would like to present to you the following information concerning the delineation process for the release detailed herein.

Soil Sampling Procedures

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

- Collect clean samples in 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 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

On May 11th, 2023, ESS arrived on site of the Jackson 918H, set delineation sample points, GPS'd each sample point, and began to obtain surface samples. Each surface sample was field tested, logged, and submitted to Envirotech Laboratory for confirmation. A total of 6 vertical sample points were placed along with 8 horizontal sample points. Each sample point was then sampled by use of hand auger and backhoe in 1' intervals. Bottom hole samples were then submitted to the lab for confirmation. Please see the delineation sample data below, with the lab data indicated in yellow. Attached to this report you will find the sample data, delineation sample data, and the lab analysis.

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
SP1	SURF	>4000	H	ND	ND	36100	29600	65700	21800
	1	1200							
	2	1040							
	3	480							
	4	400							
	5	320							
	6	320	L	ND	ND	ND	ND	ND	219
SP2	SURF	>4000	H	ND	ND	35600	26300	61900	10400
	1	1840							
	2	1920							
	3	1440							
	4	560							
	5	400							

	6	240	L	ND	ND	ND	ND	ND	ND
SP3	SURF	>4000	H	4.1	43.2	22800	13900	36743.2	69900
	1	320							
	2	240							
	3	80	L	ND	ND	ND	ND	ND	21
SP4	SURF	>4000	H	ND	ND	24500	51500	76000	36900
	1	560							
	2	400							
	3	320	L	ND	ND	ND	ND	ND	105
SP5	SURF	>4000	H	ND	ND	30100	45700	75800	11000
	1	480							
	2	320							
	3	160	L	ND	ND	ND	ND	ND	67.3
SP6	SURF	>4000	H	0.209	ND	28400	38000	66400	44100
	1	800							
	2	560							
	3	400							
	4	320	L	ND	ND	ND	ND	ND	ND
SW1	SURF	>4000	H	ND	ND	11100	3510	14610	5260
	1	80							
	2	80	L	ND	ND	ND	ND	ND	51.3
SW2	SURF	>4000	H	ND	ND	12900	19700	32600	5040
	1	80							
	2	80	L	ND	ND	ND	ND	ND	ND
SW3	SURF	2320	H	ND	ND	1730	1810	3540	2760
	1	80							
	2	80	L	ND	ND	ND	ND	ND	ND
SW4	SURF	3280	H	ND	ND	7030	2180	9210	3540
	1	80							
	2	80	L	ND	ND	ND	ND	ND	ND
SW5	SURF	>4000	H	ND	ND	5770	4690	10460	4990
	1	80							

	2	80	L	ND	ND	ND	ND	ND	ND
SW6	SURF	>4000	H	ND	ND	3550	2340	5890	8940
	1	80							
	2	80	L	ND	ND	ND	ND	ND	ND
SW7	SURF	>4000	H	ND	ND	4120	4720	8840	13000
	1	80							
	2	80	L	ND	ND	ND	ND	ND	ND
SW8	SURF	>4000	H	ND	ND	6520	5480	12000	8490
	1	80							
	2	80	L	ND	ND	ND	ND	ND	ND
B1	SURF	>4000	H	ND	ND	26900	22300	49200	19400
	1' (7')	>4000							
	2' (8')	>4000							
	3' (9')	>4000							
	4' (10')	>4000							
	5' (11')	>4000							
	6' (12')	3440							
	7' (13')	2320							
	8' (14')	1200							
	9' (15')	720							
	10' (16')	480							
	11' (17')	400							
	12' (18')	240							
	13' (19')	80	L	ND	ND	ND	ND	ND	92.1
B2	SURF	>4000	H	0.185	ND	30200	35600	65800	43700
	1' (7')	2000							
	2' (8')	>4000							
	3' (9')	2400							
	4' (10')	750							
	5' (11')	480							
	6' (12')	240							
	7' (13')	160							
	8' (14')	160							
	9' (15')	80							
	10' (16')	80							
	11' (17')	80							

	12' (18')	80							
	13' (19')	80	L	ND	ND	ND	ND	ND	176
B3	SURF	>4000	H	0.4	ND	21700	13200	34900	81400
	1' (7')	880							
	2' (8')	640							
	3' (9')	640							
	4' (10')	480							
	5' (11')	480							
	6' (12')	320							
	7' (13')	240							
	8' (14')	160							
	9' (15')	160							
	10' (16')	80							
	11' (17')	80							
	12' (18')	80							
	13' (19')	80	L	ND	ND	ND	ND	ND	141
B4	SURF	>4000	H	0.201	ND	26000	59000	85000	33100
	2' (8')	3120							
	3' (9')	3360							
	4' (10')	3680							
	5' (11')	2800							
	6' (12')	2080							
	7' (13')	1440							
	8' (14')	1040							
	9' (15')	720							
	10' (16')	560							
	11' (17')	400							
	12' (18')	240							
	13' (19')	80	L	ND	ND	ND	ND	ND	134

Please see the delineation photos attached herein.

On August 2nd, 2023, at 1:53 PM, a 60-day extension request was sent to the NMOCD for the remediation phase of the Jackson 918H on behalf of Tap Rock and ESS. (Please see email attached).

On the same day, at 2:05 PM, the NMOCD approved the 60-day extension request and updated the remediation due date to October 10th, 2023. (Please see email correspondence attached).

On December 11th, 2023, ESS crews began to obtain 200 square foot composites from the excavation area. A total of 30 bottom hole composites were obtained, field tested, and submitted to the lab for confirmation. Please find the composite sample data below as well as attached to this report followed by the lab confirmation data.

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
COMP1	2	240	L	ND	ND	ND	ND	ND	133
COMP2	2	80	L	ND	ND	ND	ND	ND	ND
COMP3	2	80	L	ND	ND	ND	ND	ND	ND
COMP4	2	80	L	ND	ND	ND	ND	ND	ND
COMP5	2	240	L	ND	ND	ND	ND	ND	120
COMP6	2	240	L	ND	ND	ND	ND	ND	131
COMP7	2	240	L	ND	ND	ND	ND	ND	131
COMP8	2	80	L	ND	ND	ND	ND	ND	ND
COMP9	2	80	L	ND	ND	ND	ND	ND	ND
COMP10	2	80	L	ND	ND	ND	ND	ND	ND
COMP11	2	240	L	ND	ND	ND	ND	ND	125
COMP12	2	240	L	ND	ND	ND	ND	ND	131
COMP13	2	240	L	ND	ND	ND	ND	ND	21.4
COMP14	2	80	L	ND	ND	ND	ND	ND	181
COMP15	2	240	L	ND	ND	ND	ND	ND	122
COMP16	2	240	L	ND	ND	ND	ND	ND	116
COMP17	2	80	L	ND	ND	ND	ND	ND	40.8
COMP18	2	80	L	ND	ND	ND	ND	ND	ND

SWCOMP1	2	240	L	ND	ND	ND	ND	ND	106
SWCOMP2	2	240	L	ND	ND	ND	ND	ND	109
SWCOMP3	2	80	L	ND	ND	ND	ND	ND	ND
SWCOMP4	2	240	L	ND	ND	ND	ND	ND	109
SWCOMP5	2	80	L	ND	ND	ND	ND	ND	ND
SWCOMP6	2	240	L	ND	ND	ND	ND	ND	106
SWCOMP7	2	240	L	ND	ND	ND	ND	ND	104
SWCOMP8	2	240	L	ND	ND	ND	ND	ND	106
SWCOMP9	2	80	L	ND	ND	ND	ND	ND	ND
SWCOMP10	2	80	L	ND	ND	ND	ND	ND	ND
SWCOMP11	2	240	L	ND	ND	ND	ND	ND	108
SWCOMP12	2	240	L	ND	ND	ND	ND	ND	103

The impacted area of the Jackson 918H measured 3,601 square feet. During the remediation phase, a total of 446 cubic yards of contaminated soil was excavated and hauled to the Owl Disposal. A total of 400 cubic yards of caliche and 100 cubic yards of topsoil was pushed up and hauled from the NGL Bonnano Pit to location for backfill. The backfill material was staged on the production pad of the Jackson 918H and then transferred to the impacted area where backfilling took place. The site was contoured and sloped back to its natural grade. Backfilling of the Jackson 918H was completed on February 7th, 2024.

Please find the remediation and final photos attached herein.

On behalf of Tap Rock, Energy Staffing Services, LLC requests that the incident (NAPP2313240173) be closed for the condensate leak that occurred under the wellhead of the Jackson Unit #918H. Tap Rock and ESS certify that all information provided and that is detailed in this report to be true and correct. Both Tap Rock and ESS have complied with all applicable closure requirements for the release that occurred on the Jackson Unit #918H.

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,



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
Delineation Sample Data
Delineation Sample Map and GPS Log
Lab Analysis for Delineation
Delineation Site Photos
Extension Request
Composite Notification
Composite Sample Data
Composite Sample Map and GPS Log
Composite Sidewall Sample Map and GPS Log
Lab analysis for Remediation
Excavation Site Photos
Remediation and Final Photos
Final C141

Natalie Gladden

From: Natalie Gladden
Sent: Thursday, May 11, 2023 4:22 PM
To: ocdonline, emnrd, EMNRD; Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD; Nobui, Jennifer, EMNRD; Harimon, Jocelyn, EMNRD
Cc: spills@slo.state.nm.us; Christian Combs; 'Bill Ramsey'; Dakoatah Montanez
Subject: Tap Rock - Spill Notification - Jackson Unit #918H

Importance: High

All,

Please find this email as the notification for a spill that was located around the wellhead of the Jackson Unit #918H. Please note that this well was previously named the Prometheus State Com #204H. The spill was found to be due to a buried flowline, which had surfaced. The well was immediately shut in so that a hydrovac could expose the pipe to make repairs. This process is still underway at this time and construction crews are repairing the section of pipe. This release cause is due to corrosion.

Location Name: Jackson Unit #918H
API No. 30-025-48773
Legals: Unit/Letter O, Section 22, Township 24S, Range 33E
Estimated Release Volume: 27.35bbls of produced water
Recovery: 0bbls

The initial C141/spill calculator and SLO documentation will be sent in shortly.

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

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	NAPP2313240173
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party TAP ROCK OPERATING	OGRID 372043
Contact Name CHRISTIAN COMBS	Contact Telephone (720) 360-4028
Contact email ccombs@taprk.com	Incident # (assigned by OCD)
Contact mailing address 523 Park Point	Golden CO 80401

Location of Release Source

Latitude **32.1981185**Longitude **-103.5566256**

(NAD 83 in decimal degrees to 5 decimal places)

Site Name JACKSON UNIT #918H	Site Type PRODUCTION
Date Release Discovered 5/11/23	API# (if applicable) 30-025-48773

Unit Letter	Section	Township	Range	County
O	22	24S	33E	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)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/> Condensate	Volume Released (bbls) 27.35bbls	Volume Recovered (bbls) 0bbls
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

A leak had surfaced around the wellhead. The buried flowline had a pin size hole due to corrosion. The well was shut-in and a hydrovac was dispatched to uncover the line so the leak could be repaired. No fluid was recovered.

Form C-141

State of New Mexico

Page 2

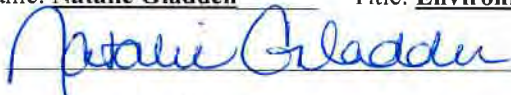
Oil Conservation Division

Incident ID	NAPP2313240173
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Volume
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? An email was sent by Natalie Gladden from ESS at 4:22pm on May 11th; email was sent to the OCD spill email, Mike Bratcher, Robert Hamlet, Jennifer Nobui, Jocelyn Harimon and to the SLO.	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped.	
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: Natalie Gladden	Title: Environmental and Regulatory Director
Signature: 	Date: 5/12/23
email: natalie@energystaffingllc.com	Telephone: 575-390-6397
OCD Only	
Received by: Jocelyn Harimon	Date: 05/12/2023

Soil Type	Porosity	Length	Width	Depth (.083 per inch)	Cubic Feet	Estimated Barrels	Soil Type
Clay	0.15	10	10	0.083	8.3	0.22	Clay
Peat	0.40	10	10	0.083	8.3	0.59	Peat
Glacial Sediments	0.13	10	10	0.083	8.3	0.19	Glacial Sediments
Sandy Clay	0.12	10	10	0.083	8.3	0.18	Sandy Clay
Silt	0.16	10	10	0.083	8.3	0.24	Silt
Loess	0.25	10	10	0.083	8.3	0.37	Loess
Fine Sand	0.16	10	10	0.083	8.3	0.24	Fine Sand
Medium Sand	0.25	10	10	0.083	8.3	0.37	Medium Sand
Coarse Sand	0.26	10	10	0.083	8.3	0.38	Coarse Sand
Gravelly Sand	0.26	10	10	0.083	8.3	0.38	Gravelly Sand
Fine Gravel	0.26	10	10	0.083	8.3	0.38	Fine Gravel
Medium Gravel	0.20	47.78	64.23	0.25	767.22735	27.35	Medium Gravel
Coarse Gravel	0.18	10	10	0.083	8.3	0.27	Coarse Gravel
Sandstone	0.25	10	10	0.083	8.3	0.37	Sandstone
Siltstone	0.18	10	10	0.083	8.3	0.27	Siltstone
Shale	0.05	10	10	0.083	8.3	0.07	Shale
Limestone	0.13	10	10	0.083	8.3	0.19	Limestone
Basalt	0.19	10	10	0.083	8.3	0.28	Basalt
Volcanic Tuff	0.20	10	10	0.083	8.3	0.30	Volcanic Tuff
Standing Liquids	X	10	10	0.083	8.3	1.48	Standing Liquids

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

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

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

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

Cubic Feet = L x W x D

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

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

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

CONDITIONS

Action 216464

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 216464
	Action Type: [C-141] Release Corrective Action (C-141)

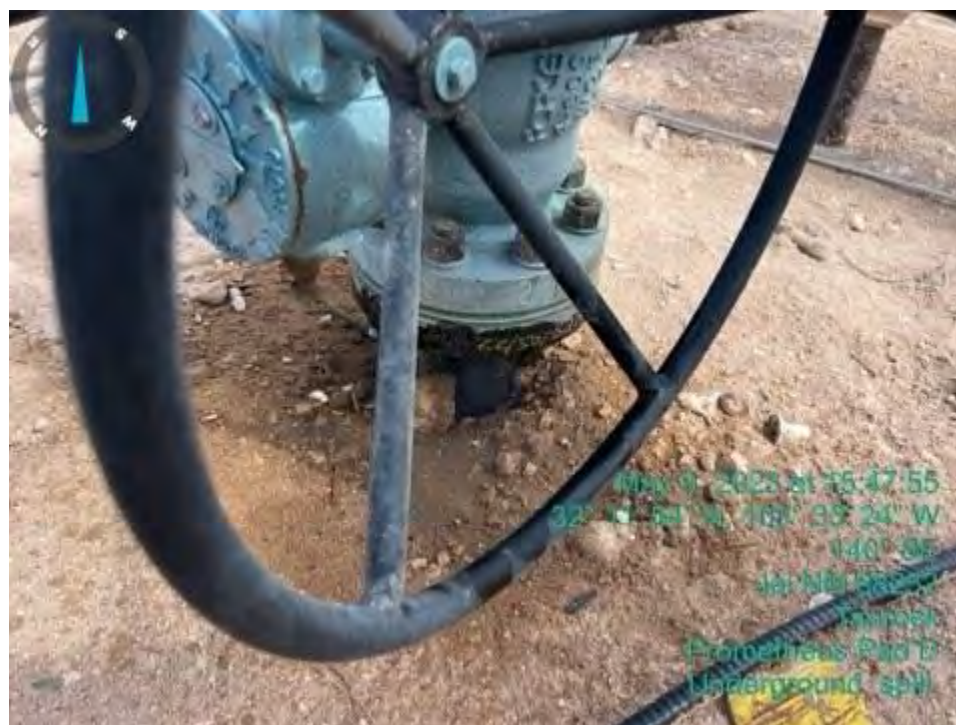
CONDITIONS

Created By	Condition	Condition Date
jharimon	None	5/12/2023



JACKSON UNIT #918H
INITIAL SITE PHOTOS









Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition

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

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

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

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

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

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

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

Reference:

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

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



**Natural Resources
Conservation Service**

Web Soil Survey
National Cooperative Soil Survey

5/31/2024
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Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition---Lea County, New Mexico

JACKSON UNIT #918H

Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition--Lea County, New Mexico								
Map unit symbol and soil name	Ecological Site, Plant Association, or Habitat Type	Total dry-weight production			Characteristic rangeland or forest understory vegetation	Composition		
		Favorable year	Normal year	Unfavorable year			Rangeland	Forest understory
		Lb/ac	Lb/ac	Lb/ac		Pct dry wt	Pct dry wt	
SR—Simona-Upton association								
Simona	Shallow Sandy (R070BD002NM)	900	550	200	black grama	25		
					sideoats grama	20		
					blue grama	10		
					other perennial forbs	10		
					dropseed	5		
					Hesperostipa neomexicana	5		
					other shrubs	5		
					other perennial grasses	5		
					threeawn	5		
					featherplume	3		
					yucca	2		
Upton	Shallow (R070BC025NM)	500	350	200	black grama	15		
					other shrubs	15		
					other annual forbs	15		
					creosote bush	10		
					gypsum grama	10		
					other perennial grasses	10		
					burrograss	5		
					bush muhly	5		
					other perennial forbs	5		
					slim tridens	5		
					sand dropseed	3		
					mesa dropseed	2		



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

5/31/2024
Page 4 of 5

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

JACKSON UNIT #918H

Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition—Lea County, New Mexico								
Map unit symbol and soil name	Ecological Site, Plant Association, or Habitat Type	Total dry-weight production			Characteristic rangeland or forest understory vegetation	Composition		
		Favorable year	Normal year	Unfavorable year			Rangeland	Forest understory
		Lb/ac	Lb/ac	Lb/ac		Pct dry wt	Pct dry wt	
TF—Tonuco loamy fine sand, 0 to 3 percent slopes								
Tonuco	Shallow 12-17" PZ (R077DY048TX)	1,300	900	600	sideoats grama	25		
					black grama	15		
					little bluestem	15		
					other perennial forbs	10		
					blue grama	5		
					buffalograss	5		
					hairy grama	5		
					other shrubs	5		
					other perennial grasses	5		
					sand dropseed	5		
					New Mexico Feathergrass	3		
					yucca	2		

Data Source Information

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 20, Sep 6, 2023

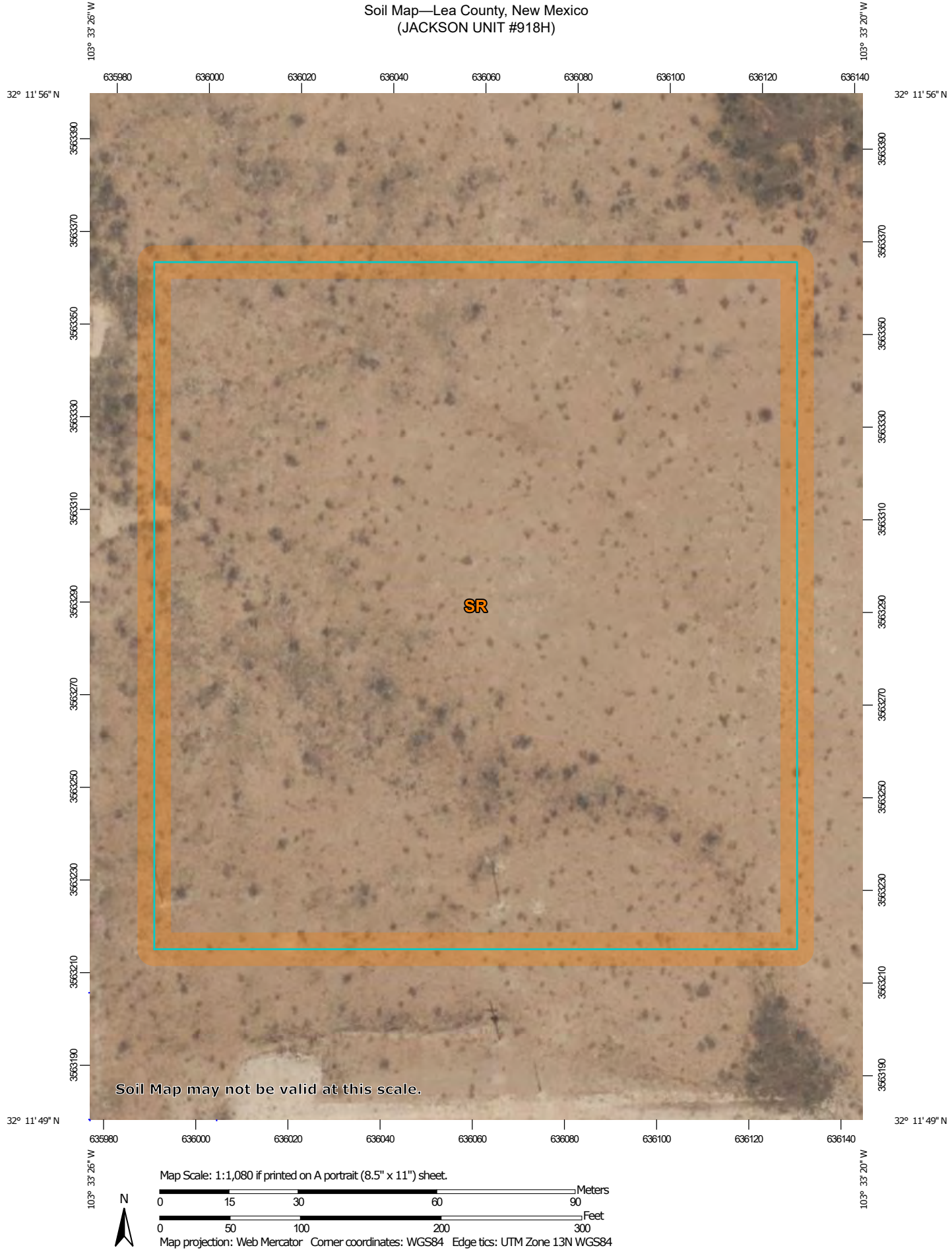


Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

5/31/2024
Page 5 of 5

Soil Map—Lea County, New Mexico
(JACKSON UNIT #918H)



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

5/30/2024
Page 1 of 3

Soil Map—Lea County, New Mexico
(JACKSON UNIT #918H)

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

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

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

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

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

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 20, Sep 6, 2023

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

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

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

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
SR	Simona-Upton association	5.1	100.0%
Totals for Area of Interest		5.1	100.0%

National Flood Hazard Layer FIRMMette



103°33'43"W 32°12'8"N



1:6,000

103°33'5"W 32°11'38"N

Legend

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

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



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/30/2024 at 5:13 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.







