Incident Number: nAPP2336273011

Release Assessment and Closure

Jackson Unit Flowline/Prometheus State Com #121H

Section 22, Township 24 South, Range 33 East

API: 30-025-48742

County: Lea

Vertex File Number: 23E-06064

Prepared for:
Tap Rock Resources

Prepared by:
Vertex Resource Services Inc.

Date:
March 2024

Release Assessment and Closure
Jackson Unit Flowline/Prometheus State Com#121H
Section 22, Township 24 South, Range 33 East
API: 30-025-48742
County: Lea

Prepared for:
Tap Rock Resources
523 Park Point Drive
Golden, Colorado 80401

New Mexico Oil Conservation Division – District 1 – Hobbs
1625 N. French Drive
Hobbs, New Mexico 88210

Prepared by:
Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad, New Mexico 88220

Wyatt Wadleigh
Wyatt Wadleigh, BSAG
ENVIRONMENTAL TECHNICIAN, REPORTING

3/22/2024
Date

Chance Dixon
Chance Dixon, B.Sc.
PROJECT MANAGER, REPORT REVIEW

3/22/2024
Date

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1.0 Introduction

Tap Rock Resources (Tap Rock) retained Vertex Resource Services Inc. (Vertex) to conduct a Release Assessment and Closure for a produced water release that occurred on December 27, 2023, at Jackson Unit Flowline/ Prometheus State Com #121H API 30-025-48742 (hereafter referred to as the "site"). Tap Rock submitted an initial C-141 Release Notification (Appendix A) to New Mexico Oil Conservation Division (NMOCD) District 1 on January 8, 2024. Incident ID number nAPP2336273011 was assigned to this incident.

This report provides a description of the release assessment and remediation activities associated with the site. The information presented demonstrates that closure criteria established in Table I of 19.15.29.12 of the *New Mexico Administrative Code* (NMAC; New Mexico Oil Conservation Division, 2018) related to NMOCD has been met and all applicable regulations are being followed. This document is intended to serve as a final report to obtain approval from NMOCD for this release, with the understanding that restoration of the release of this site will complete the following remediation actions and guidelines, as per NMAC 19.15.29.13.

2.0 Incident Description

The release occurred on December 27, 2023, due to flow line equipment failure, which led to the release of 82 barrels (bbl.) of produced water off pad. Approximately 30 bbl. of free fluid was removed during initial clean-up. The incident was reported on January 1, 2024. Additional details relevant to the release are presented in the C-141 Report.

3.0 Site Characteristics

The site is located approximately 23 miles northwest of Jal, New Mexico (Google Inc. 2024). The legal location for the site is Section 22, Township 24 South and Range 33 East in Lea County, New Mexico. The release area is located on state property. An aerial photograph and site schematic are presented on Figure 1.

The location is typical of oil and gas exploration transportation in the Permian Basin and is currently used for oil and gas production. The following sections specifically describe the release area on-site on or in proximity to the constructed pad and pipeline right-of-way (Figure 1).

The surrounding landscape is associated with Fan Piedmont, Alluvial Fan with elevations ranging between 3,000 and 4,400 feet. The climate is semiarid with average annual precipitation ranging between 10 and 16 inches. Using information from the United States Department of Agriculture, the dominant vegetation was determined to be black grama. Primarily, grasses dominate the historic plant community, but sub-shrubs, shrubs, and forbs populate the grassland (United States Department of Agriculture, Natural Resources Conservation Service, 2024). Limited to no vegetation is allowed to grow on the compacted production pad, right-of-way and access road.

The surface geology at the site primarily comprises Qep – Eolian and piedmont deposits from the Holocene to middle Pleistocene (New Mexico Bureau of Geology and Mineral Resources, 2024) and the soil at the site is characterized as Berino-Cacique association, hummocky (BH) and Tonuco loamy fine sand (TF) (United States Department of Agriculture, Natural Resources Conservation Service, 2024). Additional soil characteristics include a drainage class of Excessively

Drained with a runoff class of Very High. The karst geology potential for the site is Low (Geomatics) (United States Department of the Interior, Bureau of Land Management, 2018).

4.0 Closure Criteria Determination

The nearest active well to the site is a New Mexico Office of the State Engineer (NMOSE) monitoring well located approximately 0.65 miles west of the site (New Mexico Office of the State Engineer, 2024). Data from 2023 show the NMOSE borehole recorded a depth to groundwater of 100 feet below ground surface (bgs). Information pertaining to the depth to ground water determination is included in Appendix B.

There is no surface water present at the site. The nearest significant watercourse, as defined in Subsection P of 19.15.17.7 NMAC, is an intermittent stream (National Wetlands Inventory) located approximately 229 feet west of the release (United States Fish and Wildlife Service, 2024).

At the site, there are no continuously flowing watercourses or significant watercourses, lakebeds, sinkholes, playa lakes or other critical water or community features as outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC.

Table 1. Closure Criteria Worksheet DTGW <50 feet bgs			
Site Name: Prometheus State Com #121H			
Spill Coordinates:		**X: 32.19975**	**Y: -103.56482**
Site Specific Conditions		**Value**	**Unit**
1	Depth to Groundwater	<50	feet
2	Within 300 feet of any continuously flowing watercourse or any other significant watercourse	229	feet
3	Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark)	117,151	feet
4	Within 300 feet from an occupied residence, school, hospital, institution or church	31,805	feet
5	i) Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, **or**	9,120	feet
	ii) Within 1000 feet of any fresh water well or spring	9,120	feet
6	Within incorporated municipal boundaries or within a defined municipal fresh water field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended, unless the municipality specifically approves	No	(Y/N)
7	Within 300 feet of a wetland	3,274	feet
8	Within the area overlying a subsurface mine	No	(Y/N)
9	Within an unstable area (Karst Map)	Low	Critical High Medium Low
10	i) Within a 100-year Floodplain	Zone D	year
	ii) Distance from a 100-year Floodplain	64,861 feet	feet
11	Soil Type	BH and TF	
12	Ecological Classification	R070BD003NM — Loamy Sand	
13	Geology	Qep	
	NMAC 19.15.29.12 E (Table 1) Closure Criteria	<50'	<50' 51-100' >100'

The closure criteria determined for the site are associated with the following constituent concentration limits as presented in Table 2.

Table 2. Closure Criteria for Soils Impacted by a Release DTGW <50 feet bgs		
Minimum depth below any point within the horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	**Constituent**	**Limit**
< 50 feet	Chloride	600 mg/kg
	TPH (GRO+DRO+MRO)	100 mg/kg
	BTEX	50 mg/kg
	Benzene	10 mg/kg

TDS – total dissolved solids

TPH – total petroleum hydrocarbons, GRO – gas range organics, DRO – diesel range organics, MRO – motor oil range organics

BTEX – benzene, toluene, ethylbenzene and xylenes

5.0 Remedial Actions Taken

An initial site inspection of the release area was completed on December 28, 2023, which identified the area of the release specified in the initial C-141 Report. The impacted area was determined to be approximately 3,677 square feet. The daily field report (DFR) associated with the site inspection is included in Appendix C. Characterization field screening and laboratory results are summarized in Table 3.

Remediation efforts began on February 15, 2024, and were finalized on March 1, 2024. Vertex personnel supervised the excavation of impacted soils. Field screening was completed on a total of 32 points (Figure 2) and consisted of analysis using a Photo Ionization Detector (volatile hydrocarbons), Dexsil Petroflag using EPA SW-846 Method 9074 (extractable hydrocarbons) and titration (chlorides). Field screening results were used to identify areas requiring further remediation. Soils were removed to a depth of 0.5 to 4 feet bgs. Impacted soil was transported by a licensed waste hauler and disposed of at an approved waste management facility. Field screening results and DFRs documenting various phases of the remediation are presented in Appendix C.