New Mexico Office of the State Engineer

Wells with Well Log Information

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

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

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

(NAD83 UTM in meters)

(in feet)

POD Number	POD Sub-Code	basin	County	Source	q 6	q 4	q 1	Sec	Tws	Rng	X	Y	Distance	Start Date	Finish Date	Log File Date	Depth Well	Depth Water	Driller	License Number
C 04339 POD1	CUB	LE			1	3	3	23	24S	33E	636525	3563309	478	08/01/2019	08/02/2019	08/22/2019	47		CURRIE, SHANEG..TY" ENER	1575
C 04339 POD8	CUB	LE			1	1	3	23	24S	33E	636519	3563681	601	07/31/2019	07/31/2019	08/22/2019	30		CURRIE, SHANEG..TY" ENER	1575
C 04339 POD2	CUB	LE			2	3	3	23	24S	33E	636789	3563315	742	08/06/2019	08/06/2019	08/22/2019			CURRIE, SHANEG..TY" ENER	1575
C 04339 POD7	CUB	LE			4	4	2	23	24S	33E	636473	3564011	821	07/31/2019	07/31/2019	08/22/2019	43		CURRIE, SHANEG..TY" ENER	1575

Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 636046.69

Northing (Y): 3563309.14

Radius: 1000

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



New Mexico Office of the State Engineer

Wells with Well Log Information

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(in feet)

POD Number	POD Sub-Code	basin	County	Source	q 6	q 4	q 1	Sec	Tws	Rng	X	Y	Distance	Start Date	Finish Date	Log File Date	Depth Well	Depth Water	Driller	License Number
C 04339 POD1	CUB	LE			1	3	3	23	24S	33E	636525	3563309	478	08/01/2019	08/02/2019	08/22/2019	47		CURRIE, SHANEG..TY" ENER	1575
C 04339 POD8	CUB	LE			1	1	3	23	24S	33E	636519	3563681	601	07/31/2019	07/31/2019	08/22/2019	30		CURRIE, SHANEG..TY" ENER	1575
C 04339 POD2	CUB	LE			2	3	3	23	24S	33E	636789	3563315	742	08/06/2019	08/06/2019	08/22/2019			CURRIE, SHANEG..TY" ENER	1575
C 04339 POD7	CUB	LE			4	4	2	23	24S	33E	636473	3564011	821	07/31/2019	07/31/2019	08/22/2019	43		CURRIE, SHANEG..TY" ENER	1575
C 03600 POD4	CUB	LE	Shallow		3	3	1	26	24S	33E	636617	3562293	1164	01/08/2013	01/08/2013	01/30/2013			RODNEY HAMMER	1186
C 04339 POD3	CUB	LE			2	4	3	23	24S	33E	637273	3563323	1226	08/06/2019	08/06/2019	08/22/2019	38		CURRIE, SHANEG..TY" ENER	1575
C 04339 POD4	CUB	LE			2	4	3	23	24S	33E	637273	3563323	1226	08/06/2019	08/07/2019	08/22/2019	47		CURRIE, SHANEG..TY" ENER	1575
C 03600 POD1	CUB	LE	Shallow		2	2	1	26	24S	33E	637275	3563023	1261	01/07/2013	01/07/2013	01/30/2013			RODNEY HAMMER	1186
C 03600 POD7	CUB	LE	Shallow		3	1	3	26	24S	33E	636726	3561968	1503	01/08/2013	01/09/2013	01/30/2013			RODNEY HAMMER	1186
C 04339 POD5	CUB	LE			2	3	4	23	24S	33E	637580	3563328	1533	08/06/2019	08/07/2019	08/22/2019	54		CURRIE, SHANEG..TY" ENER	1575
C 04339 POD10	CUB	LE			4	1	4	23	24S	33E	637688	3563503	1652	08/01/2019	08/01/2019	08/22/2019	49		CURRIE, SHANEG..TY" ENER	1575
C 04339 POD6	CUB	LE			3	1	2	23	24S	33E	637340	3564386	1683	07/31/2019	07/31/2019	08/22/2019	60		CURRIE, SHANEG..TY" ENER	1575
C 03662 POD1	C	LE	Shallow		3	1	2	23	24S	33E	637342	3564428	1712	08/19/2013	08/20/2013	09/16/2013	550	110	JOHN SIRMAN	1654
C 03565 POD9	CUB	LE			4	4	15	24S	33E	33E	636430	3565005	1739			04/02/2013				
C 03601 POD6	CUB	LE	Shallow		1	4	4	23	24S	33E	637834	3563338	1787	01/05/2013	01/05/2013	01/30/2013			RODNEY HAMMER	1186
C 04339 POD9	CUB	LE			3	4	2	23	24S	33E	637731	3563913	1789	08/01/2019	08/01/2019	08/22/2019	45		CURRIE, SHANEG..TY" ENER	1575




















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

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

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

(NAD83 UTM in meters)

(in feet)

	POD		q q q										Log File				Depth	Depth		License	
POD Number	Code	basin	County	Source	6416	4	Sec	Tws	Rng	X	Y	Distance	Start Date	Finish Date	Date	Well	Water	Driller	Number		
C 03601 POD2	CUB	LE	Shallow		3	2	4	23	24S	33E	637846	3563588		1820	01/06/2013	01/07/2013	01/30/2013			RODNEY HAMMER	1186
C 03600 POD6	CUB	LE	Shallow		3	1	4	26	24S	33E	637383	3562026		1852	01/09/2013	01/09/2013	01/30/2013			RODNEY HAMMER	1186
C 04708 POD1	CUB	LE			1	3	4	21	24S	33E	634149	3563262		1898	03/23/2023	03/27/2023	06/23/2023	100		JOE SKAGGS	1453
C 03601 POD7	CUB	LE	Shallow		4	4	4	23	24S	33E	637946	3563170		1904	01/05/2013	01/05/2013	01/30/2013			RODNEY HAMMER	1186
C 03601 POD5	CUB	LE	Shallow		2	4	4	23	24S	33E	637988	3563334		1941	01/06/2013	01/06/2013	01/30/2013			RODNEY HAMMER	1186
C 03600 POD3	CUB	LE	Shallow		3	4	2	26	24S	33E	637784	3562340		1989	01/16/2013	01/16/2013	01/30/2013			RODNEY HAMMER	1186
C 03601 POD3	CUB	LE	Shallow		1	3	3	24	24S	33E	638142	3563413		2097	01/06/2013	01/06/2013	01/30/2013			RODNEY HAMMER	1186
C 03601 POD1	CUB	LE	Shallow		4	4	2	23	24S	33E	638124	3563937		2170	12/21/2012	12/21/2012	01/08/2013			RODNEY HAMMER	1186
C 03600 POD5	CUB	LE	Shallow		3	2	4	26	24S	33E	637857	3562020		2222	01/09/2013	01/09/2013	01/30/2013			RODNEY HAMMER	1186
C 03565 POD8	CUB	LE			4	1	15		24S	33E	635485	3565610		2368		04/02/2013					
C 03603 POD3	CUB	LE	Shallow		4	1	1	35	24S	33E	636890	3561092		2371	01/13/2013	01/13/2013	01/30/2013			RODNEY HAMMER	1186
C 03603 POD2	CUB	LE	Shallow		3	1	2	35	24S	33E	637384	3561167		2525	01/11/2013	01/11/2013	01/30/2013			RODNEY HAMMER	1186
C 03603 POD5	CUB	LE	Shallow		3	3	2	35	24S	33E	636745	3560767		2635	01/12/2013	01/13/2013	01/30/2013			RODNEY HAMMER	1186
C 03603 POD1	CUB	LE	Shallow		3	2	2	35	24S	33E	637805	3561225		2726	01/10/2013	01/10/2013	01/30/2013			RODNEY HAMMER	1186
C 03601 POD4	CUB	LE	Shallow		3	3	3	24	24S	33E	638162	3561375		2866	01/03/2013	01/04/2013	01/30/2013			RODNEY HAMMER	1186
C 03600 POD2	CUB	LE	Shallow		4	4	1	25	24S	33E	638824	3562329		2945	01/07/2013	01/08/2013	01/30/2013			RODNEY HAMMER	1186
C 03602 POD2	CUB	LE	Shallow		4	4	1	25	24S	33E	638824	3562329		2945	01/15/2013	01/15/2013	01/30/2013			RODNEY HAMMER	1186
C 03603 POD6	CUB	LE	Shallow		3	1	3	35	24S	33E	636749	3560447		2946	01/13/2013	01/13/2013	01/30/2013			RODNEY HAMMER	1186
C 03917 POD1	C	LE	Shallow		4	1	3	13	24S	33E	638374	3565212		3006	03/01/2016	03/04/2016	03/11/2016	600	420	CASE KEY	1058
C 03603 POD4	CUB	LE	Shallow		3	2	4	35	24S	33E	637789	3560461		3338	01/14/2013	01/14/2013	01/30/2013			RODNEY HAMMER	1186





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C=the file is
closed)

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

(NAD83 UTM in meters)

(in feet)

POD Number	POD Sub-		Source	q q q				Tws	Rng	X	Y	Distance	Start Date	Finish Date	Log File		Depth Well	Depth Water	Driller	License Number
	Code	basin		6	4	1	2								Date	Date				
C 04824 POD1	CUB	LE		1	1	2	16	24S	33E	634113	3566203		3481	04/16/2024	04/16/2024	04/25/2024	105		JASON MALEY	1833
C 03666 POD1	C	LE	Shallow	2	3	4	13	24S	33E	639132	3565078		3556	10/18/2013	10/26/2013	11/14/2013	650	390	CASEY KEYS	1058
C 04741 POD1	CUB	LE		1	2	4	10	24S	33E	636076	3567039		3730	05/08/2023	05/11/2023	06/15/2023	55		JOHN W WHITE	1456
C 03565 POD3	CUB	LE		3	4		08	24S	33E	632763	3566546		4611	09/27/2012	10/21/2012	12/11/2012		1533	STEWART, PHILLIP D. (LD)	331

Record Count: 40

UTMNAD83 Radius Search (in meters):

Easting (X): 636046.69

Northing (Y): 3563309.14

Radius: 5000


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New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04339 POD1	1	3	3	23	24S	33E	636525	3563309 

Driller License: 1575	Driller Company: CURRIE DRILLING COMPANY, INC	
Driller Name: CURRIE, SHANEG..TY"ENER		
Drill Start Date: 08/01/2019	Drill Finish Date: 08/02/2019	Plug Date: 08/02/2019
Log File Date: 08/22/2019	PCW Rcv Date:	Source:
Pump Type:	Pipe Discharge Size:	Estimated Yield:
Casing Size:	Depth Well: 47 feet	Depth Water:

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.

5/31/24 8:53 AM

Page 1 of 1


POD SUMMARY - C 04339 POD1



New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04339 POD8	1	1	3	23	24S	33E	636519	3563681 

Driller License: 1575	Driller Company: CURRIE DRILLING COMPANY, INC	
Driller Name: CURRIE, SHANEG..TY"ENER		
Drill Start Date: 07/31/2019	Drill Finish Date: 07/31/2019	Plug Date: 07/31/2019
Log File Date: 08/22/2019	PCW Rcv Date:	Source:
Pump Type:	Pipe Discharge Size:	Estimated Yield:
Casing Size:	Depth Well: 30 feet	Depth Water:

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Page 1 of 1


POD SUMMARY - C 04339 POD8



New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04339 POD2	2	3	3	23	24S	33E	636789	3563315 

Driller License: 1575	Driller Company: CURRIE DRILLING COMPANY, INC	
Driller Name: CURRIE, SHANEG..TY"ENER		
Drill Start Date: 08/06/2019	Drill Finish Date: 08/06/2019	Plug Date: 08/06/2019
Log File Date: 08/22/2019	PCW Rcv Date:	Source:
Pump Type:	Pipe Discharge Size:	Estimated Yield:
Casing Size:	Depth Well:	Depth Water:

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

5/31/24 8:55 AM

Page 1 of 1


POD SUMMARY - C 04339 POD2



New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04339 POD7	4	4	2	23	24S	33E	636473	3564011 

Driller License: 1575	Driller Company: CURRIE DRILLING COMPANY, INC	
Driller Name: CURRIE, SHANEG..TY"ENER		
Drill Start Date: 07/31/2019	Drill Finish Date: 07/31/2019	Plug Date: 07/31/2019
Log File Date: 08/22/2019	PCW Rcv Date:	Source:
Pump Type:	Pipe Discharge Size:	Estimated Yield:
Casing Size:	Depth Well: 43 feet	Depth Water:

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5/31/24 8:55 AM


Page 1 of 1

POD SUMMARY - C 04339 POD7



New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE)						(NAD83 UTM in meters)	
		(quarters are smallest to largest)						X	Y
		Q64	Q16	Q4	Sec	Tws	Rng		
C	03600 POD4	3	3	1	26	24S	33E	636617	3562293 

Driller License:	1186	Driller Company:	NOT FOR HIRE
Driller Name:	RODNEY HAMMER		
Drill Start Date:	01/08/2013	Drill Finish Date:	01/08/2013
Log File Date:	01/30/2013	PCW Rcv Date:	
Pump Type:		Pipe Discharge Size:	
Casing Size:		Depth Well:	
		Plug Date:	
		Source:	Shallow
		Estimated Yield:	
		Depth Water:	

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

TAP ROCK

JACKSON UNIT #918H
GROUNDWATER MAP

Legend

- C03600 POD4-1,164-NO DGW INFO
- C04339 POD1-478- NO DGW INFO
- C04339 POD2-742-NO DGW INFO
- C04339 POD7-821-NO DGW INFO
- C04339 POD8-601-NO DGW INFO
- JACKSON UNIT 918H



Targa Red Hills Gas Plant Main truck Entrance

C04339 POD7-821-NO DGW INFO

C04339 POD8-601-NO DGW INFO

JACKSON UNIT 918H
C04339 POD1-478- NO DGW INFO
C04339 POD2-742-NO DGW INFO

SW3
SW4
SP6

C03600 POD4-1,164-NO DGW INFO

Hearns pit



OSE POD Location Map



6/18/2024, 8:16:40 AM

GIS WATERS PODs

- Active
- Plugged

OSE District Boundary

Water Right Regulations

Closure Area

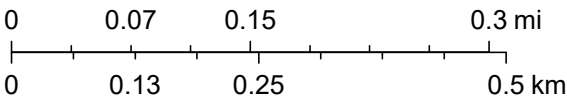
New Mexico State Trust Lands

Both Estates

NHD Flowlines

Stream River

1:9,028



Esri, HERE, iPC, Esri, HERE, Garmin, iPC, Maxar

Company Name: **TAPROCK**Location Name: **JACKSON 918H**

Release Date:

SP ID	Depth	Titre	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Soil
SP1	SURF	>4000	H	ND	ND	36100	29600	65700	21800	
	1	1200								
	2	1040								
	3	480								
	4	400								
	5	320								
	6	320	L	ND	ND	ND	ND	ND	219	
SP2	SURF	>4000	H	ND	ND	35600	26300	61900	10400	
	1	1840								
	2	1920								
	3	1440								
	4	560								
	5	400								
	6	240	L	ND	ND	ND	ND	ND	ND	
SP3	SURF	>4000	H	4.1	43.2	22800	13900	36743.2	69900	
	1	320								
	2	240								
	3	80	L	ND	ND	ND	ND	ND	21	
SP4	SURF	>4000	H	ND	ND	24500	51500	76000	36900	
	1	560								
	2	400								
	3	320	L	ND	ND	ND	ND	ND	105	
SP5	SURF	>4000	H	ND	ND	30100	45700	75800	11000	
	1	480								
	2	320								
	3	160	L	ND	ND	ND	ND	ND	67.3	

SP6	SURF	>4000	H	0.209	ND	28400	38000	66400	44100	
	1	800								
	2	560								
	3	400								
	4	320	L	ND	ND	ND	ND	ND	ND	
SW1	SURF	>4000	H	ND	ND	11100	3510	14610	5260	
	1	80								
	2	80	L	ND	ND	ND	ND	ND	51.3	
SW2	SURF	>4000	H	ND	ND	12900	19700	32600	5040	
	1	80								
	2	80	L	ND	ND	ND	ND	ND	ND	
SW3	SURF	2320	H	ND	ND	1730	1810	3540	2760	
	1	80								
	2	80	L	ND	ND	ND	ND	ND	ND	
SW4	SURF	3280	H	ND	ND	7030	2180	9210	3540	
	1	80								
	2	80	L	ND	ND	ND	ND	ND	ND	
SW5	SURF	>4000	H	ND	ND	5770	4690	10460	4990	
	1	80								
	2	80	L	ND	ND	ND	ND	ND	ND	
SW6	SURF	>4000	H	ND	ND	3550	2340	5890	8940	
	1	80								
	2	80	L	ND	ND	ND	ND	ND	ND	
SW7	SURF	>4000	H	ND	ND	4120	4720	8840	13000	
	1	80								
	2	80	L	ND	ND	ND	ND	ND	ND	

SW8	SURF	>4000	H	ND	ND	6520	5480	12000	8490	
	1	80								
	2	80	L	ND	ND	ND	ND	ND	ND	
B1	SURF	>4000	H	ND	ND	26900	22300	49200	19400	
	1' (7')	>4000								
	2' (8')	>4000								
	3' (9')	>4000								
	4' (10')	>4000								
	5' (11')	>4000								
	6' (12')	3440								
	7' (13')	2320								
	8' (14')	1200								
	9' (15')	720								
	10' (16')	480								
	11' (17')	400								
	12' (18')	240								
	13' (19')	80	L	ND	ND	ND	ND	ND	92.1	
B2	SURF	>4000	H	0.185	ND	30200	35600	65800	43700	
	1' (7')	2000								
	2' (8')	>4000								
	3' (9')	2400								
	4' (10')	750								
	5' (11')	480								
	6' (12')	240								
	7' (13')	160								
	8' (14')	160								
	9' (15')	80								
	10' (16')	80								
	11' (17')	80								
	12' (18')	80								
	13' (19')	80	L	ND	ND	ND	ND	ND	176	

B3	SURF	>4000	H	0.4	ND	21700	13200	34900	81400	
	1' (7')	880								
	2' (8')	640								
	3' (9')	640								
	4' (10')	480								
	5' (11')	480								
	6' (12')	320								
	7' (13')	240								
	8' (14')	160								
	9' (15')	160								
	10' (16')	80								
	11' (17')	80								
	12' (18')	80								
	13' (19')	80	L	ND	ND	ND	ND	ND	141	
B4	SURF	>4000	H	0.201	ND	26000	59000	85000	33100	
	2' (8')	3120								
	3' (9')	3360								
	4' (10')	3680								
	5' (11')	2800								
	6' (12')	2080								
	7' (13')	1440								
	8' (14')	1040								
	9' (15')	720								
	10' (16')	560								
	11' (17')	400								
	12' (18')	240								
	13' (19')	80	L	ND	ND	ND	ND	ND	134	

TAP ROCK

JACKSON UNIT #918H
DELINEATION MAP

Legend

- HORIZONTAL SAMPLE POINTS
- Taprock Prometheus State Com 918H 3601 SQ. FT.
- VERTICAL SAMPLE POINTS



COMPANY: TAP ROCK**LOCATION: JACKSON UNIT #918H**

POINT	LATITUDE	LONGITUDE
SP1	32.198261°	-103.556587°
SP2	32.198265°	-103.556675°
SP3	32.198270°	-103.556743°
SP4	32.198176°	-103.556738°
SP5	32.198173°	-103.556654°
SP6	32.198174°	-103.556574°
SW1	32.198290°	-103.556600°
SW2	32.198290°	-103.556736°
SW3	32.198257°	-103.556760°
SW4	32.198185°	-103.556773°
SW5	32.198147°	-103.556720°
SW6	32.198143°	-103.556591°
SW7	32.198184°	-103.556541°
SW8	32.198260°	-103.556544°

Report to:
Natalie Gladden



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Tap Rock

Project Name: Jackson 918 H

Work Order: E305078

Job Number: 20046-0001

Received: 5/15/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/16/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 5/16/23

Natalie Gladden
7 W. Compress Road
Artesia, NM 88210



Project Name: Jackson 918 H
Workorder: E305078
Date Received: 5/15/2023 5:00:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/15/2023 5:00:00AM, under the Project Name: Jackson 918 H.

The analytical test results summarized in this report with the Project Name: Jackson 918 H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Sample Summary

Tap Rock	Project Name:	Jackson 918 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	05/16/23 16:59

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP1 -SURF	E305078-01A	Soil	05/11/23	05/15/23	Glass Jar, 2 oz.
SP2 -SURF	E305078-02A	Soil	05/11/23	05/15/23	Glass Jar, 2 oz.
SP3 -SURF	E305078-03A	Soil	05/11/23	05/15/23	Glass Jar, 2 oz.
SP4 -SURF	E305078-04A	Soil	05/11/23	05/15/23	Glass Jar, 2 oz.
SP5 -SURF	E305078-05A	Soil	05/11/23	05/15/23	Glass Jar, 2 oz.
SP6 -SURF	E305078-06A	Soil	05/11/23	05/15/23	Glass Jar, 2 oz.