Notifications that confirmatory samples were being collected were provided to NMOCD before each sampling day and are included in Appendix D. Confirmatory composite samples were collected from the base and walls of the excavation in 200 square foot increments. A total of 29 (confirmation) samples were collected for laboratory analysis following NMOCD soil sampling procedures. Samples were submitted to Envirotech under chain-of-custody protocols and analyzed for BTEX (EPA Method 8021B), total petroleum hydrocarbons (GRO, DRO, MRO – EPA Method 8015D) and total chlorides (EPA Method 300.0). Exceedances to the selected closure criteria with lab analysis were excavated accordingly. Confirmatory laboratory results are presented in Table 4, and the laboratory data reports are included in Appendix E. All confirmatory samples collected and analyzed were below closure criteria for the site.

6.0 Closure Request

The release area was fully delineated, remediated, backfilled, and contoured with the landscape with local soils by March 12, 2024. Confirmatory samples were analyzed by the laboratory and found to be below allowable concentrations as per the NMAC Closure Criteria for Soils Impacted by a Release locations "under 50 feet to groundwater". Based on these findings, there are no anticipated risks to human, ecological or hydrological receptors associated with the release site. Vertex requests that this remediation be approved.

The site will be seeded when conditions are favorable with the New Mexico State Land Office loamy sites seed mixture. Seeds will include black and blue gramas, sideoats grama, sand dropseed, alkali sacaton, little bluestem, firewheel, fourwing saltbush, and common winterfat. The site will be monitored for success in the months following seeding. A full reclamation plan for the site will be submitted accompanying this closure report.

Vertex requests that the incident (naPP2336273011) be closed as all closure requirements set forth in Subsection E of 19.25.12 NMAC have been met. Tap Rock certifies that all information in this report and the attachment is correct, and that they complied with all applicable closure requirements and conditions specified in Division rules and directives to meet NMOCD requirements to obtain approval on the release at the site.

Should you have any questions or concerns, please do not hesitate to contact Chance Dixon at 575.988.1472 or cdixon@vertex.ca.

7.0 References

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United States Geological Survey. (2024). *National Water Information System: Web Interface*. Retrieved from https://waterdata.usgs.gov/nwis

8.0 Limitations

This report has been prepared for the sole benefit of Tap Rock Resources. This document may not be used by any other person or entity, except for the New Mexico Oil Conservation Division and the New Mexico State Land Office, without the express written consent of Vertex Resource Services Inc. (Vertex) and Tap Rock Resources. Any use of this report by a third party, or any reliance on decisions made based on it, or damages suffered as a result of the use of this report are the sole responsibility of the user.

The information and conclusions contained in this report are based upon work undertaken by trained professional and technical staff in accordance with generally accepted scientific practices current at the time the work was performed while also following the guidelines of 19.15.29 NMAC. The conclusions and recommendations presented represent the best judgement of Vertex based on the data collected during the assessment. Due to the nature of the assessment and the data available, Vertex cannot warrant against undiscovered environmental liabilities. Conclusions and recommendations presented in this report should not be considered legal advice.

FIGURES

VERTEX

0 15 30 60 ft

Map Center:
Lat/Long: 32.199788, -103.565071

NAD 1983 UTM Zone 13N
Date: Feb 21/24

N

Characterization Schematic
Prometheus State Com #121H

FIGURE:
1

TAP ROCK RESOURCES

Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Georeferenced image from Esri, 2023. Boreholes and approximate release area from GPS by Vertex Professional Services Ltd., 2024.

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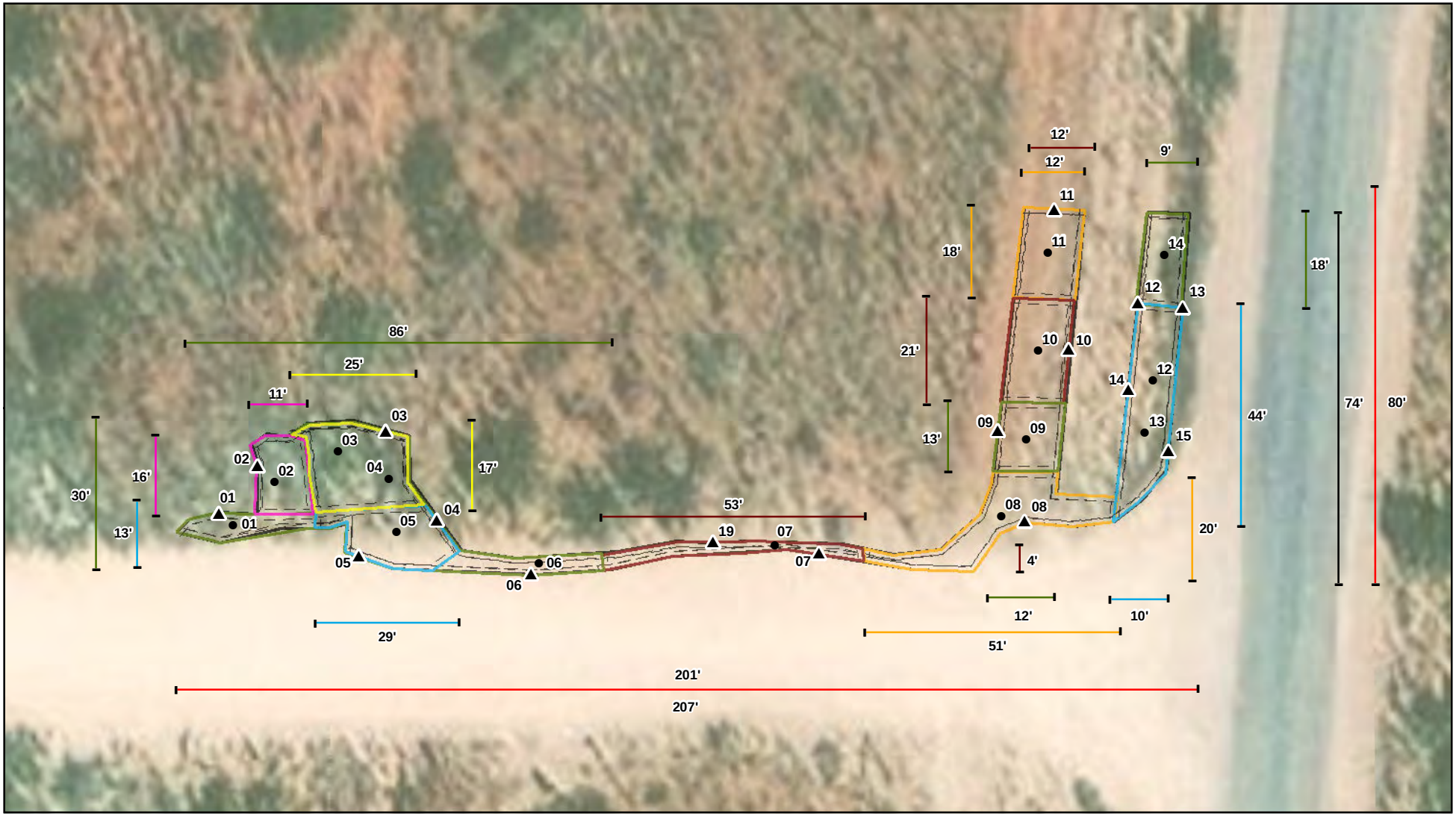
Document Path: D:\Vertex\GeoRequests\23E-06064 - Tap Rock\Figure 1 Characterization Schematic (23E-06064)ID17892.mxd



- Base Sample (Excavated) (Prefixed by "BS24-")
- Wall Sample (Excavated) (Prefixed by "WS24-")
- Excavation to 1.5' bgs (~ 395 sq. ft.)
- Excavation to 2' bgs (~ 587 sq. ft.)
- Excavation to 2.5' bgs (~ 1,197 sq. ft.)
- Excavation to 3' bgs (~ 341 sq. ft.)
- Excavation to 3.5' bgs (~ 623 sq. ft.)
- Excavation to 4' bgs (~ 172 sq. ft.)