Sample Data

Tap Rock	Project Name:	Jackson 918 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	5/16/2023 4:59:33PM

SP1 -SURF

E305078-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2320001	
Benzene	ND	0.0500	2	05/15/23	05/15/23	
Ethylbenzene	ND	0.0500	2	05/15/23	05/15/23	
Toluene	ND	0.0500	2	05/15/23	05/15/23	
o-Xylene	ND	0.0500	2	05/15/23	05/15/23	
p,m-Xylene	ND	0.100	2	05/15/23	05/15/23	
Total Xylenes	ND	0.0500	2	05/15/23	05/15/23	
Surrogate: 4-Bromochlorobenzene-PID	93.2 %	70-130		05/15/23	05/15/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2320001	
Gasoline Range Organics (C6-C10)	ND	40.0	2	05/15/23	05/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.2 %	70-130		05/15/23	05/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2320011	
Diesel Range Organics (C10-C28)	36100	2500	100	05/15/23	05/16/23	
Oil Range Organics (C28-C36)	29600	5000	100	05/15/23	05/16/23	
Surrogate: n-Nonane	128 %	50-200		05/15/23	05/16/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2319070	
Chloride	21800	1000	50	05/15/23	05/15/23	



Sample Data

Tap Rock	Project Name:	Jackson 918 H	Reported: 5/16/2023 4:59:33PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP2 -SURF
E305078-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2320001	
Benzene	ND	0.0500	2	05/15/23	05/15/23	
Ethylbenzene	0.0787	0.0500	2	05/15/23	05/15/23	
Toluene	ND	0.0500	2	05/15/23	05/15/23	
o-Xylene	ND	0.0500	2	05/15/23	05/15/23	
p,m-Xylene	ND	0.100	2	05/15/23	05/15/23	
Total Xylenes	ND	0.0500	2	05/15/23	05/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.4 %	70-130		05/15/23	05/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2320001	
Gasoline Range Organics (C6-C10)	ND	40.0	2	05/15/23	05/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.2 %	70-130		05/15/23	05/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2320011	
Diesel Range Organics (C10-C28)	35600	2500	100	05/15/23	05/16/23	
Oil Range Organics (C28-C36)	26300	5000	100	05/15/23	05/16/23	
<i>Surrogate: n-Nonane</i>						
	119 %	50-200		05/15/23	05/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2319070	
Chloride	10400	1000	50	05/15/23	05/15/23	



Sample Data

Tap Rock	Project Name:	Jackson 918 H	Reported: 5/16/2023 4:59:33PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP3 -SURF
E305078-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2320001	
Benzene	ND	0.0500	2	05/15/23	05/15/23	
Ethylbenzene	0.535	0.0500	2	05/15/23	05/15/23	
Toluene	0.512	0.0500	2	05/15/23	05/15/23	
o-Xylene	1.10	0.0500	2	05/15/23	05/15/23	
p,m-Xylene	3.00	0.100	2	05/15/23	05/15/23	
Total Xylenes	4.10	0.0500	2	05/15/23	05/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.8 %	70-130		05/15/23	05/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2320001	
Gasoline Range Organics (C6-C10)	43.2	40.0	2	05/15/23	05/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.9 %	70-130		05/15/23	05/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2320011	
Diesel Range Organics (C10-C28)	22800	2500	100	05/15/23	05/16/23	
Oil Range Organics (C28-C36)	13900	5000	100	05/15/23	05/16/23	
<i>Surrogate: n-Nonane</i>						
	135 %	50-200		05/15/23	05/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2319070	
Chloride	69900	2000	100	05/15/23	05/15/23	



Sample Data

Tap Rock	Project Name:	Jackson 918 H	Reported: 5/16/2023 4:59:33PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP4 -SURF
E305078-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2320001	
Benzene	ND	0.0500	2	05/15/23	05/15/23	
Ethylbenzene	0.0798	0.0500	2	05/15/23	05/15/23	
Toluene	0.168	0.0500	2	05/15/23	05/15/23	
o-Xylene	ND	0.0500	2	05/15/23	05/15/23	
p,m-Xylene	ND	0.100	2	05/15/23	05/15/23	
Total Xylenes	ND	0.0500	2	05/15/23	05/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.2 %	70-130		05/15/23	05/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2320001	
Gasoline Range Organics (C6-C10)	ND	40.0	2	05/15/23	05/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.8 %	70-130		05/15/23	05/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2320011	
Diesel Range Organics (C10-C28)	24500	2500	100	05/15/23	05/16/23	
Oil Range Organics (C28-C36)	51500	5000	100	05/15/23	05/16/23	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		05/15/23	05/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2319070	
Chloride	36900	2000	100	05/15/23	05/15/23	



Sample Data

Tap Rock	Project Name:	Jackson 918 H	Reported: 5/16/2023 4:59:33PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP5 -SURF
E305078-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2320001	
Benzene	ND	0.0500	2	05/15/23	05/15/23	
Ethylbenzene	ND	0.0500	2	05/15/23	05/15/23	
Toluene	ND	0.0500	2	05/15/23	05/15/23	
o-Xylene	ND	0.0500	2	05/15/23	05/15/23	
p,m-Xylene	ND	0.100	2	05/15/23	05/15/23	
Total Xylenes	ND	0.0500	2	05/15/23	05/15/23	
Surrogate: 4-Bromochlorobenzene-PID	94.7 %	70-130		05/15/23	05/15/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2320001	
Gasoline Range Organics (C6-C10)	ND	40.0	2	05/15/23	05/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.2 %	70-130		05/15/23	05/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2320011	
Diesel Range Organics (C10-C28)	30100	2500	100	05/15/23	05/16/23	
Oil Range Organics (C28-C36)	45700	5000	100	05/15/23	05/16/23	
Surrogate: n-Nonane		%	50-200	05/15/23	05/16/23	S6
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2319070	
Chloride	11000	1000	50	05/15/23	05/15/23	



Sample Data

Tap Rock	Project Name:	Jackson 918 H	Reported: 5/16/2023 4:59:33PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP6 -SURF
E305078-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2320001	
Benzene	ND	0.0500	2	05/15/23	05/15/23	
Ethylbenzene	ND	0.0500	2	05/15/23	05/15/23	
Toluene	ND	0.0500	2	05/15/23	05/15/23	
o-Xylene	ND	0.0500	2	05/15/23	05/15/23	
p,m-Xylene	0.209	0.100	2	05/15/23	05/15/23	
Total Xylenes	0.209	0.0500	2	05/15/23	05/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.5 %	70-130		05/15/23	05/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2320001	
Gasoline Range Organics (C6-C10)	ND	40.0	2	05/15/23	05/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.0 %	70-130		05/15/23	05/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2320011	
Diesel Range Organics (C10-C28)	28400	2500	100	05/15/23	05/16/23	
Oil Range Organics (C28-C36)	38000	5000	100	05/15/23	05/16/23	
<i>Surrogate: n-Nonane</i>						
	%	50-200		05/15/23	05/16/23	S6
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2319070	
Chloride	44100	2000	100	05/15/23	05/15/23	



QC Summary Data

Tap Rock	Project Name:	Jackson 918 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	5/16/2023 4:59:33PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2320001-BLK1) Prepared: 05/15/23 Analyzed: 05/15/23

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	7.52		8.00		94.0	70-130			

LCS (2320001-BS1) Prepared: 05/15/23 Analyzed: 05/15/23

Benzene	4.22	0.0250	5.00		84.4	70-130			
Ethylbenzene	4.44	0.0250	5.00		88.8	70-130			
Toluene	4.49	0.0250	5.00		89.8	70-130			
o-Xylene	4.55	0.0250	5.00		91.1	70-130			
p,m-Xylene	9.05	0.0500	10.0		90.5	70-130			
Total Xylenes	13.6	0.0250	15.0		90.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.59		8.00		94.8	70-130			

Matrix Spike (2320001-MS1) Source: E305081-01 Prepared: 05/15/23 Analyzed: 05/15/23

Benzene	4.54	0.0250	5.00	ND	90.8	54-133			
Ethylbenzene	4.76	0.0250	5.00	ND	95.1	61-133			
Toluene	4.82	0.0250	5.00	ND	96.4	61-130			
o-Xylene	4.86	0.0250	5.00	ND	97.1	63-131			
p,m-Xylene	9.66	0.0500	10.0	ND	96.6	63-131			
Total Xylenes	14.5	0.0250	15.0	ND	96.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.70		8.00		96.2	70-130			

Matrix Spike Dup (2320001-MSD1) Source: E305081-01 Prepared: 05/15/23 Analyzed: 05/15/23

Benzene	4.31	0.0250	5.00	ND	86.2	54-133	5.18	20	
Ethylbenzene	4.51	0.0250	5.00	ND	90.2	61-133	5.31	20	
Toluene	4.58	0.0250	5.00	ND	91.5	61-130	5.25	20	
o-Xylene	4.64	0.0250	5.00	ND	92.9	63-131	4.46	20	
p,m-Xylene	9.18	0.0500	10.0	ND	91.8	63-131	5.13	20	
Total Xylenes	13.8	0.0250	15.0	ND	92.1	63-131	4.91	20	
Surrogate: 4-Bromochlorobenzene-PID	7.73		8.00		96.6	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson 918 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	5/16/2023 4:59:33PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2320001-BLK1) Prepared: 05/15/23 Analyzed: 05/15/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		8.00		92.6	70-130			

LCS (2320001-BS2) Prepared: 05/15/23 Analyzed: 05/15/23

Gasoline Range Organics (C6-C10)	46.1	20.0	50.0		92.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		8.00		96.9	70-130			

Matrix Spike (2320001-MS2) Source: E305081-01 Prepared: 05/15/23 Analyzed: 05/15/23

Gasoline Range Organics (C6-C10)	45.7	20.0	50.0	ND	91.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		8.00		96.8	70-130			

Matrix Spike Dup (2320001-MSD2) Source: E305081-01 Prepared: 05/15/23 Analyzed: 05/15/23

Gasoline Range Organics (C6-C10)	47.0	20.0	50.0	ND	93.9	70-130	2.82	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.48		8.00		93.5	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson 918 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	5/16/2023 4:59:33PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2320011-BLK1)					Prepared: 05/15/23 Analyzed: 05/15/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	61.4		50.0		123	50-200			

LCS (2320011-BS1)					Prepared: 05/15/23 Analyzed: 05/15/23				
Diesel Range Organics (C10-C28)	303	25.0	250		121	38-132			
Surrogate: n-Nonane	51.9		50.0		104	50-200			

Matrix Spike (2320011-MS1)					Source: E305081-06		Prepared: 05/15/23 Analyzed: 05/15/23		
Diesel Range Organics (C10-C28)	296	25.0	250	ND	118	38-132			
Surrogate: n-Nonane	49.9		50.0		99.8	50-200			

Matrix Spike Dup (2320011-MSD1)					Source: E305081-06		Prepared: 05/15/23 Analyzed: 05/15/23		
Diesel Range Organics (C10-C28)	297	25.0	250	ND	119	38-132	0.537	20	
Surrogate: n-Nonane	50.4		50.0		101	50-200			



QC Summary Data

Tap Rock	Project Name:	Jackson 918 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	5/16/2023 4:59:33PM

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2319070-BLK1)					Prepared: 05/15/23 Analyzed: 05/15/23				
Chloride	ND	20.0							
LCS (2319070-BS1)					Prepared: 05/15/23 Analyzed: 05/15/23				
Chloride	250	20.0	250		99.8	90-110			
Matrix Spike (2319070-MS1)					Source: E305050-01		Prepared: 05/15/23 Analyzed: 05/15/23		
Chloride	260	20.0	250	ND	104	80-120			
Matrix Spike Dup (2319070-MSD1)					Source: E305050-01		Prepared: 05/15/23 Analyzed: 05/15/23		
Chloride	261	20.0	250	ND	104	80-120	0.382	20	

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



Definitions and Notes

Tap Rock	Project Name:	Jackson 918 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	05/16/23 16:59

- S6 Surrogate was diluted out due to high concentrations of target and/or non-target analytes and does not provide useful information. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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

Project Information

Chain of Custody

Page 1 of 1

Client: TAPROCK					Bill To					Lab Use Only					TAT				EPA Program																														
Project: JACKSON 918 H					Attention: ESS					Lab WO# E 305078					Job Number 20046-0001				1D	2D	3D	Standard	CWA	SDWA																									
Project Manager: Natalie Gboden					Address: 2724 NW COUNTY ROAD					Analysis and Method									RCRA																														
Address:					City, State, Zip HOBBS, NM 88240																																												
City, State, Zip					Phone: 575-393-9048					DRO/DRO by 8015					GRO/DRO by 8015					BTEX by 8021					VOC by 8260					Metals 6010					Chloride 300.0					RGDOC NM					RGDOC TX				
Phone:					EMAIL TO: Natalie@energystaffingllc.com																																												
Email:					Dakoatah@energystaffingllc.com					State					NM					CO					UT					AZ					TX														
Report due by:																																																	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Use Only	Remarks																																											
	5/11/23	S	1	SP1-S4RF	1																																												
				SP2-S4RF	2																																												
				SP3-S4RF	3																																												
				SP4-S4RF	4																																												
				SP5-S4RF	5																																												
	5/11/23	S	1	SP6-S4RF	6																																												

Additional Instructions:

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

Sampled by: **M. RIVERA**

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<i>[Signature]</i>	5/11/23		<i>[Signature]</i>	5-12-23	1230
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<i>Michelle Genge</i>	5-12-23	1700	<i>Andrew mssso</i>	5-12-23	1706
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<i>Andrew mssso</i>	5-12-23	2300	<i>[Signature]</i>	5/15/23	5:00

Lab Use Only		
Received on ice:	Y	N
T1	T2	T3
4°C		

Envirotech Analytical Laboratory

Printed: 5/15/2023 6:40:31AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Tap Rock	Date Received:	05/15/23 05:00	Work Order ID:	E305078
Phone:	(575) 390-6397	Date Logged In:	05/15/23 06:38	Logged In By:	Alexa Michaels
Email:	natalie@energystaffingllc.com	Due Date:	05/16/23 17:00 (1 day TAT)		

Chain of Custody (COC)

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

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

Carrier: Courier**Comments/Resolution**

Time sampled not provided on COC by client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Natalie Gladden



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Tap Rock

Project Name: Jackson Unit 918 H

Work Order: E305090

Job Number: 20046-0001

Received: 5/16/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/17/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 5/17/23

Natalie Gladden
7 W. Compress Road
Artesia, NM 88210



Project Name: Jackson Unit 918 H
Workorder: E305090
Date Received: 5/16/2023 7:20:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/16/2023 7:20:00AM, under the Project Name: Jackson Unit 918 H.

The analytical test results summarized in this report with the Project Name: Jackson Unit 918 H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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Alexa Michaels
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Tap Rock	Project Name:	Jackson Unit 918 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	05/17/23 15:42

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW1 - SURF	E305090-01A	Soil	05/12/23	05/16/23	Glass Jar, 2 oz.
SW2 - SURF	E305090-02A	Soil	05/12/23	05/16/23	Glass Jar, 2 oz.
SW3 - SURF	E305090-03A	Soil	05/12/23	05/16/23	Glass Jar, 2 oz.
SW4 - SURF	E305090-04A	Soil	05/12/23	05/16/23	Glass Jar, 2 oz.
SW5 - SURF	E305090-05A	Soil	05/12/23	05/16/23	Glass Jar, 2 oz.
SW6 - SURF	E305090-06A	Soil	05/12/23	05/16/23	Glass Jar, 2 oz.
SW7 - SURF	E305090-07A	Soil	05/12/23	05/16/23	Glass Jar, 2 oz.
SW8 - SURF	E305090-08A	Soil	05/12/23	05/16/23	Glass Jar, 2 oz.

Sample Data

Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Jackson Unit 918 H Project Number: 20046-0001 Project Manager: Natalie Gladden	Reported: 5/17/2023 3:42:25PM
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SW1 - SURF

E305090-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL		Batch: 2320030	
Benzene	ND	0.0500	2	05/16/23	05/16/23	
Ethylbenzene	ND	0.0500	2	05/16/23	05/16/23	
Toluene	ND	0.0500	2	05/16/23	05/16/23	
o-Xylene	ND	0.0500	2	05/16/23	05/16/23	
p,m-Xylene	ND	0.100	2	05/16/23	05/16/23	
Total Xylenes	ND	0.0500	2	05/16/23	05/16/23	
<i>Surrogate: Bromofluorobenzene</i>	101 %	70-130		05/16/23	05/16/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	106 %	70-130		05/16/23	05/16/23	
<i>Surrogate: Toluene-d8</i>	101 %	70-130		05/16/23	05/16/23	

Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2320030	
Gasoline Range Organics (C6-C10)	ND	40.0	2	05/16/23	05/16/23	
<i>Surrogate: Bromofluorobenzene</i>	101 %	70-130		05/16/23	05/16/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	106 %	70-130		05/16/23	05/16/23	
<i>Surrogate: Toluene-d8</i>	101 %	70-130		05/16/23	05/16/23	

Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2320024	
Diesel Range Organics (C10-C28)	11100	500	20	05/16/23	05/17/23	
Oil Range Organics (C28-C36)	3510	1000	20	05/16/23	05/17/23	
<i>Surrogate: n-Nonane</i>	108 %	50-200		05/16/23	05/17/23	

Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2320034	
Chloride	5260	200	10	05/16/23	05/16/23	



Sample Data

Tap Rock	Project Name:	Jackson Unit 918 H	Reported: 5/17/2023 3:42:25PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SW2 - SURF
E305090-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2320030	
Benzene	ND	0.0500	2	05/16/23	05/16/23	
Ethylbenzene	ND	0.0500	2	05/16/23	05/16/23	
Toluene	ND	0.0500	2	05/16/23	05/16/23	
o-Xylene	ND	0.0500	2	05/16/23	05/16/23	
p,m-Xylene	ND	0.100	2	05/16/23	05/16/23	
Total Xylenes	ND	0.0500	2	05/16/23	05/16/23	
Surrogate: Bromofluorobenzene		101 %	70-130	05/16/23	05/16/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	05/16/23	05/16/23	
Surrogate: Toluene-d8		100 %	70-130	05/16/23	05/16/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2320030	
Gasoline Range Organics (C6-C10)	ND	40.0	2	05/16/23	05/16/23	
Surrogate: Bromofluorobenzene		101 %	70-130	05/16/23	05/16/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	05/16/23	05/16/23	
Surrogate: Toluene-d8		100 %	70-130	05/16/23	05/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2320024	
Diesel Range Organics (C10-C28)	12900	1250	50	05/16/23	05/17/23	
Oil Range Organics (C28-C36)	19700	2500	50	05/16/23	05/17/23	
Surrogate: n-Nonane		109 %	50-200	05/16/23	05/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2320034	
Chloride	5040	200	10	05/16/23	05/16/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson Unit 918 H
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/17/2023 3:42:25PM

SW3 - SURF

E305090-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320030
Benzene	ND	0.0500	2	05/16/23	05/16/23	
Ethylbenzene	ND	0.0500	2	05/16/23	05/16/23	
Toluene	ND	0.0500	2	05/16/23	05/16/23	
o-Xylene	ND	0.0500	2	05/16/23	05/16/23	
p,m-Xylene	ND	0.100	2	05/16/23	05/16/23	
Total Xylenes	ND	0.0500	2	05/16/23	05/16/23	
Surrogate: Bromofluorobenzene		100 %	70-130	05/16/23	05/16/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	05/16/23	05/16/23	
Surrogate: Toluene-d8		99.5 %	70-130	05/16/23	05/16/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320030
Gasoline Range Organics (C6-C10)	ND	40.0	2	05/16/23	05/16/23	
Surrogate: Bromofluorobenzene		100 %	70-130	05/16/23	05/16/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	05/16/23	05/16/23	
Surrogate: Toluene-d8		99.5 %	70-130	05/16/23	05/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2320024
Diesel Range Organics (C10-C28)	1730	250	10	05/16/23	05/17/23	
Oil Range Organics (C28-C36)	1810	500	10	05/16/23	05/17/23	
Surrogate: n-Nonane		99.5 %	50-200	05/16/23	05/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2320034
Chloride	2760	100	5	05/16/23	05/16/23	



Sample Data

Tap Rock	Project Name:	Jackson Unit 918 H	Reported: 5/17/2023 3:42:25PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SW4 - SURF
E305090-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2320030	
Benzene	ND	0.0500	2	05/16/23	05/17/23	
Ethylbenzene	ND	0.0500	2	05/16/23	05/17/23	
Toluene	ND	0.0500	2	05/16/23	05/17/23	
o-Xylene	ND	0.0500	2	05/16/23	05/17/23	
p,m-Xylene	ND	0.100	2	05/16/23	05/17/23	
Total Xylenes	ND	0.0500	2	05/16/23	05/17/23	
Surrogate: Bromofluorobenzene	102 %	70-130		05/16/23	05/17/23	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		05/16/23	05/17/23	
Surrogate: Toluene-d8	101 %	70-130		05/16/23	05/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2320030	
Gasoline Range Organics (C6-C10)	ND	40.0	2	05/16/23	05/17/23	
Surrogate: Bromofluorobenzene	102 %	70-130		05/16/23	05/17/23	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		05/16/23	05/17/23	
Surrogate: Toluene-d8	101 %	70-130		05/16/23	05/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2320024	
Diesel Range Organics (C10-C28)	7030	250	10	05/16/23	05/17/23	
Oil Range Organics (C28-C36)	2180	500	10	05/16/23	05/17/23	
Surrogate: n-Nonane	95.8 %	50-200		05/16/23	05/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2320034	
Chloride	3540	400	20	05/16/23	05/16/23	



Sample Data

Tap Rock	Project Name:	Jackson Unit 918 H	Reported: 5/17/2023 3:42:25PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SW5 - SURF
E305090-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2320030	
Benzene	ND	0.0500	2	05/16/23	05/16/23	
Ethylbenzene	ND	0.0500	2	05/16/23	05/16/23	
Toluene	ND	0.0500	2	05/16/23	05/16/23	
o-Xylene	ND	0.0500	2	05/16/23	05/16/23	
p,m-Xylene	ND	0.100	2	05/16/23	05/16/23	
Total Xylenes	ND	0.0500	2	05/16/23	05/16/23	
Surrogate: Bromofluorobenzene		101 %	70-130	05/16/23	05/16/23	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	05/16/23	05/16/23	
Surrogate: Toluene-d8		101 %	70-130	05/16/23	05/16/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2320030	
Gasoline Range Organics (C6-C10)	ND	40.0	2	05/16/23	05/16/23	
Surrogate: Bromofluorobenzene		101 %	70-130	05/16/23	05/16/23	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	05/16/23	05/16/23	
Surrogate: Toluene-d8		101 %	70-130	05/16/23	05/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2320024	
Diesel Range Organics (C10-C28)	5770	500	20	05/16/23	05/17/23	
Oil Range Organics (C28-C36)	4690	1000	20	05/16/23	05/17/23	
Surrogate: n-Nonane		114 %	50-200	05/16/23	05/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2320034	
Chloride	4990	400	20	05/16/23	05/16/23	



Sample Data

Tap Rock	Project Name:	Jackson Unit 918 H	Reported: 5/17/2023 3:42:25PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SW6 - SURF
E305090-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2320030	
Benzene	ND	0.0500	2	05/16/23	05/16/23	
Ethylbenzene	ND	0.0500	2	05/16/23	05/16/23	
Toluene	ND	0.0500	2	05/16/23	05/16/23	
o-Xylene	ND	0.0500	2	05/16/23	05/16/23	
p,m-Xylene	ND	0.100	2	05/16/23	05/16/23	
Total Xylenes	ND	0.0500	2	05/16/23	05/16/23	
Surrogate: Bromofluorobenzene		101 %	70-130	05/16/23	05/16/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	05/16/23	05/16/23	
Surrogate: Toluene-d8		100 %	70-130	05/16/23	05/16/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2320030	
Gasoline Range Organics (C6-C10)	ND	40.0	2	05/16/23	05/16/23	
Surrogate: Bromofluorobenzene		101 %	70-130	05/16/23	05/16/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	05/16/23	05/16/23	
Surrogate: Toluene-d8		100 %	70-130	05/16/23	05/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2320024	
Diesel Range Organics (C10-C28)	3550	250	10	05/16/23	05/17/23	
Oil Range Organics (C28-C36)	2340	500	10	05/16/23	05/17/23	
Surrogate: n-Nonane		99.3 %	50-200	05/16/23	05/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2320034	
Chloride	8940	400	20	05/16/23	05/16/23	



Sample Data

Tap Rock	Project Name:	Jackson Unit 918 H	Reported: 5/17/2023 3:42:25PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SW7 - SURF
E305090-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2320030	
Benzene	ND	0.0500	2	05/16/23	05/16/23	
Ethylbenzene	ND	0.0500	2	05/16/23	05/16/23	
Toluene	ND	0.0500	2	05/16/23	05/16/23	
o-Xylene	ND	0.0500	2	05/16/23	05/16/23	
p,m-Xylene	ND	0.100	2	05/16/23	05/16/23	
Total Xylenes	ND	0.0500	2	05/16/23	05/16/23	
Surrogate: Bromofluorobenzene		101 %	70-130	05/16/23	05/16/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	05/16/23	05/16/23	
Surrogate: Toluene-d8		101 %	70-130	05/16/23	05/16/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2320030	
Gasoline Range Organics (C6-C10)	ND	40.0	2	05/16/23	05/16/23	
Surrogate: Bromofluorobenzene		101 %	70-130	05/16/23	05/16/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	05/16/23	05/16/23	
Surrogate: Toluene-d8		101 %	70-130	05/16/23	05/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2320024	
Diesel Range Organics (C10-C28)	4120	500	20	05/16/23	05/17/23	
Oil Range Organics (C28-C36)	4720	1000	20	05/16/23	05/17/23	
Surrogate: n-Nonane		109 %	50-200	05/16/23	05/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2320034	
Chloride	13000	1000	50	05/16/23	05/16/23	



Sample Data

Tap Rock	Project Name:	Jackson Unit 918 H	Reported: 5/17/2023 3:42:25PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SW8 - SURF
E305090-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2320030	
Benzene	ND	0.0500	2	05/16/23	05/16/23	
Ethylbenzene	ND	0.0500	2	05/16/23	05/16/23	
Toluene	ND	0.0500	2	05/16/23	05/16/23	
o-Xylene	ND	0.0500	2	05/16/23	05/16/23	
p,m-Xylene	ND	0.100	2	05/16/23	05/16/23	
Total Xylenes	ND	0.0500	2	05/16/23	05/16/23	
Surrogate: Bromofluorobenzene		102 %	70-130	05/16/23	05/16/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/16/23	05/16/23	
Surrogate: Toluene-d8		100 %	70-130	05/16/23	05/16/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2320030	
Gasoline Range Organics (C6-C10)	ND	40.0	2	05/16/23	05/16/23	
Surrogate: Bromofluorobenzene		102 %	70-130	05/16/23	05/16/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/16/23	05/16/23	
Surrogate: Toluene-d8		100 %	70-130	05/16/23	05/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2320024	
Diesel Range Organics (C10-C28)	6520	500	20	05/16/23	05/17/23	
Oil Range Organics (C28-C36)	5480	1000	20	05/16/23	05/17/23	
Surrogate: n-Nonane		109 %	50-200	05/16/23	05/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2320034	
Chloride	8490	400	20	05/16/23	05/16/23	



QC Summary Data

Tap Rock	Project Name:	Jackson Unit 918 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	5/17/2023 3:42:25PM

Volatile Organic Compounds by EPA 8260B

Analyst: SL

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

Blank (2320030-BLK1)Prepared: 05/16/23 Analyzed: 05/16/23

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	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.533		0.500		107	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			

LCS (2320030-BS1)Prepared: 05/16/23 Analyzed: 05/16/23

Benzene	2.58	0.0250	2.50		103	70-130			
Ethylbenzene	2.53	0.0250	2.50		101	70-130			
Toluene	2.47	0.0250	2.50		98.7	70-130			
o-Xylene	2.39	0.0250	2.50		95.4	70-130			
p,m-Xylene	4.59	0.0500	5.00		91.8	70-130			
Total Xylenes	6.98	0.0250	7.50		93.0	70-130			
Surrogate: Bromofluorobenzene	0.470		0.500		93.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.520		0.500		104	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.7	70-130			

Matrix Spike (2320030-MS1)Source: E305090-01Prepared: 05/16/23 Analyzed: 05/16/23

Benzene	5.04	0.0500	5.00	ND	101	48-131			
Ethylbenzene	4.97	0.0500	5.00	ND	99.4	45-135			
Toluene	4.91	0.0500	5.00	ND	98.1	48-130			
o-Xylene	4.74	0.0500	5.00	ND	94.7	43-135			
p,m-Xylene	9.13	0.100	10.0	ND	91.3	43-135			
Total Xylenes	13.9	0.0500	15.0	ND	92.4	43-135			
Surrogate: Bromofluorobenzene	0.970		1.00		97.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	1.02		1.00		102	70-130			
Surrogate: Toluene-d8	1.00		1.00		100	70-130			

Matrix Spike Dup (2320030-MSD1)Source: E305090-01Prepared: 05/16/23 Analyzed: 05/16/23

Benzene	5.43	0.0500	5.00	ND	108	48-131	7.40	23	
Ethylbenzene	5.32	0.0500	5.00	ND	106	45-135	6.79	27	
Toluene	5.28	0.0500	5.00	ND	105	48-130	7.25	24	
o-Xylene	5.18	0.0500	5.00	ND	104	43-135	8.99	27	
p,m-Xylene	10.0	0.100	10.0	ND	100	43-135	9.57	27	
Total Xylenes	15.2	0.0500	15.0	ND	102	43-135	9.38	27	
Surrogate: Bromofluorobenzene	0.958		1.00		95.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	1.05		1.00		105	70-130			
Surrogate: Toluene-d8	0.979		1.00		97.9	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson Unit 918 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	5/17/2023 3:42:25PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2320030-BLK1) Prepared: 05/16/23 Analyzed: 05/16/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.533		0.500		107	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			

LCS (2320030-BS2) Prepared: 05/16/23 Analyzed: 05/16/23

Gasoline Range Organics (C6-C10)	53.0	20.0	50.0		106	70-130			
Surrogate: Bromofluorobenzene	0.497		0.500		99.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.5	70-130			

Matrix Spike (2320030-MS2) Source: E305090-01 Prepared: 05/16/23 Analyzed: 05/17/23

Gasoline Range Organics (C6-C10)	114	40.0	100	ND	114	70-130			
Surrogate: Bromofluorobenzene	1.01		1.00		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	1.02		1.00		102	70-130			
Surrogate: Toluene-d8	1.01		1.00		101	70-130			

Matrix Spike Dup (2320030-MSD2) Source: E305090-01 Prepared: 05/16/23 Analyzed: 05/17/23

Gasoline Range Organics (C6-C10)	127	40.0	100	ND	127	70-130	11.4	20	
Surrogate: Bromofluorobenzene	0.992		1.00		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	1.06		1.00		106	70-130			
Surrogate: Toluene-d8	1.01		1.00		101	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson Unit 918 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	5/17/2023 3:42:25PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2320024-BLK1)					Prepared: 05/16/23 Analyzed: 05/16/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	58.8		50.0		118	50-200			

LCS (2320024-BS1)					Prepared: 05/16/23 Analyzed: 05/16/23				
Diesel Range Organics (C10-C28)	304	25.0	250		121	38-132			
Surrogate: n-Nonane	51.1		50.0		102	50-200			

Matrix Spike (2320024-MS1)					Source: E305077-01		Prepared: 05/16/23 Analyzed: 05/16/23		
Diesel Range Organics (C10-C28)	306	25.0	250	ND	122	38-132			
Surrogate: n-Nonane	56.9		50.0		114	50-200			

Matrix Spike Dup (2320024-MSD1)					Source: E305077-01		Prepared: 05/16/23 Analyzed: 05/16/23		
Diesel Range Organics (C10-C28)	297	25.0	250	ND	119	38-132	2.80	20	
Surrogate: n-Nonane	48.7		50.0		97.3	50-200			



QC Summary Data

Tap Rock	Project Name:	Jackson Unit 918 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	5/17/2023 3:42:25PM

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2320034-BLK1)					Prepared: 05/16/23 Analyzed: 05/16/23				
Chloride	ND	20.0							
LCS (2320034-BS1)					Prepared: 05/16/23 Analyzed: 05/16/23				
Chloride	247	20.0	250		98.7	90-110			
Matrix Spike (2320034-MS1)					Source: E305081-01		Prepared: 05/16/23 Analyzed: 05/16/23		
Chloride	249	20.0	250	ND	99.4	80-120			
Matrix Spike Dup (2320034-MSD1)					Source: E305081-01		Prepared: 05/16/23 Analyzed: 05/16/23		
Chloride	249	20.0	250	ND	99.6	80-120	0.179	20	

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



Definitions and Notes

Tap Rock	Project Name:	Jackson Unit 918 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	05/17/23 15:42

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

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

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



Project Information

Additional Instructions:

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

Sampled by M. RIVELTA

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

Relinquished by: (Signature) <i>AMR</i>	Date 5/12/23	Time	Received by: (Signature) <i>Michelle Gungor</i>	Date 5-15-23	Time 1:300
Relinquished by: (Signature) <i>Michelle Gungor</i>	Date 5-15-23	Time 1715	Received by: (Signature) <i>Andrew Mvssu</i>	Date 5-15-23	Time 1730
Relinquished by: (Signature) <i>Andrew Mvssu</i>	Date 5-15-23	Time 2330	Received by: (Signature) <i>Drew Zier</i>	Date 5/16/23	Time 7:20

Labels Used Only
 Received on the: 7 11
 11 12 13
 4.0°C

Envirotech Analytical Laboratory

Printed: 5/16/2023 11:10:00AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Tap Rock	Date Received:	05/16/23 07:20	Work Order ID:	E305090
Phone:	(575) 390-6397	Date Logged In:	05/15/23 16:38	Logged In By:	Caitlin Mars
Email:	natalie@energystaffingllc.com	Due Date:	05/17/23 17:00 (1 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Natalie Gladden



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Tap Rock

Project Name: Jackson Unit 918 H

Work Order: E305135

Job Number: 20046-0001

Received: 5/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/24/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 5/24/23



Natalie Gladden
7 W. Compress Road
Artesia, NM 88210

Project Name: Jackson Unit 918 H
Workorder: E305135
Date Received: 5/23/2023 8:15:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/23/2023 8:15:00AM, under the Project Name: Jackson Unit 918 H.

The analytical test results summarized in this report with the Project Name: Jackson Unit 918 H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Tap Rock	Project Name:	Jackson Unit 918 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	05/24/23 16:39

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BOTTOM 1 - SURF	E305135-01A	Soil	05/19/23	05/23/23	Glass Jar, 2 oz.
BOTTOM 2 - SURF	E305135-02A	Soil	05/19/23	05/23/23	Glass Jar, 2 oz.
BOTTOM 3 - SURF	E305135-03A	Soil	05/19/23	05/23/23	Glass Jar, 2 oz.
BOTTOM 4 - SURF	E305135-04A	Soil	05/19/23	05/23/23	Glass Jar, 2 oz.
BOTTOM 1 - 19'	E305135-05A	Soil	05/19/23	05/23/23	Glass Jar, 2 oz.
BOTTOM 2 - 19'	E305135-06A	Soil	05/19/23	05/23/23	Glass Jar, 2 oz.
BOTTOM 3 - 19'	E305135-07A	Soil	05/19/23	05/23/23	Glass Jar, 2 oz.
BOTTOM 4 - 19'	E305135-08A	Soil	05/19/23	05/23/23	Glass Jar, 2 oz.



Sample Data

Tap Rock	Project Name:	Jackson Unit 918 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	5/24/2023 4:39:38PM

BOTTOM 1 - SURF

E305135-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2321028
Benzene	ND	0.0500	2	05/23/23	05/24/23	
Ethylbenzene	ND	0.0500	2	05/23/23	05/24/23	
Toluene	ND	0.0500	2	05/23/23	05/24/23	
o-Xylene	ND	0.0500	2	05/23/23	05/24/23	
p,m-Xylene	ND	0.100	2	05/23/23	05/24/23	
Total Xylenes	ND	0.0500	2	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.6 %	70-130		05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2321028
Gasoline Range Organics (C6-C10)	ND	40.0	2	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	86.7 %	70-130		05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2321045
Diesel Range Organics (C10-C28)	26900	250	10	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	22300	500	10	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>	101 %	50-200		05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2321025
Chloride	19400	1000	50	05/23/23	05/24/23	



Sample Data

Tap Rock	Project Name:	Jackson Unit 918 H	Reported: 5/24/2023 4:39:38PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

BOTTOM 2 - SURF

E305135-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2321028	
Benzene	ND	0.0500	2	05/23/23	05/24/23	
Ethylbenzene	ND	0.0500	2	05/23/23	05/24/23	
Toluene	ND	0.0500	2	05/23/23	05/24/23	
o-Xylene	0.185	0.0500	2	05/23/23	05/24/23	
p,m-Xylene	ND	0.100	2	05/23/23	05/24/23	
Total Xylenes	0.185	0.0500	2	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.6 %	70-130		05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2321028	
Gasoline Range Organics (C6-C10)	ND	40.0	2	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.3 %	70-130		05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2321045	
Diesel Range Organics (C10-C28)	30200	2500	100	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	35600	5000	100	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>						
	%	50-200		05/23/23	05/24/23	S6
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2321025	
Chloride	43700	2000	100	05/23/23	05/24/23	



Sample Data

Tap Rock	Project Name:	Jackson Unit 918 H	Reported: 5/24/2023 4:39:38PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

BOTTOM 3 - SURF
E305135-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2321028	
Benzene	ND	0.0500	2	05/23/23	05/24/23	
Ethylbenzene	0.0718	0.0500	2	05/23/23	05/24/23	
Toluene	0.0554	0.0500	2	05/23/23	05/24/23	
o-Xylene	0.209	0.0500	2	05/23/23	05/24/23	
p,m-Xylene	0.191	0.100	2	05/23/23	05/24/23	
Total Xylenes	0.400	0.0500	2	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.2 %	70-130		05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2321028	
Gasoline Range Organics (C6-C10)	ND	40.0	2	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.0 %	70-130		05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2321045	
Diesel Range Organics (C10-C28)	21700	2500	100	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	13200	5000	100	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>						
	%	50-200		05/23/23	05/24/23	S6
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2321025	
Chloride	81400	2000	100	05/23/23	05/24/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson Unit 918 H
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/24/2023 4:39:38PM

BOTTOM 4 - SURF

E305135-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2321028	
Benzene	ND	0.0500	2	05/23/23	05/24/23	
Ethylbenzene	ND	0.0500	2	05/23/23	05/24/23	
Toluene	ND	0.0500	2	05/23/23	05/24/23	
o-Xylene	0.201	0.0500	2	05/23/23	05/24/23	
p,m-Xylene	ND	0.100	2	05/23/23	05/24/23	
Total Xylenes	0.201	0.0500	2	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.1 %	70-130		05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2321028	
Gasoline Range Organics (C6-C10)	ND	40.0	2	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.1 %	70-130		05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2321045	
Diesel Range Organics (C10-C28)	26000	2500	100	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	59000	5000	100	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>						
	%	50-200		05/23/23	05/24/23	S6
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2321025	
Chloride	33100	2000	100	05/23/23	05/24/23	



Sample Data

Tap Rock	Project Name:	Jackson Unit 918 H	Reported: 5/24/2023 4:39:38PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

BOTTOM 1 - 19'
E305135-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2321028	
Benzene	ND	0.0250	1	05/23/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/23/23	05/24/23	
Toluene	ND	0.0250	1	05/23/23	05/24/23	
o-Xylene	ND	0.0250	1	05/23/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/23/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/24/23	
Surrogate: 4-Bromochlorobenzene-PID	93.9 %	70-130		05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2321028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.9 %	70-130		05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2321045	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/24/23	
Surrogate: n-Nonane	121 %	50-200		05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2321025	
Chloride	92.1	20.0	1	05/23/23	05/24/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson Unit 918 H
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/24/2023 4:39:38PM

BOTTOM 2 - 19'

E305135-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2321028	
Benzene	ND	0.0250	1	05/23/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/23/23	05/24/23	
Toluene	ND	0.0250	1	05/23/23	05/24/23	
o-Xylene	ND	0.0250	1	05/23/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/23/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.9 %	70-130		05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2321028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	91.1 %	70-130		05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2321045	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>	99.3 %	50-200		05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2321025	
Chloride	176	20.0	1	05/23/23	05/24/23	



Sample Data

Tap Rock	Project Name:	Jackson Unit 918 H	Reported: 5/24/2023 4:39:38PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

BOTTOM 3 - 19'

E305135-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2321028	
Benzene	ND	0.0250	1	05/23/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/23/23	05/24/23	
Toluene	ND	0.0250	1	05/23/23	05/24/23	
o-Xylene	ND	0.0250	1	05/23/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/23/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.1 %	70-130		05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2321028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.2 %	70-130		05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2321045	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		05/23/23	05/24/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2321025	
Chloride	141	20.0	1	05/23/23	05/24/23	



Sample Data

Tap Rock	Project Name:	Jackson Unit 918 H	Reported: 5/24/2023 4:39:38PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

BOTTOM 4 - 19'

E305135-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2321028	
Benzene	ND	0.0250	1	05/23/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/23/23	05/24/23	
Toluene	ND	0.0250	1	05/23/23	05/24/23	
o-Xylene	ND	0.0250	1	05/23/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/23/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/24/23	
Surrogate: 4-Bromochlorobenzene-PID	97.7 %	70-130		05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2321028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.9 %	70-130		05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2321045	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/24/23	
Surrogate: n-Nonane	121 %	50-200		05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2321025	
Chloride	134	20.0	1	05/23/23	05/24/23	



QC Summary Data

Tap Rock	Project Name:	Jackson Unit 918 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	5/24/2023 4:39:38PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2321028-BLK1) Prepared: 05/23/23 Analyzed: 05/23/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.83		8.00		97.9	70-130			

LCS (2321028-BS1) Prepared: 05/23/23 Analyzed: 05/23/23

Benzene	4.74	0.0250	5.00		94.7	70-130			
Ethylbenzene	4.99	0.0250	5.00		99.7	70-130			
Toluene	5.05	0.0250	5.00		101	70-130			
o-Xylene	5.12	0.0250	5.00		102	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.2	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.92		8.00		99.0	70-130			

Matrix Spike (2321028-MS1) Source: E305131-01 Prepared: 05/23/23 Analyzed: 05/23/23

Benzene	4.81	0.0250	5.00	ND	96.1	54-133			
Ethylbenzene	5.05	0.0250	5.00	ND	101	61-133			
Toluene	5.12	0.0250	5.00	ND	102	61-130			
o-Xylene	5.17	0.0250	5.00	ND	103	63-131			
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131			
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.93		8.00		99.1	70-130			

Matrix Spike Dup (2321028-MSD1) Source: E305131-01 Prepared: 05/23/23 Analyzed: 05/23/23

Benzene	4.82	0.0250	5.00	ND	96.3	54-133	0.210	20	
Ethylbenzene	5.06	0.0250	5.00	ND	101	61-133	0.181	20	
Toluene	5.13	0.0250	5.00	ND	103	61-130	0.296	20	
o-Xylene	5.19	0.0250	5.00	ND	104	63-131	0.339	20	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	0.122	20	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	0.195	20	
Surrogate: 4-Bromochlorobenzene-PID	7.88		8.00		98.5	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson Unit 918 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	5/24/2023 4:39:38PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2321028-BLK1) Prepared: 05/23/23 Analyzed: 05/23/23

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

LCS (2321028-BS2) Prepared: 05/23/23 Analyzed: 05/23/23

Gasoline Range Organics (C6-C10)	45.6	20.0	50.0		91.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.15		8.00		89.3	70-130			

Matrix Spike (2321028-MS2) Source: E305131-01 Prepared: 05/23/23 Analyzed: 05/23/23

Gasoline Range Organics (C6-C10)	44.3	20.0	50.0	ND	88.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.8	70-130			

Matrix Spike Dup (2321028-MSD2) Source: E305131-01 Prepared: 05/23/23 Analyzed: 05/23/23

Gasoline Range Organics (C6-C10)	45.8	20.0	50.0	ND	91.7	70-130	3.32	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		8.00		92.5	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson Unit 918 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	5/24/2023 4:39:38PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2321045-BLK1)					Prepared: 05/23/23 Analyzed: 05/23/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.4		50.0		115	50-200			

LCS (2321045-BS1)					Prepared: 05/23/23 Analyzed: 05/23/23				
Diesel Range Organics (C10-C28)	280	25.0	250		112	38-132			
Surrogate: n-Nonane	56.5		50.0		113	50-200			

Matrix Spike (2321045-MS1)					Source: E305131-10		Prepared: 05/23/23 Analyzed: 05/23/23		
Diesel Range Organics (C10-C28)	461	250	250	289	68.8	38-132			
Surrogate: n-Nonane	51.4		50.0		103	50-200			

Matrix Spike Dup (2321045-MSD1)					Source: E305131-10		Prepared: 05/23/23 Analyzed: 05/23/23		
Diesel Range Organics (C10-C28)	500	250	250	289	84.3	38-132	8.03	20	
Surrogate: n-Nonane	49.2		50.0		98.3	50-200			



QC Summary Data

Tap Rock	Project Name:	Jackson Unit 918 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	5/24/2023 4:39:38PM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2321025-BLK1)					Prepared: 05/23/23 Analyzed: 05/23/23				
Chloride	ND	20.0							
LCS (2321025-BS1)					Prepared: 05/23/23 Analyzed: 05/23/23				
Chloride	266	20.0	250		107	90-110			
Matrix Spike (2321025-MS1)					Source: E305131-01		Prepared: 05/23/23 Analyzed: 05/23/23		
Chloride	677	20.0	250	394	113	80-120			
Matrix Spike Dup (2321025-MSD1)					Source: E305131-01		Prepared: 05/23/23 Analyzed: 05/23/23		
Chloride	662	20.0	250	394	107	80-120	2.20	20	

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



Definitions and Notes

Tap Rock	Project Name:	Jackson Unit 918 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	05/24/23 16:39

- S6 Surrogate was diluted out due to high concentrations of target and/or non-target analytes and does not provide useful information. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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

Project Information

Chain of Custody

Page 1 of 1

Client: TAPROCK				Bill To				Lab Use Only				TAT				EPA Program																							
Project: JACKSON UNIT 918H				Attention: ESS				Lab WO# E305135				Job Number 20646-0001				1D	2D	3D	Standard	CWA	SDWA																		
Project Manager:				Address: 2724 NW COUNTY ROAD				Analysis and Method								RCRA																							
Address:				City, State, Zip HOBBS, NM 88240																																			
City, State, Zip				Phone: 575-393-9048				DRO/DRO by 8015				GRO/DRO by 8015				BTEX by 8021				VOC by 8260				Metals 6010				Chloride 3000				SGDOC NM				SGDOC TX			
Phone:				EMAIL TO: Natalie@energystaffingllc.com																																			
Email:				Dakoatah@energystaffingllc.com																																			
Report due by:																																							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab (Initials)	Remarks																																	
	5/19/23	S	1	BOTTOM 1 - SURF																																			
				BOTTOM 2 - SURF																																			
				BOTTOM 3 - SURF																																			
				BOTTOM 4 - SURF																																			
				BOTTOM 1 - 19'																																			
				BOTTOM 2 - 19'																																			
				BOTTOM 3 - 19'																																			
	5/19/23	S	1	BOTTOM 4 - 19'																																			

Additional Instructions:

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

Sampled by: **M. Rivera**

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<i>[Signature]</i>	5/19/23		<i>[Signature]</i>	5-22-23	1335
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<i>[Signature]</i>	5-22-23	1730	<i>[Signature]</i>	5-22-23	1900
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<i>[Signature]</i>	5-22-23	2400	<i>[Signature]</i>	5/23/23	8:15

Lab Use Only	
Received on ice:	<i>[Signature]</i>
T1	T2

Envirotech Analytical Laboratory

Printed: 5/23/2023 11:12:12AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Tap Rock	Date Received:	05/23/23 08:15	Work Order ID:	E305135
Phone:	(575) 390-6397	Date Logged In:	05/23/23 08:43	Logged In By:	Caitlin Mars
Email:	natalie@energystaffingllc.com	Due Date:	05/24/23 17:00 (1 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Natalie Gladden



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Tap Rock

Project Name: Jackson Unit 918 H

Work Order: E305146

Job Number: 20046-0001

Received: 5/25/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/26/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 5/26/23



Natalie Gladden
7 W. Compress Road
Artesia, NM 88210

Project Name: Jackson Unit 918 H
Workorder: E305146
Date Received: 5/25/2023 7:30:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/25/2023 7:30:00AM, under the Project Name: Jackson Unit 918 H.

The analytical test results summarized in this report with the Project Name: Jackson Unit 918 H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Tap Rock	Project Name:	Jackson Unit 918 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	05/26/23 14:14

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP 1 - 6'	E305146-01A	Soil	05/23/23	05/25/23	Glass Jar, 2 oz.
SP 2 - 6'	E305146-02A	Soil	05/23/23	05/25/23	Glass Jar, 2 oz.
SP 3 - 3'	E305146-03A	Soil	05/23/23	05/25/23	Glass Jar, 2 oz.
SP 4 - 3'	E305146-04A	Soil	05/23/23	05/25/23	Glass Jar, 2 oz.
SP 5 -3'	E305146-05A	Soil	05/23/23	05/25/23	Glass Jar, 2 oz.
SP 6 - 4'	E305146-06A	Soil	05/23/23	05/25/23	Glass Jar, 2 oz.