VERTEX

0 10 20 40 ft

Map Center:
Lat/Long: 32.199686, -103.565104

NAD 1983 UTM Zone 13N
Date: Mar 20/24

N

Confirmation Schematic
Prometheus State Com #121H

FIGURE:
2

TAP ROCK RESOURCES

Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Georeferenced image from Esri, 2023. Sample holes and excavations from GPS by Vertex Professional Services Ltd., 2024.

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Document Path: S:\04 - Geomatics\1-Projects_US PROJECTS\Tap Rock\23E-06064 - TAP Rock Resources\Figure 2 Confirmation Schematic (23E-06064)ID18064.mxd

TABLES

Client Name: Tap Rock Resources
Site Name: Prometheus State Com #121H
NMOCD Tracking #: naPP2336273011
Project #: 23E-06064
Lab Reports: E401046, E401047, E401064, E401071

Table 3. Initial Characterization Sample Field Screen and Laboratory Results - Depth to Groundwater <50 feet bgs

Sample Description			Field Screening			Petroleum Hydrocarbons							Inorganic
						Volatile		Extractable					
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
BH24-01	0	1/5/2024	-	7	64	ND	ND	ND	ND	ND	ND	ND	ND
	2	1/5/2024	-	0	38	ND	ND	ND	ND	ND	ND	ND	ND
BH24-02	0	1/5/2024	-	9	15	ND	ND	ND	ND	ND	ND	ND	ND
	2	1/5/2024	-	0	0	ND	ND	ND	ND	ND	ND	ND	ND
BH24-03	0	1/5/2024	-	13	411	ND	ND	ND	ND	ND	ND	ND	161
BH24-04	0	1/5/2024	-	10	72	ND	ND	ND	ND	ND	ND	ND	ND
	2	1/5/2024	-	0	31	ND	ND	ND	ND	ND	ND	ND	ND
BH24-05	0	1/5/2024	-	68	352	ND	ND	ND	ND	ND	ND	ND	189
	1	1/11/2024	-	64	227	-	-	-	-	-	-	-	-
	2	1/11/2024	-	32	70	ND	ND	ND	ND	ND	ND	ND	ND
BH24-06	0	1/5/2024	-	0	36	ND	ND	ND	ND	ND	ND	ND	ND
	1	1/5/2024	-	13	70	ND	ND	ND	ND	ND	ND	ND	ND
BH24-07	0	1/5/2024	-	1	272	ND	ND	ND	ND	ND	ND	ND	83.2
	1	1/11/2024	-	62	188	-	-	-	-	-	-	-	-
	1.5	1/11/2024	-	35	210	ND	ND	ND	ND	ND	ND	ND	49.1
BH24-08	0	1/5/2024	-	12	76	ND	ND	ND	ND	ND	ND	ND	ND
	2	1/5/2024	-	0	76	ND	ND	ND	ND	ND	ND	ND	ND
BH24-09	0	1/5/2024	-	0	36	ND	ND	ND	ND	ND	ND	ND	ND
	2	1/5/2024	-	0	80	ND	ND	ND	ND	ND	ND	ND	ND
BH24-10	0	1/5/2024	-	0	40	ND	ND	ND	ND	ND	ND	ND	ND
	1	1/5/2024	-	0	66	ND	ND	ND	ND	ND	ND	ND	ND
BH24-11	0	1/5/2024	-	0	101	ND	ND	ND	ND	ND	ND	ND	26.4
	2	1/5/2024	-	0	132	ND	ND	ND	ND	ND	ND	ND	ND
BH24-12	0.5	1/8/2024	-	-	**3,277**	1.76	82.63	**1090**	**7410**	**2090**	**8500**	**10590**	**3360**
	2	1/8/2024	-	-	**847**	ND	ND	ND	55.7	ND	55.7	55.7	**970**
	4	1/8/2024	-	36	154	ND	ND	ND	ND	ND	ND	ND	139
BH24-13	0	1/8/2024	-	-	**2,840**	ND	ND	ND	ND	ND	ND	ND	**2830**
BH24-14	0	1/8/2024	-	-	**5,790**	ND	0.0355	ND	ND	ND	ND	ND	**2940**
	2	1/11/2024	-	78	308	ND	ND	ND	ND	ND	ND	ND	183
BH24-15	0	1/8/2024	-	-	**7,027**	16.8	226.6	**1950**	**10600**	**3050**	**12550**	**15600**	**5160**
	1	1/11/2024	-	**227**	**5,700**	-	-	-	-	-	-	-	-
	2	1/11/2024	-	-	**5,485**	ND	ND	ND	66.3	ND	66.3	66.3	**7310**
	2.5	1/11/2024	-	**129**	**6,605**	-	-	-	-	-	-	-	-
	3	1/11/2024	-	**168**	498	ND	ND	ND	64.7	ND	64.7	64.7	**768**
BH24-16	0	1/8/2024	-	-	**1,653**	0.025	2.181	37	**1310**	**488**	**1347**	**1835**	**999**
	1	1/11/2024	-	**109**	**143**	ND	ND	ND	25.4	ND	25.4	25.4	64
	2	1/11/2024	-	91	**195**	ND	ND	ND	33.7	ND	33.7	33.7	75
BH24-17	0	1/10/2024	9	**459**	**4,897**	ND	ND	ND	**717**	**286**	**717**	**1003**	**2840**
	2	1/10/2024	0	63	598	ND	ND	ND	ND	ND	ND	ND	516
BH24-18	0	1/10/2024	3	**989**	**4,663**	ND	0.092	ND	**1090**	**441**	**1090**	**1531**	**2410**
	2	1/10/2024	1	**989**	349	ND	ND	ND	ND	ND	ND	ND	46
BH24-19	0	1/10/2024	0	-	430	-	-	-	-	-	-	-	-
	1.5	1/10/2024	0	-	**2,019**	-	-	-	-	-	-	-	-
BH24-20	0	1/10/2024	0	19	355	ND	ND	ND	ND	ND	ND	ND	180
	2	1/10/2024	0	13	64	ND	ND	ND	ND	ND	ND	ND	36