Sample Data

Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Jackson Unit 918 H Project Number: 20046-0001 Project Manager: Natalie Gladden	Reported: 5/26/2023 2:14:10PM
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SP 1 - 6'

E305146-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2321047	
Benzene	ND	0.0250	1	05/25/23	05/25/23	
Ethylbenzene	ND	0.0250	1	05/25/23	05/25/23	
Toluene	ND	0.0250	1	05/25/23	05/25/23	
o-Xylene	ND	0.0250	1	05/25/23	05/25/23	
p,m-Xylene	ND	0.0500	1	05/25/23	05/25/23	
Total Xylenes	ND	0.0250	1	05/25/23	05/25/23	
Surrogate: 4-Bromochlorobenzene-PID	103 %	70-130		05/25/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2321047	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/25/23	05/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.7 %	70-130		05/25/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2321057	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/25/23	05/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/25/23	05/26/23	
Surrogate: n-Nonane	113 %	50-200		05/25/23	05/26/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2321063	
Chloride	219	200	10	05/25/23	05/25/23	



Sample Data

Tap Rock	Project Name:	Jackson Unit 918 H	Reported: 5/26/2023 2:14:10PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP 2 - 6'

E305146-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2321047	
Benzene	ND	0.0250	1	05/25/23	05/25/23	
Ethylbenzene	ND	0.0250	1	05/25/23	05/25/23	
Toluene	ND	0.0250	1	05/25/23	05/25/23	
o-Xylene	ND	0.0250	1	05/25/23	05/25/23	
p,m-Xylene	ND	0.0500	1	05/25/23	05/25/23	
Total Xylenes	ND	0.0250	1	05/25/23	05/25/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	05/25/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2321047	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/25/23	05/25/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.9 %	70-130	05/25/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2321057	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/25/23	05/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/25/23	05/25/23	
<i>Surrogate: n-Nonane</i>		116 %	50-200	05/25/23	05/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2321063	
Chloride	ND	100	5	05/25/23	05/25/23	



Sample Data

Tap Rock	Project Name:	Jackson Unit 918 H	Reported: 5/26/2023 2:14:10PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP 3 - 3'

E305146-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2321047	
Benzene	ND	0.0250	1	05/25/23	05/25/23	
Ethylbenzene	ND	0.0250	1	05/25/23	05/25/23	
Toluene	ND	0.0250	1	05/25/23	05/25/23	
o-Xylene	ND	0.0250	1	05/25/23	05/25/23	
p,m-Xylene	ND	0.0500	1	05/25/23	05/25/23	
Total Xylenes	ND	0.0250	1	05/25/23	05/25/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	05/25/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2321047	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/25/23	05/25/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.3 %	70-130	05/25/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2321057	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/25/23	05/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/25/23	05/25/23	
<i>Surrogate: n-Nonane</i>						
		116 %	50-200	05/25/23	05/25/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2321063	
Chloride	21.0	20.0	1	05/25/23	05/25/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson Unit 918 H
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/26/2023 2:14:10PM

SP 4 - 3'

E305146-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2321047	
Benzene	ND	0.0250	1	05/25/23	05/25/23	
Ethylbenzene	ND	0.0250	1	05/25/23	05/25/23	
Toluene	ND	0.0250	1	05/25/23	05/25/23	
o-Xylene	ND	0.0250	1	05/25/23	05/25/23	
p,m-Xylene	ND	0.0500	1	05/25/23	05/25/23	
Total Xylenes	ND	0.0250	1	05/25/23	05/25/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	05/25/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2321047	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/25/23	05/25/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.1 %	70-130	05/25/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2321057	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/25/23	05/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/25/23	05/25/23	
<i>Surrogate: n-Nonane</i>						
		110 %	50-200	05/25/23	05/25/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2321063	
Chloride	105	20.0	1	05/25/23	05/25/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson Unit 918 H
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/26/2023 2:14:10PM

SP 5 -3'

E305146-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2321047	
Benzene	ND	0.0250	1	05/25/23	05/25/23	
Ethylbenzene	ND	0.0250	1	05/25/23	05/25/23	
Toluene	ND	0.0250	1	05/25/23	05/25/23	
o-Xylene	ND	0.0250	1	05/25/23	05/25/23	
p,m-Xylene	ND	0.0500	1	05/25/23	05/25/23	
Total Xylenes	ND	0.0250	1	05/25/23	05/25/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	05/25/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2321047	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/25/23	05/25/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.9 %	70-130	05/25/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2321057	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/25/23	05/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/25/23	05/25/23	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	05/25/23	05/25/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2321063	
Chloride	67.3	20.0	1	05/25/23	05/25/23	



Sample Data

Tap Rock	Project Name:	Jackson Unit 918 H	Reported: 5/26/2023 2:14:10PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP 6 - 4'

E305146-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2321047	
Benzene	ND	0.0250	1	05/25/23	05/25/23	
Ethylbenzene	ND	0.0250	1	05/25/23	05/25/23	
Toluene	ND	0.0250	1	05/25/23	05/25/23	
o-Xylene	ND	0.0250	1	05/25/23	05/25/23	
p,m-Xylene	ND	0.0500	1	05/25/23	05/25/23	
Total Xylenes	ND	0.0250	1	05/25/23	05/25/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	05/25/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2321047	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/25/23	05/25/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.0 %	70-130	05/25/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2321057	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/25/23	05/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/25/23	05/26/23	
<i>Surrogate: n-Nonane</i>						
		123 %	50-200	05/25/23	05/26/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2321063	
Chloride	ND	200	10	05/25/23	05/25/23	



QC Summary Data

Tap Rock	Project Name:	Jackson Unit 918 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	5/26/2023 2:14:10PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2321047-BLK1) Prepared: 05/24/23 Analyzed: 05/24/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.31		8.00		104	70-130			

LCS (2321047-BS1) Prepared: 05/24/23 Analyzed: 05/24/23

Benzene	4.38	0.0250	5.00		87.5	70-130			
Ethylbenzene	4.55	0.0250	5.00		91.0	70-130			
Toluene	4.70	0.0250	5.00		94.0	70-130			
o-Xylene	4.81	0.0250	5.00		96.2	70-130			
p,m-Xylene	9.42	0.0500	10.0		94.2	70-130			
Total Xylenes	14.2	0.0250	15.0		94.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.31		8.00		104	70-130			

Matrix Spike (2321047-MS1) Source: E305136-02 Prepared: 05/24/23 Analyzed: 05/24/23

Benzene	4.47	0.0250	5.00	ND	89.3	54-133			
Ethylbenzene	4.64	0.0250	5.00	ND	92.8	61-133			
Toluene	4.80	0.0250	5.00	ND	95.9	61-130			
o-Xylene	4.91	0.0250	5.00	ND	98.2	63-131			
p,m-Xylene	9.59	0.0500	10.0	ND	95.9	63-131			
Total Xylenes	14.5	0.0250	15.0	ND	96.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.29		8.00		104	70-130			

Matrix Spike Dup (2321047-MSD1) Source: E305136-02 Prepared: 05/24/23 Analyzed: 05/24/23

Benzene	4.22	0.0250	5.00	ND	84.4	54-133	5.74	20	
Ethylbenzene	4.38	0.0250	5.00	ND	87.6	61-133	5.82	20	
Toluene	4.53	0.0250	5.00	ND	90.5	61-130	5.78	20	
o-Xylene	4.64	0.0250	5.00	ND	92.8	63-131	5.63	20	
p,m-Xylene	9.06	0.0500	10.0	ND	90.6	63-131	5.69	20	
Total Xylenes	13.7	0.0250	15.0	ND	91.4	63-131	5.67	20	
Surrogate: 4-Bromochlorobenzene-PID	8.31		8.00		104	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson Unit 918 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	5/26/2023 2:14:10PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2321047-BLK1) Prepared: 05/24/23 Analyzed: 05/24/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.17		8.00		89.6	70-130			

LCS (2321047-BS2) Prepared: 05/24/23 Analyzed: 05/24/23

Gasoline Range Organics (C6-C10)	50.6	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.15		8.00		89.4	70-130			

Matrix Spike (2321047-MS2) Source: E305136-02 Prepared: 05/24/23 Analyzed: 05/24/23

Gasoline Range Organics (C6-C10)	50.2	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.22		8.00		90.3	70-130			

Matrix Spike Dup (2321047-MSD2) Source: E305136-02 Prepared: 05/24/23 Analyzed: 05/24/23

Gasoline Range Organics (C6-C10)	46.5	20.0	50.0	ND	93.0	70-130	7.68	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.25		8.00		90.6	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson Unit 918 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	5/26/2023 2:14:10PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2321057-BLK1) Prepared: 05/25/23 Analyzed: 05/25/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.8		50.0		114	50-200			

LCS (2321057-BS1) Prepared: 05/25/23 Analyzed: 05/25/23

Diesel Range Organics (C10-C28)	270	25.0	250		108	38-132			
Surrogate: n-Nonane	52.0		50.0		104	50-200			

Matrix Spike (2321057-MS1) Source: E305146-01 Prepared: 05/25/23 Analyzed: 05/26/23

Diesel Range Organics (C10-C28)	289	25.0	250	ND	116	38-132			
Surrogate: n-Nonane	50.5		50.0		101	50-200			

Matrix Spike Dup (2321057-MSD1) Source: E305146-01 Prepared: 05/25/23 Analyzed: 05/26/23

Diesel Range Organics (C10-C28)	285	25.0	250	ND	114	38-132	1.30	20	
Surrogate: n-Nonane	52.0		50.0		104	50-200			



QC Summary Data

Tap Rock	Project Name:	Jackson Unit 918 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	5/26/2023 2:14:10PM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2321063-BLK1)					Prepared: 05/25/23 Analyzed: 05/25/23				
Chloride	ND	20.0							
LCS (2321063-BS1)					Prepared: 05/25/23 Analyzed: 05/25/23				
Chloride	248	20.0	250		99.3	90-110			
Matrix Spike (2321063-MS1)					Source: E305146-01		Prepared: 05/25/23 Analyzed: 05/25/23		
Chloride	430	200	250	219	84.5	80-120			
Matrix Spike Dup (2321063-MSD1)					Source: E305146-01		Prepared: 05/25/23 Analyzed: 05/25/23		
Chloride	443	200	250	219	89.6	80-120	2.91	20	

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



Definitions and Notes

Tap Rock	Project Name:	Jackson Unit 918 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	05/26/23 14:14

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

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

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



Project Information

Chain of Custody

Page 1 of 1

Client: <u>Toplock</u>					Bill To					Lab Use Only					TAT				EPA Program																																			
Project: <u>Jackson 918H</u>					Attention: <u>ESS</u>					Lab WO# <u>E 305146</u>					Job Number <u>20046-0001</u>				1D	2D	3D	Standard	CWA	SDWA																														
Project Manager: <u>Natalie Gadden</u>					Address: <u>2724 NW COUNTY ROAD</u>					Analysis and Method									RCRA																																			
Address:					City, State, Zip <u>HOBBS, NM 88240</u>																																																	
City, State, Zip					Phone: <u>575-393-9048</u>					DRO/RO by 8015					GRO/RO by 8015					BTEX by 8021					VOC by 8160					Metals 6010					Chloride 300.0					RGDOC NM					RGDOC TX					State				
Phone:					EMAIL TO: <u>Natalie@energystaffingllc.com</u>																																																	
Email:					Dakoatah@energystaffingllc.com					NM					CO					UT					AZ					TX																								
Report due by:																																																						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks																																																
	05/23/23	S	1	SP 1-6'	1																																																	
	}	}	}	SP 2-6'	2																																																	
				SP 3-3'	3																																																	
				SP 4-3'	4																																																	
				SP 5-3'	5																																																	
	05/23/23	S	1	SP 6-4'	6																																																	

Additional Instructions:

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

Sampled by: Juan Solis

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only	
<u>Juan Solis</u>	05/23/23		<u>Michelle Cangel</u>	5-24-23	1540	Received on Ice: <u>Y/N</u>	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time		
<u>Michelle Cangel</u>	5-24-23	1815	<u>Andrew Musso</u>	5-24-23	1930	T1 T2 T3	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time		
<u>Andrew Musso</u>	5-24-23	2400	<u>Juan Solis</u>	5/25/23	7:30	AVG Temp °C <u>4.0</u>	

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

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

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability: Page 16 of 17 to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 5/25/2023 10:02:47AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Tap Rock	Date Received:	05/25/23 07:30	Work Order ID:	E305146
Phone:	(575) 390-6397	Date Logged In:	05/24/23 16:04	Logged In By:	Caitlin Mars
Email:	natalie@energystaffingllc.com	Due Date:	05/26/23 17:00 (1 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Time sampled not provided on COC per client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Natalie Gladden



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Tap Rock

Project Name: Jackson 918 H

Work Order: E401114

Job Number: 20046-0001

Received: 1/20/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/22/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 1/22/24

Natalie Gladden
7 W. Compress Road
Artesia, NM 88210



Project Name: Jackson 918 H
Workorder: E401114
Date Received: 1/20/2024 6:00:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/20/2024 6:00:00AM, under the Project Name: Jackson 918 H.

The analytical test results summarized in this report with the Project Name: Jackson 918 H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Sample Summary

Tap Rock	Project Name:	Jackson 918 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	01/22/24 17:30

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW1-2'	E401114-01A	Soil	01/17/24	01/20/24	Glass Jar, 2 oz.
SW2-2'	E401114-02A	Soil	01/17/24	01/20/24	Glass Jar, 2 oz.
SW3-2'	E401114-03A	Soil	01/17/24	01/20/24	Glass Jar, 2 oz.
SW4-2'	E401114-04A	Soil	01/17/24	01/20/24	Glass Jar, 2 oz.
SW5-2'	E401114-05A	Soil	01/17/24	01/20/24	Glass Jar, 2 oz.
SW6-2'	E401114-06A	Soil	01/17/24	01/20/24	Glass Jar, 2 oz.
SW7-2'	E401114-07A	Soil	01/17/24	01/20/24	Glass Jar, 2 oz.
SW8-2'	E401114-08A	Soil	01/17/24	01/20/24	Glass Jar, 2 oz.



Sample Data

Tap Rock	Project Name:	Jackson 918 H	Reported: 1/22/2024 5:30:47PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SW1-2'

E401114-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2403058	
Benzene	ND	0.0250	1	01/20/24	01/22/24	
Ethylbenzene	ND	0.0250	1	01/20/24	01/22/24	
Toluene	ND	0.0250	1	01/20/24	01/22/24	
o-Xylene	ND	0.0250	1	01/20/24	01/22/24	
p,m-Xylene	ND	0.0500	1	01/20/24	01/22/24	
Total Xylenes	ND	0.0250	1	01/20/24	01/22/24	
Surrogate: 4-Bromochlorobenzene-PID	92.2 %	70-130		01/20/24	01/22/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2403058	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/24	01/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.4 %	70-130		01/20/24	01/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2404001	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/22/24	01/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/22/24	01/22/24	
Surrogate: n-Nonane	105 %	50-200		01/22/24	01/22/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2404004	
Chloride	51.3	40.0	2	01/22/24	01/22/24	



Sample Data

Tap Rock	Project Name:	Jackson 918 H	Reported: 1/22/2024 5:30:47PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SW2-2'

E401114-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403058
Benzene	ND	0.0250	1	01/20/24	01/22/24	
Ethylbenzene	ND	0.0250	1	01/20/24	01/22/24	
Toluene	ND	0.0250	1	01/20/24	01/22/24	
o-Xylene	ND	0.0250	1	01/20/24	01/22/24	
p,m-Xylene	ND	0.0500	1	01/20/24	01/22/24	
Total Xylenes	ND	0.0250	1	01/20/24	01/22/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.6 %	70-130		01/20/24	01/22/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403058
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/24	01/22/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.4 %	70-130		01/20/24	01/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2404001
Diesel Range Organics (C10-C28)	ND	25.0	1	01/22/24	01/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/22/24	01/22/24	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		01/22/24	01/22/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2404004
Chloride	ND	40.0	2	01/22/24	01/22/24	



Sample Data

Tap Rock	Project Name:	Jackson 918 H	Reported: 1/22/2024 5:30:47PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SW3-2'

E401114-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2403058	
Benzene	ND	0.0250	1	01/20/24	01/22/24	
Ethylbenzene	ND	0.0250	1	01/20/24	01/22/24	
Toluene	ND	0.0250	1	01/20/24	01/22/24	
o-Xylene	ND	0.0250	1	01/20/24	01/22/24	
p,m-Xylene	ND	0.0500	1	01/20/24	01/22/24	
Total Xylenes	ND	0.0250	1	01/20/24	01/22/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.5 %	70-130		01/20/24	01/22/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2403058	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/24	01/22/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.9 %	70-130		01/20/24	01/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2404001	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/22/24	01/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/22/24	01/22/24	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		01/22/24	01/22/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2404004	
Chloride	ND	40.0	2	01/22/24	01/22/24	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson 918 H
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
1/22/2024 5:30:47PM

SW4-2'

E401114-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403058
Benzene	ND	0.0250	1	01/20/24	01/22/24	
Ethylbenzene	ND	0.0250	1	01/20/24	01/22/24	
Toluene	ND	0.0250	1	01/20/24	01/22/24	
o-Xylene	ND	0.0250	1	01/20/24	01/22/24	
p,m-Xylene	ND	0.0500	1	01/20/24	01/22/24	
Total Xylenes	ND	0.0250	1	01/20/24	01/22/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.6 %	70-130		01/20/24	01/22/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403058
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/24	01/22/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.4 %	70-130		01/20/24	01/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2404001
Diesel Range Organics (C10-C28)	ND	25.0	1	01/22/24	01/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/22/24	01/22/24	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		01/22/24	01/22/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2404004
Chloride	ND	20.0	1	01/22/24	01/22/24	



Sample Data

Tap Rock	Project Name:	Jackson 918 H	Reported: 1/22/2024 5:30:47PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SW5-2'

E401114-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2403058	
Benzene	ND	0.0250	1	01/20/24	01/22/24	
Ethylbenzene	ND	0.0250	1	01/20/24	01/22/24	
Toluene	ND	0.0250	1	01/20/24	01/22/24	
o-Xylene	ND	0.0250	1	01/20/24	01/22/24	
p,m-Xylene	ND	0.0500	1	01/20/24	01/22/24	
Total Xylenes	ND	0.0250	1	01/20/24	01/22/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.4 %	70-130		01/20/24	01/22/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2403058	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/24	01/22/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.9 %	70-130		01/20/24	01/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2404001	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/22/24	01/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/22/24	01/22/24	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		01/22/24	01/22/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2404004	
Chloride	ND	100	5	01/22/24	01/22/24	



Sample Data

Tap Rock	Project Name:	Jackson 918 H	Reported: 1/22/2024 5:30:47PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SW6-2'

E401114-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS		Batch: 2404011	
Benzene	ND	0.0250	1	01/22/24	01/22/24	
Ethylbenzene	ND	0.0250	1	01/22/24	01/22/24	
Toluene	ND	0.0250	1	01/22/24	01/22/24	
o-Xylene	ND	0.0250	1	01/22/24	01/22/24	
p,m-Xylene	ND	0.0500	1	01/22/24	01/22/24	
Total Xylenes	ND	0.0250	1	01/22/24	01/22/24	
Surrogate: 4-Bromochlorobenzene-PID	96.3 %	70-130		01/22/24	01/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS		Batch: 2404011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/22/24	01/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.1 %	70-130		01/22/24	01/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2404001	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/22/24	01/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/22/24	01/22/24	
Surrogate: n-Nonane	105 %	50-200		01/22/24	01/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2404004	
Chloride	ND	100	5	01/22/24	01/22/24	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson 918 H
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
1/22/2024 5:30:47PM

SW7-2'

E401114-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2404011
Benzene	ND	0.0250	1	01/22/24	01/22/24	
Ethylbenzene	ND	0.0250	1	01/22/24	01/22/24	
Toluene	ND	0.0250	1	01/22/24	01/22/24	
o-Xylene	ND	0.0250	1	01/22/24	01/22/24	
p,m-Xylene	ND	0.0500	1	01/22/24	01/22/24	
Total Xylenes	ND	0.0250	1	01/22/24	01/22/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.9 %	70-130		01/22/24	01/22/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2404011
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/22/24	01/22/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.1 %	70-130		01/22/24	01/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2404001
Diesel Range Organics (C10-C28)	ND	25.0	1	01/22/24	01/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/22/24	01/22/24	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		01/22/24	01/22/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2404004
Chloride	ND	100	5	01/22/24	01/22/24	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Jackson 918 H
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
1/22/2024 5:30:47PM

SW8-2'

E401114-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403058
Benzene	ND	0.0250	1	01/20/24	01/22/24	
Ethylbenzene	ND	0.0250	1	01/20/24	01/22/24	
Toluene	ND	0.0250	1	01/20/24	01/22/24	
o-Xylene	ND	0.0250	1	01/20/24	01/22/24	
p,m-Xylene	ND	0.0500	1	01/20/24	01/22/24	
Total Xylenes	ND	0.0250	1	01/20/24	01/22/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.8 %	70-130		01/20/24	01/22/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403058
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/24	01/22/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.6 %	70-130		01/20/24	01/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2404001
Diesel Range Organics (C10-C28)	ND	25.0	1	01/22/24	01/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/22/24	01/22/24	
<i>Surrogate: n-Nonane</i>						
	114 %	50-200		01/22/24	01/22/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2404004
Chloride	ND	100	5	01/22/24	01/22/24	



QC Summary Data

Tap Rock	Project Name:	Jackson 918 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/22/2024 5:30:47PM

Volatile Organics by EPA 8021B

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2403058-BLK1) Prepared: 01/20/24 Analyzed: 01/21/24

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	7.34		8.00		91.7	70-130			

LCS (2403058-BS1) Prepared: 01/20/24 Analyzed: 01/21/24

Benzene	4.75	0.0250	5.00		95.0	70-130			
Ethylbenzene	5.07	0.0250	5.00		101	70-130			
Toluene	5.11	0.0250	5.00		102	70-130			
o-Xylene	5.21	0.0250	5.00		104	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.7	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.41		8.00		92.6	70-130			

Matrix Spike (2403058-MS1) Source: E401112-03 Prepared: 01/20/24 Analyzed: 01/21/24

Benzene	4.55	0.0250	5.00	ND	91.0	54-133			
Ethylbenzene	4.88	0.0250	5.00	ND	97.5	61-133			
Toluene	4.91	0.0250	5.00	ND	98.2	61-130			
o-Xylene	5.01	0.0250	5.00	ND	100	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.37		8.00		92.1	70-130			

Matrix Spike Dup (2403058-MSD1) Source: E401112-03 Prepared: 01/20/24 Analyzed: 01/21/24

Benzene	4.53	0.0250	5.00	ND	90.6	54-133	0.395	20	
Ethylbenzene	4.88	0.0250	5.00	ND	97.6	61-133	0.0871	20	
Toluene	4.91	0.0250	5.00	ND	98.1	61-130	0.0122	20	
o-Xylene	5.02	0.0250	5.00	ND	100	63-131	0.220	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	0.214	20	
Total Xylenes	15.1	0.0250	15.0	ND	101	63-131	0.216	20	
Surrogate: 4-Bromochlorobenzene-PID	7.37		8.00		92.2	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson 918 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/22/2024 5:30:47PM

Volatile Organics by EPA 8021B

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2404011-BLK1) Prepared: 01/22/24 Analyzed: 01/22/24

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	7.78		8.00		97.2	70-130			

LCS (2404011-BS1) Prepared: 01/22/24 Analyzed: 01/22/24

Benzene	5.01	0.0250	5.00		100	70-130			
Ethylbenzene	4.83	0.0250	5.00		96.5	70-130			
Toluene	5.01	0.0250	5.00		100	70-130			
o-Xylene	4.96	0.0250	5.00		99.2	70-130			
p,m-Xylene	9.98	0.0500	10.0		99.8	70-130			
Total Xylenes	14.9	0.0250	15.0		99.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.87		8.00		98.4	70-130			

Matrix Spike (2404011-MS1) Source: E401123-05 Prepared: 01/22/24 Analyzed: 01/22/24

Benzene	5.18	0.0250	5.00	ND	104	54-133			
Ethylbenzene	5.00	0.0250	5.00	ND	99.9	61-133			
Toluene	5.19	0.0250	5.00	ND	104	61-130			
o-Xylene	5.14	0.0250	5.00	ND	103	63-131			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131			
Total Xylenes	15.5	0.0250	15.0	ND	103	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.06		8.00		101	70-130			

Matrix Spike Dup (2404011-MSD1) Source: E401123-05 Prepared: 01/22/24 Analyzed: 01/22/24

Benzene	5.15	0.0250	5.00	ND	103	54-133	0.541	20	
Ethylbenzene	4.97	0.0250	5.00	ND	99.5	61-133	0.453	20	
Toluene	5.16	0.0250	5.00	ND	103	61-130	0.503	20	
o-Xylene	5.12	0.0250	5.00	ND	102	63-131	0.452	20	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	0.486	20	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	0.475	20	
Surrogate: 4-Bromochlorobenzene-PID	8.07		8.00		101	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson 918 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/22/2024 5:30:47PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2403058-BLK1) Prepared: 01/20/24 Analyzed: 01/21/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.19		8.00		89.9	70-130			

LCS (2403058-BS2) Prepared: 01/20/24 Analyzed: 01/21/24

Gasoline Range Organics (C6-C10)	47.1	20.0	50.0		94.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.6	70-130			

Matrix Spike (2403058-MS2) Source: E401112-03 Prepared: 01/20/24 Analyzed: 01/21/24

Gasoline Range Organics (C6-C10)	48.1	20.0	50.0	ND	96.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		92.0	70-130			

Matrix Spike Dup (2403058-MSD2) Source: E401112-03 Prepared: 01/20/24 Analyzed: 01/21/24

Gasoline Range Organics (C6-C10)	49.0	20.0	50.0	ND	97.9	70-130	1.79	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson 918 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/22/2024 5:30:47PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2404011-BLK1) Prepared: 01/22/24 Analyzed: 01/22/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.31		8.00		91.4	70-130			

LCS (2404011-BS2) Prepared: 01/22/24 Analyzed: 01/22/24

Gasoline Range Organics (C6-C10)	44.9	20.0	50.0		89.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		92.0	70-130			

Matrix Spike (2404011-MS2) Source: E401123-05 Prepared: 01/22/24 Analyzed: 01/22/24

Gasoline Range Organics (C6-C10)	46.8	20.0	50.0	ND	93.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		91.0	70-130			

Matrix Spike Dup (2404011-MSD2) Source: E401123-05 Prepared: 01/22/24 Analyzed: 01/22/24

Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.2	70-130	0.531	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		92.0	70-130			



QC Summary Data

Tap Rock	Project Name:	Jackson 918 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/22/2024 5:30:47PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2404001-BLK1)					Prepared: 01/22/24 Analyzed: 01/22/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.9		50.0		102	50-200			

LCS (2404001-BS1)					Prepared: 01/22/24 Analyzed: 01/22/24				
Diesel Range Organics (C10-C28)	209	25.0	250		83.5	38-132			
Surrogate: n-Nonane	54.7		50.0		109	50-200			

Matrix Spike (2404001-MS1)					Source: E401112-04		Prepared: 01/22/24 Analyzed: 01/22/24		
Diesel Range Organics (C10-C28)	201	25.0	250	ND	80.5	38-132			
Surrogate: n-Nonane	50.9		50.0		102	50-200			

Matrix Spike Dup (2404001-MSD1)					Source: E401112-04		Prepared: 01/22/24 Analyzed: 01/22/24		
Diesel Range Organics (C10-C28)	195	25.0	250	ND	77.9	38-132	3.29	20	
Surrogate: n-Nonane	48.1		50.0		96.1	50-200			



QC Summary Data

Tap Rock	Project Name:	Jackson 918 H	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	1/22/2024 5:30:47PM

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2404004-BLK1)					Prepared: 01/22/24 Analyzed: 01/22/24				
Chloride	ND	20.0							
LCS (2404004-BS1)					Prepared: 01/22/24 Analyzed: 01/22/24				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2404004-MS1)					Source: E401112-02		Prepared: 01/22/24 Analyzed: 01/22/24		
Chloride	252	20.0	250	ND	101	80-120			
Matrix Spike Dup (2404004-MSD1)					Source: E401112-02		Prepared: 01/22/24 Analyzed: 01/22/24		
Chloride	253	20.0	250	ND	101	80-120	0.435	20	

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



Definitions and Notes

Tap Rock	Project Name:	Jackson 918 H	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	01/22/24 17:30

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information

Chain of Custody

Client: <u>TAPRock</u>		Bill To		Lab Use Only		TAT		EPA Program							
Project: <u>SACKSON 9184</u>		Attention: ENERGY STAFFING SERVICES		Lab WO# <u>E401114</u> Job Number <u>200460001</u>		1D 2D 3D Standard		CWA SDWA							
Project Manager:		Address: 2724 NW COUNTY RD		Analysis and Method				RCRA							
Address:		City, State, Zip HOBBS, NM 88240													
City, State, Zip		Phone: 575-393-9048													
Phone:		Email: NATALIE@ENERGYSTAFFINGLLC.COM						State							
Email:		BRITTNEY@ENERGYSTAFFINGLLC.COM						NM CO UT AZ TX							
Report due by:								Remarks							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	XL	BGDOC TX	
	1/17/24	S	1	SW1-2-	1							X			
				SW2-2-	2										
				SW3-2-	3										
				SW4-2-	4										
				SW5-2-	5										
				SW6-2-	6										
				SW7-2-	7										
	1/17/24	S	1	SW8-2-	8							X			
Additional Instructions:															
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only							
<u>Natalie Gay</u>		1/17/24		<u>Natalie Gay</u>		1-18-24	1245	Received on ice: <u>Y</u> N							
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3							
<u>Natalie Gay</u>		1-19-24	1520	<u>Andrew</u>		1-19-24	1630								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C							
<u>Andrew</u>		1-19-24	2300	<u>Andrew</u>		1/20/24	1600	4							
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.															

Envirotech Analytical Laboratory

Printed: 1/22/2024 2:27:06PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Tap Rock	Date Received:	01/20/24 06:00	Work Order ID:	E401114
Phone:	(575) 390-6397	Date Logged In:	01/19/24 16:52	Logged In By:	Alexa Michaels
Email:	natalie@energystaffingllc.com	Due Date:	01/22/24 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project manager and time sampled is not documented on the COC by client. Sample E401114-06 was mislabeled as SW7-2. Client was notified and client N. Gladden confirmed that the sample was in fact SW6-2 as documented on the COC.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

JACKSON UNIT #918H
DELINEATION SITE PHOTOS















































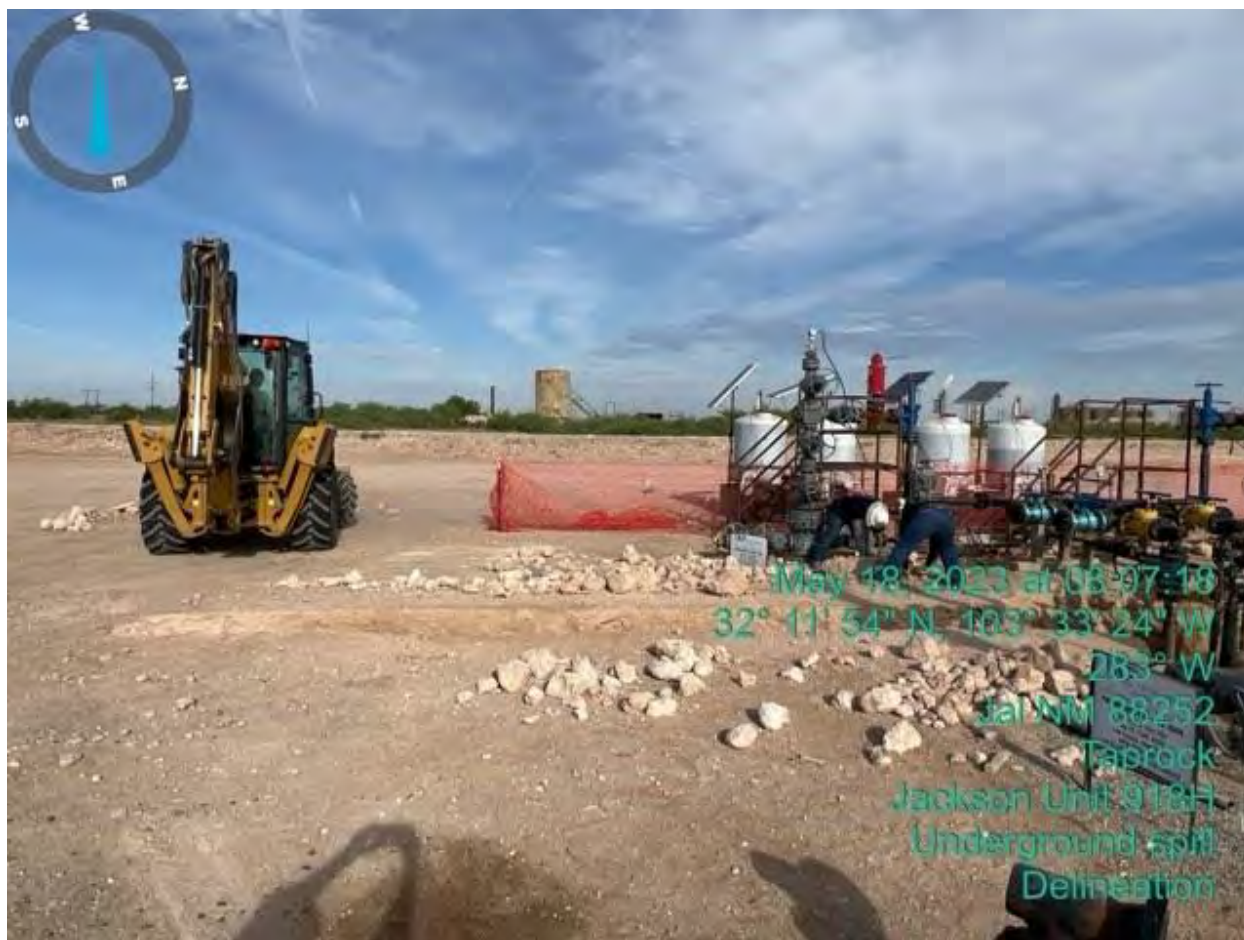






































Natalie Gladden

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Wednesday, August 2, 2023 2:05 PM
To: Natalie Gladden; ocdonline, emnrd, EMNRD; Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD; SLO Spills
Cc: 'Bill Ramsey'; Christian Combs
Subject: Re: [EXTERNAL] Tap Rock - Jackson 918H - Extension Request

Natalie,

Your 60-day time extension request is approved. Remediation Due date has been updated to October 10, 2023 within the incident page.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

Regards,

Nelson Velez • Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>



From: Natalie Gladden <natalie@energystaffingllc.com>
Sent: Wednesday, August 2, 2023 1:53 PM
To: ocdonline, emnrd, EMNRD <emnrd.ocdonline@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; SLO Spills <spills@slo.state.nm.us>

Cc: 'Bill Ramsey' <Bramsey@taprk.com>; Christian Combs <ccombs@taprk.com>
Subject: [EXTERNAL] Tap Rock - Jackson 918H - Extension Request

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 to request an 60-day extension for the below referenced release. This site has been partially delineated and are currently waiting on a scheduling conflict to hydro-vac out lines in the area of impact.

Jackson Unit 918H
DOR: 5/11/2023
Incident ID No. nAPP2313240173

Let me know if you have any questions let me know.

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



Natalie Gladden

From: Natalie Gladden
Sent: Monday, December 4, 2023 7:58 AM
To: ocdonline, emnrd, EMNRD; Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD; Velez, Nelson, EMNRD
Cc: 'Bill Ramsey'; Brittney Corral
Subject: Taprock - Jackson Unit 918H (Pad D) - Composite Request

Importance: High

All,

Please use this email as the official Composite Request for the following release:

Jackson Unit 918H (Pad D)
DOR 05/11/2023
Incident No. nAPP2313240173

Let me know 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

Office: 575-393-9048

Email: natalie@energystaffingllc.com



Natalie Gladden

From: Bill Ramsey <Bramsey@taprk.com>
Sent: Monday, December 4, 2023 3:40 PM
To: Natalie Gladden
Subject: FW: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 290976

For Prometheus D:

Jackson Unit 918H (Pad D)
DOR 05/11/2023
Incident No. nAPP2313240173

Thank you,
Bill Ramsey

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Monday, December 4, 2023 3:38 PM
To: Bill Ramsey <Bramsey@taprk.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 290976

[EXTERNAL] This email originated from outside your organization. Do not trust links or attachments.

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

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2313240173.

The sampling event is expected to take place:

When: 12/06/2023 @ 16:00
Where: O-22-24S-33E 0 FNL 0 FEL (32.1981185,-103.5566256)

Additional Information: ESS will be on location to pull composite samples starting 12/6/2023 from 4PM going into 12/8/2023. Natalie Gladden will be the point of contact for ESS: her phone number 575-390-6397. Her email is natalie@energystaffingllc.com

Additional Instructions: FROM INTERSECTION OF NM128 AND DIAMOND ROAD/J2 TURN SOUTH ONTO DIAMOND ROAD/J2 FOR .7 MILES, TURN LEFT FOR .2 MILES AND TURN RIGHT FOR .2 MILES TO LOCATION PAD

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

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

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

Company Name: TAPROCK

Location Name: JACKSON 918H

Release Date:


SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Soil
COMP1	2	240	L	ND	ND	ND	ND	ND	133	
COMP2	2	80	L	ND	ND	ND	ND	ND	ND	
COMP3	2	80	L	ND	ND	ND	ND	ND	ND	
COMP4	2	80	L	ND	ND	ND	ND	ND	ND	
COMP5	2	240	L	ND	ND	ND	ND	ND	120	
COMP6	2	240	L	ND	ND	ND	ND	ND	131	
COMP7	2	240	L	ND	ND	ND	ND	ND	131	
COMP8	2	80	L	ND	ND	ND	ND	ND	ND	
COMP9	2	80	L	ND	ND	ND	ND	ND	ND	
COMP10	2	80	L	ND	ND	ND	ND	ND	ND	
COMP11	2	240	L	ND	ND	ND	ND	ND	125	
COMP12	2	240	L	ND	ND	ND	ND	ND	131	
COMP13	2	240	L	ND	ND	ND	ND	ND	21.4	
COMP14	2	80	L	ND	ND	ND	ND	ND	181	
COMP15	2	240	L	ND	ND	ND	ND	ND	122	
COMP16	2	240	L	ND	ND	ND	ND	ND	116	


COMP17	2	80	L	ND	ND	ND	ND	ND	40.8	
COMP18	2	80	L	ND	ND	ND	ND	ND	ND	
SWCOMP1	2	240	L	ND	ND	ND	ND	ND	106	
SWCOMP2	2	240	L	ND	ND	ND	ND	ND	109	
SWCOMP3	2	80	L	ND	ND	ND	ND	ND	ND	
SWCOMP4	2	240	L	ND	ND	ND	ND	ND	109	
SWCOMP5	2	80	L	ND	ND	ND	ND	ND	ND	
SWCOMP6	2	240	L	ND	ND	ND	ND	ND	106	
SWCOMP7	2	240	L	ND	ND	ND	ND	ND	104	
SWCOMP8	2	240	L	ND	ND	ND	ND	ND	106	
SWCOMP9	2	80	L	ND	ND	ND	ND	ND	ND	
SWCOMP10	2	80	L	ND	ND	ND	ND	ND	ND	
SWCOMP11	2	240	L	ND	ND	ND	ND	ND	108	
SWCOMP12	2	240	L	ND	ND	ND	ND	ND	103	

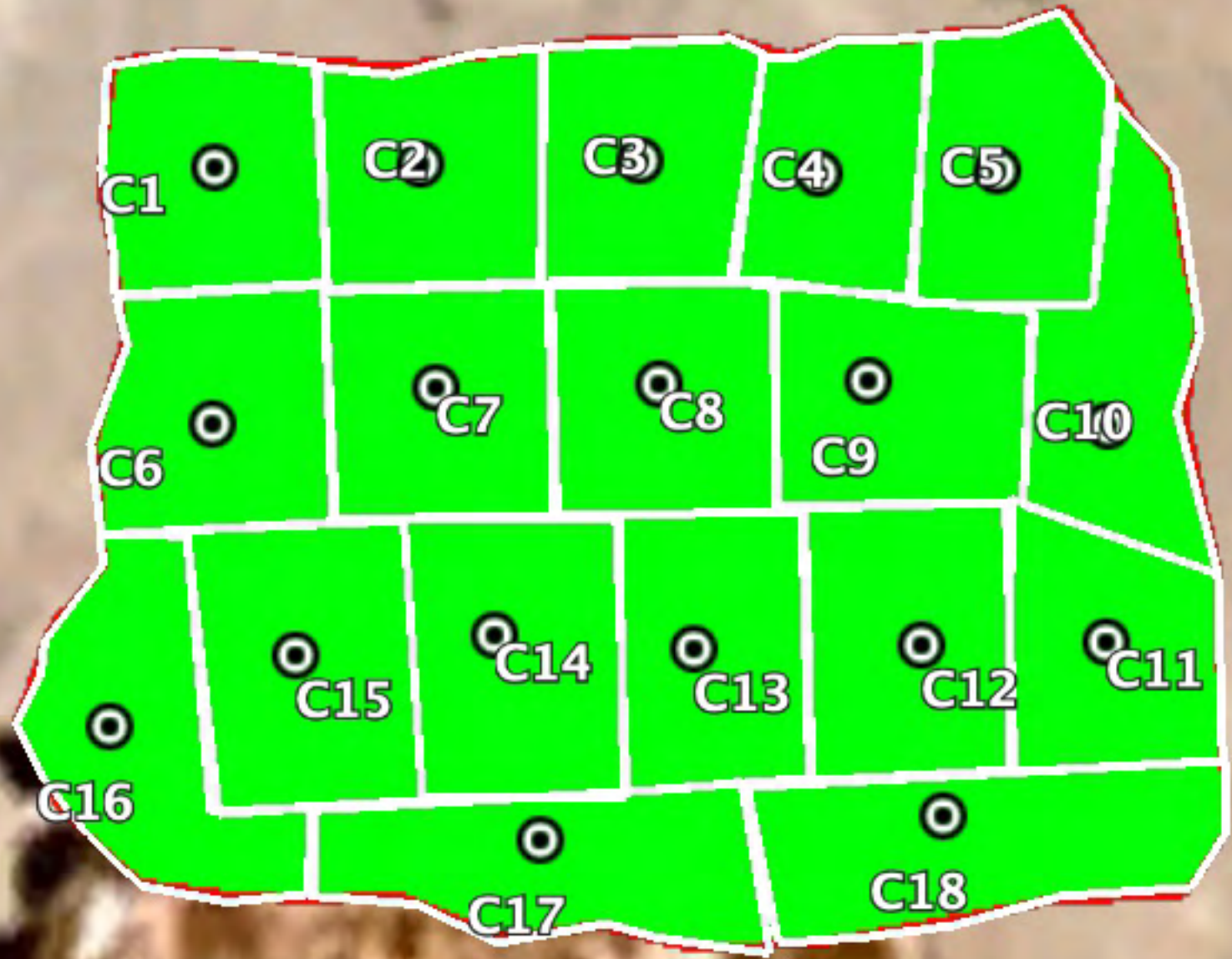
Taprock Prometheus State Com 918H 3601 SQ. FT.

- Composites 18

Legend

 Composite #

 Taprock Prometheus State Com 918H 3601 SQ. FT.



CLIENTS Taprock
LOCATION Taprock Prometheus State Com 918H

SAMPLE ID	LAT	LONG
Composite 1	32;11'53.78"N	103;33'24.26"W
Composite 2	32;11'53.78"N	103;33'24.11"W
Composite 3	32;11'53.78"N	103;33'23.95"W
Composite 4	32;11'53.77"N	103;33'23.82"W
Composite 5	32;11'53.77"N	103;33'23.69"W
Composite 6	32;11'53.62"N	103;33'24.26"W
Composite 7	32;11'53.64"N	103;33'24.10"W
Composite 8	32;11'53.64"N	103;33'23.94"W
Composite 9	32;11'53.64"N	103;33'23.79"W
Composite 10	32;11'53.61"N	103;33'23.62"W
Composite 11	32;11'53.48"N	103;33'23.63"W
Composite 12	32;11'53.48"N	103;33'23.76"W
Composite 13	32;11'53.48"N	103;33'23.92"W
Composite 14	32;11'53.49"N	103;33'24.06"W
Composite 15	32;11'53.48"N	103;33'24.20"W
Composite 16	32;11'53.44"N	103;33'24.33"W
Composite 17	32;11'53.37"N	103;33'24.03"W
Composite 18	32;11'53.38"N	103;33'23.75"W

TAP ROCK
JACKSON UNIT #918H
SIDEWALL COMPOSITE MAP

Legend

- EXCAVATION AREA
- SIDEWALL COMPOSITES



COMPANY: TAP ROCK**LOCATION: JACKSON UNIT #918H**

POINT	LATITUDE	LONGITUDE
CSW1	32.198288°	-103.556760°
CSW2	32.198287°	-103.556698°
CSW3	32.198287°	-103.556620°
CSW4	32.198296°	-103.556564°
CSW5	32.198250°	-103.556544°
CSW6	32.198198°	-103.556541°
CSW7	32.198144°	-103.556551°
CSW8	32.198137°	-103.556619°
CSW9	32.198148°	-103.556705°
CSW10	32.198173°	-103.556777°
CSW11	32.198199°	-103.556759°
CSW12	32.198237°	-103.556756°

Report to:
Natalie Gladden



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Tap Rock

Project Name: Prometheus Pad D

Work Order: E312081

Job Number: 20046-0001

Received: 12/13/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/14/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 12/14/23

Natalie Gladden
7 W. Compress Road
Artesia, NM 88210



Project Name: Prometheus Pad D
Workorder: E312081
Date Received: 12/13/2023 1:00:00PM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/13/2023 1:00:00PM, under the Project Name: Prometheus Pad D.

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

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

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

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

Respectfully,

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Sample Summary

Tap Rock	Project Name:	Prometheus Pad D	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/14/23 14:28

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP Comp 1	E312081-01A	Soil	12/11/23	12/13/23	Glass Jar, 2 oz.
SP Comp 2	E312081-02A	Soil	12/11/23	12/13/23	Glass Jar, 2 oz.
SP Comp 3	E312081-03A	Soil	12/11/23	12/13/23	Glass Jar, 2 oz.
SP Comp 4	E312081-04A	Soil	12/11/23	12/13/23	Glass Jar, 2 oz.
SP Comp 5	E312081-05A	Soil	12/11/23	12/13/23	Glass Jar, 2 oz.
SP Comp 6	E312081-06A	Soil	12/11/23	12/13/23	Glass Jar, 2 oz.
SP Comp 7	E312081-07A	Soil	12/11/23	12/13/23	Glass Jar, 2 oz.
SP Comp 8	E312081-08A	Soil	12/11/23	12/13/23	Glass Jar, 2 oz.
SP Comp 9	E312081-09A	Soil	12/11/23	12/13/23	Glass Jar, 2 oz.
SP Comp 10-2'	E312081-10A	Soil	12/11/23	12/13/23	Glass Jar, 2 oz.
SP Comp 11-2'	E312081-11A	Soil	12/11/23	12/13/23	Glass Jar, 2 oz.
SP Comp 12-2'	E312081-12A	Soil	12/11/23	12/13/23	Glass Jar, 2 oz.
SP Comp 13-2'	E312081-13A	Soil	12/11/23	12/13/23	Glass Jar, 2 oz.
SP Comp 14-2'	E312081-14A	Soil	12/11/23	12/13/23	Glass Jar, 2 oz.
SP Comp 15-2'	E312081-15A	Soil	12/11/23	12/13/23	Glass Jar, 2 oz.
SP Comp 16-2'	E312081-16A	Soil	12/11/23	12/13/23	Glass Jar, 2 oz.
SP Comp 17-2'	E312081-17A	Soil	12/11/23	12/13/23	Glass Jar, 2 oz.
SP Comp 18-2'	E312081-18A	Soil	12/11/23	12/13/23	Glass Jar, 2 oz.



Sample Data

Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Prometheus Pad D Project Number: 20046-0001 Project Manager: Natalie Gladden	Reported: 12/14/2023 2:28:16PM
---	--	--

SP Comp 1

E312081-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350060
Benzene	ND	0.0250	1	12/13/23	12/13/23	
Ethylbenzene	ND	0.0250	1	12/13/23	12/13/23	
Toluene	ND	0.0250	1	12/13/23	12/13/23	
o-Xylene	ND	0.0250	1	12/13/23	12/13/23	
p,m-Xylene	ND	0.0500	1	12/13/23	12/13/23	
Total Xylenes	ND	0.0250	1	12/13/23	12/13/23	
<i>Surrogate: Bromofluorobenzene</i>	98.0 %	70-130		12/13/23	12/13/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	98.4 %	70-130		12/13/23	12/13/23	
<i>Surrogate: Toluene-d8</i>	95.6 %	70-130		12/13/23	12/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350060
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/23	12/13/23	
<i>Surrogate: Bromofluorobenzene</i>	98.0 %	70-130		12/13/23	12/13/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	98.4 %	70-130		12/13/23	12/13/23	
<i>Surrogate: Toluene-d8</i>	95.6 %	70-130		12/13/23	12/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2350066
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/13/23	
<i>Surrogate: n-Nonane</i>	90.0 %	50-200		12/13/23	12/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2350054
Chloride	133	20.0	1	12/13/23	12/13/23	



Sample Data

Tap Rock	Project Name:	Prometheus Pad D	Reported: 12/14/2023 2:28:16PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP Comp 2
E312081-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2350060	
Benzene	ND	0.0250	1	12/13/23	12/13/23	
Ethylbenzene	ND	0.0250	1	12/13/23	12/13/23	
Toluene	ND	0.0250	1	12/13/23	12/13/23	
o-Xylene	ND	0.0250	1	12/13/23	12/13/23	
p,m-Xylene	ND	0.0500	1	12/13/23	12/13/23	
Total Xylenes	ND	0.0250	1	12/13/23	12/13/23	
Surrogate: Bromofluorobenzene	98.2 %	70-130		12/13/23	12/13/23	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		12/13/23	12/13/23	
Surrogate: Toluene-d8	95.7 %	70-130		12/13/23	12/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2350060	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/23	12/13/23	
Surrogate: Bromofluorobenzene	98.2 %	70-130		12/13/23	12/13/23	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		12/13/23	12/13/23	
Surrogate: Toluene-d8	95.7 %	70-130		12/13/23	12/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2350066	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/13/23	
Surrogate: n-Nonane	86.4 %	50-200		12/13/23	12/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2350054	
Chloride	ND	100	5	12/13/23	12/13/23	



Sample Data

Tap Rock	Project Name:	Prometheus Pad D	Reported: 12/14/2023 2:28:16PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP Comp 3
E312081-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2350060	
Benzene	ND	0.0250	1	12/13/23	12/13/23	
Ethylbenzene	ND	0.0250	1	12/13/23	12/13/23	
Toluene	ND	0.0250	1	12/13/23	12/13/23	
o-Xylene	ND	0.0250	1	12/13/23	12/13/23	
p,m-Xylene	ND	0.0500	1	12/13/23	12/13/23	
Total Xylenes	ND	0.0250	1	12/13/23	12/13/23	
Surrogate: Bromofluorobenzene	97.9 %	70-130		12/13/23	12/13/23	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		12/13/23	12/13/23	
Surrogate: Toluene-d8	95.6 %	70-130		12/13/23	12/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2350060	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/23	12/13/23	
Surrogate: Bromofluorobenzene	97.9 %	70-130		12/13/23	12/13/23	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		12/13/23	12/13/23	
Surrogate: Toluene-d8	95.6 %	70-130		12/13/23	12/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2350066	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/13/23	
Surrogate: n-Nonane	90.6 %	50-200		12/13/23	12/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2350054	
Chloride	ND	100	5	12/13/23	12/13/23	



Sample Data

Tap Rock	Project Name:	Prometheus Pad D	Reported: 12/14/2023 2:28:16PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP Comp 4

E312081-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350060
Benzene	ND	0.0250	1	12/13/23	12/13/23	
Ethylbenzene	ND	0.0250	1	12/13/23	12/13/23	
Toluene	ND	0.0250	1	12/13/23	12/13/23	
o-Xylene	ND	0.0250	1	12/13/23	12/13/23	
p,m-Xylene	ND	0.0500	1	12/13/23	12/13/23	
Total Xylenes	ND	0.0250	1	12/13/23	12/13/23	
Surrogate: Bromofluorobenzene	98.0 %	70-130		12/13/23	12/13/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		12/13/23	12/13/23	
Surrogate: Toluene-d8	95.6 %	70-130		12/13/23	12/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350060
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/23	12/13/23	
Surrogate: Bromofluorobenzene	98.0 %	70-130		12/13/23	12/13/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		12/13/23	12/13/23	
Surrogate: Toluene-d8	95.6 %	70-130		12/13/23	12/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2350066
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/13/23	
Surrogate: n-Nonane	89.8 %	50-200		12/13/23	12/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2350054
Chloride	ND	100	5	12/13/23	12/13/23	



Sample Data

Tap Rock	Project Name:	Prometheus Pad D	Reported: 12/14/2023 2:28:16PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP Comp 5
E312081-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2350060	
Benzene	ND	0.0250	1	12/13/23	12/13/23	
Ethylbenzene	ND	0.0250	1	12/13/23	12/13/23	
Toluene	ND	0.0250	1	12/13/23	12/13/23	
o-Xylene	ND	0.0250	1	12/13/23	12/13/23	
p,m-Xylene	ND	0.0500	1	12/13/23	12/13/23	
Total Xylenes	ND	0.0250	1	12/13/23	12/13/23	
Surrogate: Bromofluorobenzene	98.1 %	70-130		12/13/23	12/13/23	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		12/13/23	12/13/23	
Surrogate: Toluene-d8	94.9 %	70-130		12/13/23	12/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2350060	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/23	12/13/23	
Surrogate: Bromofluorobenzene	98.1 %	70-130		12/13/23	12/13/23	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		12/13/23	12/13/23	
Surrogate: Toluene-d8	94.9 %	70-130		12/13/23	12/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2350066	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/13/23	
Surrogate: n-Nonane	90.5 %	50-200		12/13/23	12/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2350054	
Chloride	120	20.0	1	12/13/23	12/13/23	



Sample Data

Tap Rock	Project Name:	Prometheus Pad D	Reported: 12/14/2023 2:28:16PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP Comp 6

E312081-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350060
Benzene	ND	0.0250	1	12/13/23	12/13/23	
Ethylbenzene	ND	0.0250	1	12/13/23	12/13/23	
Toluene	ND	0.0250	1	12/13/23	12/13/23	
o-Xylene	ND	0.0250	1	12/13/23	12/13/23	
p,m-Xylene	ND	0.0500	1	12/13/23	12/13/23	
Total Xylenes	ND	0.0250	1	12/13/23	12/13/23	
Surrogate: Bromofluorobenzene	97.6 %	70-130		12/13/23	12/13/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		12/13/23	12/13/23	
Surrogate: Toluene-d8	95.3 %	70-130		12/13/23	12/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350060
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/23	12/13/23	
Surrogate: Bromofluorobenzene	97.6 %	70-130		12/13/23	12/13/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		12/13/23	12/13/23	
Surrogate: Toluene-d8	95.3 %	70-130		12/13/23	12/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2350066
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/14/23	
Surrogate: n-Nonane	91.4 %	50-200		12/13/23	12/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2350054
Chloride	131	20.0	1	12/13/23	12/13/23	



Sample Data

Tap Rock	Project Name:	Prometheus Pad D	Reported: 12/14/2023 2:28:16PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP Comp 7
E312081-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2350060	
Benzene	ND	0.0250	1	12/13/23	12/13/23	
Ethylbenzene	ND	0.0250	1	12/13/23	12/13/23	
Toluene	ND	0.0250	1	12/13/23	12/13/23	
o-Xylene	ND	0.0250	1	12/13/23	12/13/23	
p,m-Xylene	ND	0.0500	1	12/13/23	12/13/23	
Total Xylenes	ND	0.0250	1	12/13/23	12/13/23	
Surrogate: Bromofluorobenzene	98.9 %	70-130		12/13/23	12/13/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		12/13/23	12/13/23	
Surrogate: Toluene-d8	95.9 %	70-130		12/13/23	12/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2350060	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/23	12/13/23	
Surrogate: Bromofluorobenzene	98.9 %	70-130		12/13/23	12/13/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		12/13/23	12/13/23	
Surrogate: Toluene-d8	95.9 %	70-130		12/13/23	12/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2350066	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/14/23	
Surrogate: n-Nonane	91.7 %	50-200		12/13/23	12/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2350054	
Chloride	131	20.0	1	12/13/23	12/13/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Prometheus Pad D
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
12/14/2023 2:28:16PM

SP Comp 8

E312081-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350060
Benzene	ND	0.0250	1	12/13/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/13/23	12/14/23	
Toluene	ND	0.0250	1	12/13/23	12/14/23	
o-Xylene	ND	0.0250	1	12/13/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/13/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene	97.8 %	70-130		12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		12/13/23	12/14/23	
Surrogate: Toluene-d8	95.5 %	70-130		12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350060
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene	97.8 %	70-130		12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		12/13/23	12/14/23	
Surrogate: Toluene-d8	95.5 %	70-130		12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2350066
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/14/23	
Surrogate: n-Nonane	90.9 %	50-200		12/13/23	12/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2350054
Chloride	ND	100	5	12/13/23	12/13/23	



Sample Data

Tap Rock	Project Name:	Prometheus Pad D	Reported: 12/14/2023 2:28:16PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP Comp 9
E312081-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2350060	
Benzene	ND	0.0250	1	12/13/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/13/23	12/14/23	
Toluene	ND	0.0250	1	12/13/23	12/14/23	
o-Xylene	ND	0.0250	1	12/13/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/13/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene	98.4 %	70-130		12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		12/13/23	12/14/23	
Surrogate: Toluene-d8	95.2 %	70-130		12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2350060	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene	98.4 %	70-130		12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		12/13/23	12/14/23	
Surrogate: Toluene-d8	95.2 %	70-130		12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2350066	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/14/23	
Surrogate: n-Nonane	87.2 %	50-200		12/13/23	12/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2350054	
Chloride	ND	100	5	12/13/23	12/13/23	



Sample Data

Tap Rock	Project Name:	Prometheus Pad D	Reported: 12/14/2023 2:28:16PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP Comp 10-2'
E312081-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2350060	
Benzene	ND	0.0250	1	12/13/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/13/23	12/14/23	
Toluene	ND	0.0250	1	12/13/23	12/14/23	
o-Xylene	ND	0.0250	1	12/13/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/13/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene	98.7 %	70-130		12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		12/13/23	12/14/23	
Surrogate: Toluene-d8	96.3 %	70-130		12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2350060	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene	98.7 %	70-130		12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		12/13/23	12/14/23	
Surrogate: Toluene-d8	96.3 %	70-130		12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2350066	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/14/23	
Surrogate: n-Nonane	87.5 %	50-200		12/13/23	12/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2350054	
Chloride	ND	100	5	12/13/23	12/13/23	



Sample Data

Tap Rock	Project Name:	Prometheus Pad D	Reported: 12/14/2023 2:28:16PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP Comp 11-2'
E312081-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350060
Benzene	ND	0.0250	1	12/13/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/13/23	12/14/23	
Toluene	ND	0.0250	1	12/13/23	12/14/23	
o-Xylene	ND	0.0250	1	12/13/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/13/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene	97.8 %	70-130		12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		12/13/23	12/14/23	
Surrogate: Toluene-d8	96.1 %	70-130		12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350060
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene	97.8 %	70-130		12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		12/13/23	12/14/23	
Surrogate: Toluene-d8	96.1 %	70-130		12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2350066
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/14/23	
Surrogate: n-Nonane	93.7 %	50-200		12/13/23	12/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2350054
Chloride	125	20.0	1	12/13/23	12/13/23	



Sample Data

Tap Rock	Project Name:	Prometheus Pad D	Reported: 12/14/2023 2:28:16PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP Comp 12-2'
E312081-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2350060	
Benzene	ND	0.0250	1	12/13/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/13/23	12/14/23	
Toluene	ND	0.0250	1	12/13/23	12/14/23	
o-Xylene	ND	0.0250	1	12/13/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/13/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene	97.4 %	70-130		12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		12/13/23	12/14/23	
Surrogate: Toluene-d8	95.8 %	70-130		12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2350060	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene	97.4 %	70-130		12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		12/13/23	12/14/23	
Surrogate: Toluene-d8	95.8 %	70-130		12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2350066	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/14/23	
Surrogate: n-Nonane	90.9 %	50-200		12/13/23	12/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2350054	
Chloride	131	20.0	1	12/13/23	12/13/23	



Sample Data

Tap Rock	Project Name:	Prometheus Pad D	Reported: 12/14/2023 2:28:16PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP Comp 13-2'
E312081-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2350060	
Benzene	ND	0.0250	1	12/13/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/13/23	12/14/23	
Toluene	ND	0.0250	1	12/13/23	12/14/23	
o-Xylene	ND	0.0250	1	12/13/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/13/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene	97.1 %	70-130		12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		12/13/23	12/14/23	
Surrogate: Toluene-d8	95.1 %	70-130		12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2350060	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene	97.1 %	70-130		12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		12/13/23	12/14/23	
Surrogate: Toluene-d8	95.1 %	70-130		12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2350066	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/14/23	
Surrogate: n-Nonane	92.4 %	50-200		12/13/23	12/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2350054	
Chloride	21.4	20.0	1	12/13/23	12/13/23	



Sample Data

Tap Rock	Project Name:	Prometheus Pad D	Reported: 12/14/2023 2:28:16PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP Comp 14-2'
E312081-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2350060	
Benzene	ND	0.0250	1	12/13/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/13/23	12/14/23	
Toluene	ND	0.0250	1	12/13/23	12/14/23	
o-Xylene	ND	0.0250	1	12/13/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/13/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene	98.9 %	70-130		12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4	99.1 %	70-130		12/13/23	12/14/23	
Surrogate: Toluene-d8	95.2 %	70-130		12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2350060	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene	98.9 %	70-130		12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4	99.1 %	70-130		12/13/23	12/14/23	
Surrogate: Toluene-d8	95.2 %	70-130		12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2350066	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/14/23	
Surrogate: n-Nonane	91.1 %	50-200		12/13/23	12/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2350054	
Chloride	181	100	5	12/13/23	12/13/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Prometheus Pad D
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
12/14/2023 2:28:16PM

SP Comp 15-2'

E312081-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350060
Benzene	ND	0.0250	1	12/13/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/13/23	12/14/23	
Toluene	ND	0.0250	1	12/13/23	12/14/23	
o-Xylene	ND	0.0250	1	12/13/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/13/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene	98.2 %	70-130		12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130		12/13/23	12/14/23	
Surrogate: Toluene-d8	95.6 %	70-130		12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350060
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene	98.2 %	70-130		12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130		12/13/23	12/14/23	
Surrogate: Toluene-d8	95.6 %	70-130		12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2350066
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/14/23	
Surrogate: n-Nonane	94.9 %	50-200		12/13/23	12/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2350054
Chloride	122	20.0	1	12/13/23	12/13/23	



Sample Data

Tap Rock	Project Name:	Prometheus Pad D	Reported: 12/14/2023 2:28:16PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP Comp 16-2'
E312081-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2350060	
Benzene	ND	0.0250	1	12/13/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/13/23	12/14/23	
Toluene	ND	0.0250	1	12/13/23	12/14/23	
o-Xylene	ND	0.0250	1	12/13/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/13/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene	97.8 %	70-130		12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		12/13/23	12/14/23	
Surrogate: Toluene-d8	96.1 %	70-130		12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2350060	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene	97.8 %	70-130		12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		12/13/23	12/14/23	
Surrogate: Toluene-d8	96.1 %	70-130		12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2350066	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/14/23	
Surrogate: n-Nonane	93.5 %	50-200		12/13/23	12/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2350054	
Chloride	116	20.0	1	12/13/23	12/13/23	



Sample Data

Tap Rock	Project Name:	Prometheus Pad D	Reported: 12/14/2023 2:28:16PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP Comp 17-2'
E312081-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2350060	
Benzene	ND	0.0250	1	12/13/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/13/23	12/14/23	
Toluene	ND	0.0250	1	12/13/23	12/14/23	
o-Xylene	ND	0.0250	1	12/13/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/13/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene	98.6 %	70-130		12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		12/13/23	12/14/23	
Surrogate: Toluene-d8	96.0 %	70-130		12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2350060	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene	98.6 %	70-130		12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		12/13/23	12/14/23	
Surrogate: Toluene-d8	96.0 %	70-130		12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2350066	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/14/23	
Surrogate: n-Nonane	91.3 %	50-200		12/13/23	12/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2350054	
Chloride	40.8	40.0	2	12/13/23	12/14/23	



Sample Data

Tap Rock	Project Name:	Prometheus Pad D	Reported: 12/14/2023 2:28:16PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SP Comp 18-2'
E312081-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2350060	
Benzene	ND	0.0250	1	12/13/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/13/23	12/14/23	
Toluene	ND	0.0250	1	12/13/23	12/14/23	
o-Xylene	ND	0.0250	1	12/13/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/13/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene	97.2 %	70-130		12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		12/13/23	12/14/23	
Surrogate: Toluene-d8	96.2 %	70-130		12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2350060	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene	97.2 %	70-130		12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		12/13/23	12/14/23	
Surrogate: Toluene-d8	96.2 %	70-130		12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2350066	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/14/23	
Surrogate: n-Nonane	94.0 %	50-200		12/13/23	12/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2350054	
Chloride	ND	100	5	12/13/23	12/14/23	



QC Summary Data

Tap Rock	Project Name:	Prometheus Pad D	Reported: 12/14/2023 2:28:16PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2350060-BLK1) Prepared: 12/13/23 Analyzed: 12/13/23

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	0.491		0.500		98.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.1	70-130			
Surrogate: Toluene-d8	0.478		0.500		95.6	70-130			

LCS (2350060-BS1) Prepared: 12/13/23 Analyzed: 12/13/23

Benzene	2.37	0.0250	2.50		94.7	70-130			
Ethylbenzene	2.27	0.0250	2.50		90.6	70-130			
Toluene	2.24	0.0250	2.50		89.7	70-130			
o-Xylene	2.26	0.0250	2.50		90.4	70-130			
p,m-Xylene	4.40	0.0500	5.00		88.0	70-130			
Total Xylenes	6.66	0.0250	7.50		88.8	70-130			
Surrogate: Bromofluorobenzene	0.494		0.500		98.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130			
Surrogate: Toluene-d8	0.479		0.500		95.7	70-130			

LCS Dup (2350060-BSD1) Prepared: 12/13/23 Analyzed: 12/13/23

Benzene	2.10	0.0250	2.50		84.0	70-130	11.9	23	
Ethylbenzene	2.02	0.0250	2.50		80.7	70-130	11.6	27	
Toluene	2.00	0.0250	2.50		79.8	70-130	11.7	24	
o-Xylene	2.05	0.0250	2.50		81.8	70-130	10.0	27	
p,m-Xylene	3.97	0.0500	5.00		79.4	70-130	10.3	27	
Total Xylenes	6.01	0.0250	7.50		80.2	70-130	10.2	27	
Surrogate: Bromofluorobenzene	0.498		0.500		99.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.475		0.500		94.9	70-130			



QC Summary Data

Tap Rock	Project Name:	Prometheus Pad D	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/14/2023 2:28:16PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2350060-BLK1) Prepared: 12/13/23 Analyzed: 12/13/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.491		0.500		98.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.1	70-130			
Surrogate: Toluene-d8	0.478		0.500		95.6	70-130			

LCS (2350060-BS2) Prepared: 12/13/23 Analyzed: 12/13/23

Gasoline Range Organics (C6-C10)	41.6	20.0	50.0		83.2	70-130			
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.480		0.500		95.9	70-130			

LCS Dup (2350060-BSD2) Prepared: 12/13/23 Analyzed: 12/13/23

Gasoline Range Organics (C6-C10)	43.1	20.0	50.0		86.1	70-130	3.51	20	
Surrogate: Bromofluorobenzene	0.498		0.500		99.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9	70-130			
Surrogate: Toluene-d8	0.483		0.500		96.5	70-130			



QC Summary Data

Tap Rock	Project Name:	Prometheus Pad D	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/14/2023 2:28:16PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2350066-BLK1) Prepared: 12/13/23 Analyzed: 12/13/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.3		50.0		90.6	50-200			

LCS (2350066-BS1) Prepared: 12/13/23 Analyzed: 12/13/23

Diesel Range Organics (C10-C28)	230	25.0	250		91.9	38-132			
Surrogate: n-Nonane	45.6		50.0		91.3	50-200			

Matrix Spike (2350066-MS1) Source: E312081-04 Prepared: 12/13/23 Analyzed: 12/13/23

Diesel Range Organics (C10-C28)	237	25.0	250	ND	94.9	38-132			
Surrogate: n-Nonane	46.5		50.0		93.1	50-200			

Matrix Spike Dup (2350066-MSD1) Source: E312081-04 Prepared: 12/13/23 Analyzed: 12/13/23

Diesel Range Organics (C10-C28)	240	25.0	250	ND	95.8	38-132	1.01	20	
Surrogate: n-Nonane	43.7		50.0		87.3	50-200			



QC Summary Data

Tap Rock	Project Name:	Prometheus Pad D	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/14/2023 2:28:16PM

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2350054-BLK1)					Prepared: 12/13/23 Analyzed: 12/13/23				
Chloride	ND	20.0							
LCS (2350054-BS1)					Prepared: 12/13/23 Analyzed: 12/13/23				
Chloride	249	20.0	250		99.5	90-110			
LCS Dup (2350054-BSD1)					Prepared: 12/13/23 Analyzed: 12/13/23				
Chloride	248	20.0	250		99.3	90-110	0.199	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:	Prometheus Pad D	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/14/23 14:28

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 1 of 2

Client: <u>Tap Rock</u>				Bill To				Lab Use Only				TAT				EPA Program					
Project: <u>Boone Creek Pad D</u>				Attention: ENERGY STAFFING SERVICES				Lab WO# <u>E312081</u>				Job Number <u>200460001</u>				1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Natalie</u>				Address: 2724 NW COUNTY RD				Analysis and Method													
Address:				City, State, Zip HOBBS, NM 88240																	
City, State, Zip				Phone: 575-393-9048																	
Phone:				Email: NATALIE@ENERGYSTAFFINGLLC.COM																	
Email:				BRITTNEY@ENERGYSTAFFINGLLC.COM																	
Report due by:																					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
	12/11/23	S	1	SP COMP 1	1									
				SP COMP 2	2									
				SP COMP 3	3									
				SP COMP 4	4									
				SP COMP 5	5									
				SP COMP 6	6									
				SP COMP 7	7									
				SP COMP 8	8									
				SP COMP 9	9									
	12/11/23	S	1	SP COMP 10-2	10									

Additional Instructions:

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

Relinquished by: (Signature) [Signature] Date 12-11-23 Time

Received by: (Signature) [Signature] Date 12-12-23 Time 1230

Relinquished by: (Signature) [Signature] Date 12-12-23 Time 1545

Received by: (Signature) [Signature] Date 12/13/23 Time 1300

Relinquished by: (Signature) Date Time

Received by: (Signature) Date Time

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

Received on ice: Y / N

T1 T2 T3

AVG Temp °C 4

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

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

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

Project Information

Chain of Custody

Page 2 of 2

Client: <u>Top Rock</u>				Bill To				Lab Use Only				TAT				EPA Program			
Project: <u>Praneth pad D</u>				Attention: ENERGY STAFFING SERVICES				Lab WO# <u>E32081</u>				Job Number <u>200460001</u>				CWA			
Project Manager: <u>Natalie</u>				Address: 2724 NW COUNTY RD								1D				2D			
Address:				City, State, Zip HOBBS, NM 88240								3D				Standard			
City, State, Zip				Phone: 575-393-9048												RCRA			
Phone:				Email: NATALIE@ENERGYSTAFFINGLLC.COM												State			
Email:				BRITTNEY@ENERGYSTAFFINGLLC.COM												NM CO UT AZ TX			
Report due by:																Remarks			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX						
	12/11/23	S	1	DP Comp 11 - 2'	11							✓							
				DP Comp 12 - 2'	12														
				DP Comp 13 - 2'	13														
				DP Comp 14 - 2'	14														
				DP Comp 15 - 2'	15														
				DP Comp 16 - 2'	16														
				DP Comp 17 - 2'	17														
				DP Comp 18 - 2'	18							✓							

Additional Instructions:

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

Sampled by: Joe X. Alvarez

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
<u>Joe X. Alvarez</u>	12-11-23		<u>Michelle Gayle</u>	12-12-23	1230	Received on ice: <u>Y</u> N
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<u>Michelle Gayle</u>	12-12-23	1545	<u>Joe X. Alvarez</u>	12-13-23	1300	T1 T2 T3
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	AVG Temp °C
						4

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

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

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

Envirotech Analytical Laboratory

Printed: 12/13/2023 4:08:21PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Tap Rock	Date Received:	12/13/23 13:00	Work Order ID:	E312081
Phone:	(575) 390-6397	Date Logged In:	12/12/23 13:54	Logged In By:	Jordan Montano
Email:	natalie@energystaffingllc.com	Due Date:	12/14/23 17:00 (1 day TAT)		

Chain of Custody (COC)

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

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

Carrier: Courier**Comments/Resolution**

Time sampled not provided on COC per client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Natalie Gladden



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Tap Rock

Project Name: Prometheus Pad D

Work Order: E312082

Job Number: 20046-0001

Received: 12/13/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/14/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 12/14/23

Natalie Gladden
7 W. Compress Road
Artesia, NM 88210



Project Name: Prometheus Pad D
Workorder: E312082
Date Received: 12/13/2023 1:00:00PM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/13/2023 1:00:00PM, under the Project Name: Prometheus Pad D.

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

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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Sample Summary

Tap Rock	Project Name:	Prometheus Pad D	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/14/23 15:48

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW Comp 1-2'	E312082-01A	Soil	12/11/23	12/13/23	Glass Jar, 2 oz.
SW Comp 2-2'	E312082-02A	Soil	12/11/23	12/13/23	Glass Jar, 2 oz.
SW Comp 3-2'	E312082-03A	Soil	12/11/23	12/13/23	Glass Jar, 2 oz.
SW Comp 4-2'	E312082-04A	Soil	12/11/23	12/13/23	Glass Jar, 2 oz.
SW Comp 5-2'	E312082-05A	Soil	12/11/23	12/13/23	Glass Jar, 2 oz.
SW Comp 6-2'	E312082-06A	Soil	12/11/23	12/13/23	Glass Jar, 2 oz.
SW Comp 7-2'	E312082-07A	Soil	12/11/23	12/13/23	Glass Jar, 2 oz.
SW Comp 8-2'	E312082-08A	Soil	12/11/23	12/13/23	Glass Jar, 2 oz.
SW Comp 9-2'	E312082-09A	Soil	12/11/23	12/13/23	Glass Jar, 2 oz.
SW Comp 10-2'	E312082-10A	Soil	12/11/23	12/13/23	Glass Jar, 2 oz.
SW Comp 11-2'	E312082-11A	Soil	12/11/23	12/13/23	Glass Jar, 2 oz.
SW Comp 12-2'	E312082-12A	Soil	12/11/23	12/13/23	Glass Jar, 2 oz.



Sample Data

Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Prometheus Pad D Project Number: 20046-0001 Project Manager: Natalie Gladden	Reported: 12/14/2023 3:48:45PM
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SW Comp 1-2'

E312082-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350062
Benzene	ND	0.0250	1	12/13/23	12/13/23	
Ethylbenzene	ND	0.0250	1	12/13/23	12/13/23	
Toluene	ND	0.0250	1	12/13/23	12/13/23	
o-Xylene	ND	0.0250	1	12/13/23	12/13/23	
p,m-Xylene	ND	0.0500	1	12/13/23	12/13/23	
Total Xylenes	ND	0.0250	1	12/13/23	12/13/23	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	12/13/23	12/13/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.2 %	70-130	12/13/23	12/13/23	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	12/13/23	12/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350062
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/23	12/13/23	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	12/13/23	12/13/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.2 %	70-130	12/13/23	12/13/23	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	12/13/23	12/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2350068
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/14/23	
<i>Surrogate: n-Nonane</i>		105 %	50-200	12/13/23	12/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2350055
Chloride	106	20.0	1	12/13/23	12/13/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Prometheus Pad D
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
12/14/2023 3:48:45PM

SW Comp 2-2'

E312082-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350062
Benzene	ND	0.0250	1	12/13/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/13/23	12/14/23	
Toluene	ND	0.0250	1	12/13/23	12/14/23	
o-Xylene	ND	0.0250	1	12/13/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/13/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene		104 %	70-130	12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130	12/13/23	12/14/23	
Surrogate: Toluene-d8		106 %	70-130	12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350062
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene		104 %	70-130	12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130	12/13/23	12/14/23	
Surrogate: Toluene-d8		106 %	70-130	12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2350068
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/14/23	
Surrogate: n-Nonane		107 %	50-200	12/13/23	12/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2350055
Chloride	109	20.0	1	12/13/23	12/13/23	



Sample Data

Tap Rock	Project Name:	Prometheus Pad D	Reported: 12/14/2023 3:48:45PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SW Comp 3-2'
E312082-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2350062	
Benzene	ND	0.0250	1	12/13/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/13/23	12/14/23	
Toluene	ND	0.0250	1	12/13/23	12/14/23	
o-Xylene	ND	0.0250	1	12/13/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/13/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene		107 %	70-130	12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130	12/13/23	12/14/23	
Surrogate: Toluene-d8		108 %	70-130	12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2350062	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene		107 %	70-130	12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130	12/13/23	12/14/23	
Surrogate: Toluene-d8		108 %	70-130	12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2350068	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/14/23	
Surrogate: n-Nonane		103 %	50-200	12/13/23	12/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2350055	
Chloride	ND	100	5	12/13/23	12/13/23	



Sample Data

Tap Rock	Project Name:	Prometheus Pad D	Reported: 12/14/2023 3:48:45PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SW Comp 4-2'

E312082-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350062
Benzene	ND	0.0250	1	12/13/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/13/23	12/14/23	
Toluene	ND	0.0250	1	12/13/23	12/14/23	
o-Xylene	ND	0.0250	1	12/13/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/13/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene		105 %	70-130	12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4		99.7 %	70-130	12/13/23	12/14/23	
Surrogate: Toluene-d8		108 %	70-130	12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350062
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene		105 %	70-130	12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4		99.7 %	70-130	12/13/23	12/14/23	
Surrogate: Toluene-d8		108 %	70-130	12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2350068
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/14/23	
Surrogate: n-Nonane		104 %	50-200	12/13/23	12/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2350055
Chloride	109	20.0	1	12/13/23	12/13/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Prometheus Pad D
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
12/14/2023 3:48:45PM

SW Comp 5-2'

E312082-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350062
Benzene	ND	0.0250	1	12/13/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/13/23	12/14/23	
Toluene	ND	0.0250	1	12/13/23	12/14/23	
o-Xylene	ND	0.0250	1	12/13/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/13/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene		103 %	70-130	12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130	12/13/23	12/14/23	
Surrogate: Toluene-d8		106 %	70-130	12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350062
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene		103 %	70-130	12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130	12/13/23	12/14/23	
Surrogate: Toluene-d8		106 %	70-130	12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2350068
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/14/23	
Surrogate: n-Nonane		103 %	50-200	12/13/23	12/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2350055
Chloride	ND	100	5	12/13/23	12/13/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Prometheus Pad D
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
12/14/2023 3:48:45PM

SW Comp 6-2'

E312082-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350062
Benzene	ND	0.0250	1	12/13/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/13/23	12/14/23	
Toluene	ND	0.0250	1	12/13/23	12/14/23	
o-Xylene	ND	0.0250	1	12/13/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/13/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene		106 %	70-130	12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130	12/13/23	12/14/23	
Surrogate: Toluene-d8		107 %	70-130	12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350062
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene		106 %	70-130	12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130	12/13/23	12/14/23	
Surrogate: Toluene-d8		107 %	70-130	12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2350068
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/14/23	
Surrogate: n-Nonane		105 %	50-200	12/13/23	12/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2350055
Chloride	106	20.0	1	12/13/23	12/13/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Prometheus Pad D
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
12/14/2023 3:48:45PM

SW Comp 7-2'

E312082-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350062
Benzene	ND	0.0250	1	12/13/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/13/23	12/14/23	
Toluene	ND	0.0250	1	12/13/23	12/14/23	
o-Xylene	ND	0.0250	1	12/13/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/13/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene		107 %	70-130	12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130	12/13/23	12/14/23	
Surrogate: Toluene-d8		107 %	70-130	12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350062
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene		107 %	70-130	12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130	12/13/23	12/14/23	
Surrogate: Toluene-d8		107 %	70-130	12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2350068
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/14/23	
Surrogate: n-Nonane		107 %	50-200	12/13/23	12/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2350055
Chloride	104	20.0	1	12/13/23	12/13/23	



Sample Data

Tap Rock	Project Name:	Prometheus Pad D	Reported: 12/14/2023 3:48:45PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SW Comp 8-2'

E312082-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350062
Benzene	ND	0.0250	1	12/13/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/13/23	12/14/23	
Toluene	ND	0.0250	1	12/13/23	12/14/23	
o-Xylene	ND	0.0250	1	12/13/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/13/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene		105 %	70-130	12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	12/13/23	12/14/23	
Surrogate: Toluene-d8		106 %	70-130	12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350062
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene		105 %	70-130	12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	12/13/23	12/14/23	
Surrogate: Toluene-d8		106 %	70-130	12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2350068
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/14/23	
Surrogate: n-Nonane		104 %	50-200	12/13/23	12/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2350055
Chloride	106	20.0	1	12/13/23	12/13/23	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Prometheus Pad D
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
12/14/2023 3:48:45PM

SW Comp 9-2'

E312082-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350062
Benzene	ND	0.0250	1	12/13/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/13/23	12/14/23	
Toluene	ND	0.0250	1	12/13/23	12/14/23	
o-Xylene	ND	0.0250	1	12/13/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/13/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene		105 %	70-130	12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	12/13/23	12/14/23	
Surrogate: Toluene-d8		107 %	70-130	12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350062
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene		105 %	70-130	12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	12/13/23	12/14/23	
Surrogate: Toluene-d8		107 %	70-130	12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2350068
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/14/23	
Surrogate: n-Nonane		99.5 %	50-200	12/13/23	12/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2350055
Chloride	ND	100	5	12/13/23	12/13/23	



Sample Data

Tap Rock	Project Name:	Prometheus Pad D	Reported: 12/14/2023 3:48:45PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SW Comp 10-2'
E312082-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2350062	
Benzene	ND	0.0250	1	12/13/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/13/23	12/14/23	
Toluene	ND	0.0250	1	12/13/23	12/14/23	
o-Xylene	ND	0.0250	1	12/13/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/13/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene	104 %	70-130		12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4	97.2 %	70-130		12/13/23	12/14/23	
Surrogate: Toluene-d8	110 %	70-130		12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2350062	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene	104 %	70-130		12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4	97.2 %	70-130		12/13/23	12/14/23	
Surrogate: Toluene-d8	110 %	70-130		12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2350068	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/14/23	
Surrogate: n-Nonane	102 %	50-200		12/13/23	12/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2350055	
Chloride	ND	100	5	12/13/23	12/13/23	



Sample Data

Tap Rock	Project Name:	Prometheus Pad D	Reported: 12/14/2023 3:48:45PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SW Comp 11-2'

E312082-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350062
Benzene	ND	0.0250	1	12/13/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/13/23	12/14/23	
Toluene	ND	0.0250	1	12/13/23	12/14/23	
o-Xylene	ND	0.0250	1	12/13/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/13/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene		105 %	70-130	12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	12/13/23	12/14/23	
Surrogate: Toluene-d8		106 %	70-130	12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350062
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene		105 %	70-130	12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	12/13/23	12/14/23	
Surrogate: Toluene-d8		106 %	70-130	12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2350068
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/14/23	
Surrogate: n-Nonane		103 %	50-200	12/13/23	12/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2350055
Chloride	108	20.0	1	12/13/23	12/13/23	



Sample Data

Tap Rock	Project Name:	Prometheus Pad D	Reported: 12/14/2023 3:48:45PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

SW Comp 12-2'
E312082-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2350062	
Benzene	ND	0.0250	1	12/13/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/13/23	12/14/23	
Toluene	ND	0.0250	1	12/13/23	12/14/23	
o-Xylene	ND	0.0250	1	12/13/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/13/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene		104 %	70-130	12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	12/13/23	12/14/23	
Surrogate: Toluene-d8		109 %	70-130	12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2350062	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/23	12/14/23	
Surrogate: Bromofluorobenzene		104 %	70-130	12/13/23	12/14/23	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	12/13/23	12/14/23	
Surrogate: Toluene-d8		109 %	70-130	12/13/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2350068	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/14/23	
Surrogate: n-Nonane		106 %	50-200	12/13/23	12/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2350055	
Chloride	103	20.0	1	12/13/23	12/13/23	



QC Summary Data

Tap Rock	Project Name:	Prometheus Pad D	Reported: 12/14/2023 3:48:45PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2350062-BLK1) Prepared: 12/13/23 Analyzed: 12/13/23

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	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130			
Surrogate: Toluene-d8	0.531		0.500		106	70-130			

LCS (2350062-BS1) Prepared: 12/13/23 Analyzed: 12/13/23

Benzene	2.76	0.0250	2.50		111	70-130			
Ethylbenzene	2.64	0.0250	2.50		105	70-130			
Toluene	2.61	0.0250	2.50		104	70-130			
o-Xylene	2.61	0.0250	2.50		104	70-130			
p,m-Xylene	5.19	0.0500	5.00		104	70-130			
Total Xylenes	7.80	0.0250	7.50		104	70-130			
Surrogate: Bromofluorobenzene	0.537		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500		100	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			

LCS Dup (2350062-BSD1) Prepared: 12/13/23 Analyzed: 12/13/23

Benzene	2.78	0.0250	2.50		111	70-130	0.721	23	
Ethylbenzene	2.63	0.0250	2.50		105	70-130	0.0949	27	
Toluene	2.65	0.0250	2.50		106	70-130	1.58	24	
o-Xylene	2.61	0.0250	2.50		104	70-130	0.0192	27	
p,m-Xylene	5.21	0.0500	5.00		104	70-130	0.423	27	
Total Xylenes	7.82	0.0250	7.50		104	70-130	0.275	27	
Surrogate: Bromofluorobenzene	0.525		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.508		0.500		102	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			



QC Summary Data

Tap Rock	Project Name:	Prometheus Pad D	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/14/2023 3:48:45PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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

Blank (2350062-BLK1) Prepared: 12/13/23 Analyzed: 12/13/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130			
Surrogate: Toluene-d8	0.531		0.500		106	70-130			

LCS (2350062-BS2) Prepared: 12/13/23 Analyzed: 12/13/23

Gasoline Range Organics (C6-C10)	51.7	20.0	50.0		103	70-130			
Surrogate: Bromofluorobenzene	0.532		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.3	70-130			
Surrogate: Toluene-d8	0.537		0.500		107	70-130			

LCS Dup (2350062-BSD2) Prepared: 12/13/23 Analyzed: 12/13/23

Gasoline Range Organics (C6-C10)	50.9	20.0	50.0		102	70-130	1.50	20	
Surrogate: Bromofluorobenzene	0.540		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			
Surrogate: Toluene-d8	0.537		0.500		107	70-130			



QC Summary Data

Tap Rock	Project Name:	Prometheus Pad D	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/14/2023 3:48:45PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2350068-BLK1)					Prepared: 12/13/23 Analyzed: 12/13/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.1		50.0		102	50-200			

LCS (2350068-BS1)					Prepared: 12/13/23 Analyzed: 12/13/23				
Diesel Range Organics (C10-C28)	243	25.0	250		97.2	38-132			
Surrogate: n-Nonane	52.3		50.0		105	50-200			

Matrix Spike (2350068-MS1)					Source: E312082-01		Prepared: 12/13/23 Analyzed: 12/13/23		
Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.8	38-132			
Surrogate: n-Nonane	53.5		50.0		107	50-200			

Matrix Spike Dup (2350068-MSD1)					Source: E312082-01		Prepared: 12/13/23 Analyzed: 12/13/23		
Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.4	38-132	2.43	20	
Surrogate: n-Nonane	53.0		50.0		106	50-200			



QC Summary Data

Tap Rock	Project Name:	Prometheus Pad D	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/14/2023 3:48:45PM

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2350055-BLK1)					Prepared: 12/13/23 Analyzed: 12/13/23				
Chloride	ND	20.0							
LCS (2350055-BS1)					Prepared: 12/13/23 Analyzed: 12/13/23				
Chloride	251	20.0	250		100	90-110			
LCS Dup (2350055-BSD1)					Prepared: 12/13/23 Analyzed: 12/13/23				
Chloride	251	20.0	250		100	90-110	0.000796	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:	Prometheus Pad D	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/14/23 15:48

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 1 of 2

Client: <u>TAP Rock.</u>	Bill To	Lab Use Only	TAT			EPA Program			
Project: <u>Promethium Pad D</u>	Attention: ENERGY STAFFING SERVICES	Lab WO# <u>E312082</u>	Job Number <u>200460001</u>	1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Natalie Gadden</u>	Address: 2724 NW COUNTY RD	Analysis and Method						RCRA	
Address:	City, State, Zip HOBBS, NM 88240								
City, State, Zip	Phone: 575-393-9048								
Phone:	Email: NATALIE@ENERGYSTAFFINGLLC.COM								
Email:	BRITTNEY@ENERGYSTAFFINGLLC.COM								
Report due by:									

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
	12/11/23	S	1	DW Comp 1-2'	1									
				DW Comp 2-2'	2									
				DW Comp 3-2'	3									
				DW Comp 4-2'	4									
				DW Comp 5-2'	5									
				DW Comp 6-2'	6									
				DW Comp 7-2'	7									
				DW Comp 8-2'	8									
				DW Comp 9-2'	9									
	12/11/23	S	1	DW Comp 10-2'	10									

Additional Instructions:

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

Sampled by: Jose R. Alvarez

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

Relinquished by: (Signature) <u>Jose R. Alvarez</u>	Date <u>12/11/23</u>	Time	Received by: (Signature) <u>Michelle Gough</u>	Date <u>12/12/23</u>	Time <u>1230</u>	Lab Use Only
Relinquished by: (Signature) <u>Michelle Gough</u>	Date <u>12-12-23</u>	Time <u>1545</u>	Received by: (Signature) <u>Alvin</u>	Date <u>12/13/23</u>	Time <u>1300</u>	Received on ice: <u>Y</u> N
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 _____ T2 _____ T3 _____
						AVG Temp °C <u>4</u>

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

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

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


enviro+tech

Chain of Custody



Envirotech Analytical Laboratory

Printed: 12/13/2023 4:16:30PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Tap Rock	Date Received:	12/13/23 13:00	Work Order ID:	E312082
Phone:	(575) 390-6397	Date Logged In:	12/12/23 13:54	Logged In By:	Jordan Montano
Email:	natalie@energystaffingllc.com	Due Date:	12/14/23 17:00 (1 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Time sampled not provided on COC per client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

JACKSON UNIT #918H EXCAVATION SITE PHOTOS

















JACKSON UNIT #918H

REMEDIATION SITE PHOTOS













JACKSON UNIT #918H

FINAL PHOTOS







32.19812238N 103.55657275W

Lea County

Taprock Jackson

unit #918 H

final picture



32.198258N 103.55675894W
Lea County
Taprock Jackson
unit #918 H
final picture

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

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

QUESTIONS

Action 361098

QUESTIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID:	372043
	Action Number:	361098
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2313240173
Incident Name	NAPP2313240173 JACKSON UNIT #918H @ 30-025-48773
Incident Type	Other
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-48773] JACKSON UNIT #918H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	JACKSON UNIT #918H
Date Release Discovered	05/11/2023
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Condensate Released: 27 BBL Recovered: 0 BBL Lost: 27 BBL.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS, Page 2

Action 361098

QUESTIONS (continued)

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID:	372043
	Action Number:	361098
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Natalie Gladden Title: Environmental Email: natalie@energystaffingllc.com Date: 07/03/2024
--	---

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Santa Fe, NM 87505

QUESTIONS, Page 3

Action 361098

QUESTIONS (continued)

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID:	372043
	Action Number:	361098
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	81400
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	85000
GRO+DRO	(EPA SW-846 Method 8015M)	85000
BTEX	(EPA SW-846 Method 8021B or 8260B)	4.1
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	10/01/2023
On what date will (or did) the final sampling or liner inspection occur	01/24/2024
On what date will (or was) the remediation complete(d)	02/07/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	3601
What is the estimated volume (in cubic yards) that will be remediated	446

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 361098

QUESTIONS (continued)

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID:	372043
	Action Number:	361098
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	OWL LANDFILL JAL [fJEG1635837366]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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.

I hereby agree and sign off to the above statement	Name: Natalie Gladden Title: Environmental Email: natalie@energystaffingllc.com Date: 07/03/2024
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 361098

QUESTIONS (continued)

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID:	372043
	Action Number:	361098
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 361098

QUESTIONS (continued)

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID:	372043
	Action Number:	361098
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	290976
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/06/2023
What was the (estimated) number of samples that were to be gathered	9
What was the sampling surface area in square feet	780

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	3601
What was the total volume (cubic yards) remediated	446
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	3601
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Spill was all on pad near wellhead.

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 (in .pdf format) 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.

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.

I hereby agree and sign off to the above statement	Name: Natalie Gladden Title: Environmental Email: natalie@energystaffingllc.com Date: 07/03/2024
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QUESTIONS, Page 7

Action 361098

QUESTIONS (continued)

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 361098
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 361098

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 361098
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	8/19/2024