"ND" Not Detected at the Reporting Limit
"-" indicates not analyzed/assessed
Bold and green shaded indicates exceedance outside of NMOCD Reclamation Criteria (off-pad)

VERTEX

Client Name: Tap Rock Resources
Site Name: Promethues 121H
NMOCD Tracking #: nAPP2336273011
Project #: 23E-06064
Lab Reports: E402160, E402171, E402184, E403003, E403043

Table 4. Confirmatory Sample Field Screen and Laboratory Results - Depth to Groundwater <50 feet bgs

Sample Description			Field Screening			Petroleum Hydrocarbons							Inorganic
						Volatile		Extractable					
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
BES24-01	2.5	02.15.24	-	72	165	ND	ND	ND	32.1	ND	32.1	32.1	21.9
BES24-02	4	02.16.24	-	67	200	ND	ND	ND	ND	ND	ND	ND	30.1
BES24-03	3	02.29.24	-	3	126	ND	ND	ND	ND	ND	ND	ND	ND
BES24-04	3	02.29.24	-	4	125	ND	ND	ND	ND	ND	ND	ND	ND
BES24-05	3.5	03.01.24	-	19	595	ND	ND	ND	ND	ND	ND	ND	562
BES24-06	2.5	02.29.24	-	38	228	ND	ND	ND	ND	ND	ND	ND	57
BES24-07	1.5	02.19.24	-	42	250	ND	ND	ND	ND	ND	ND	ND	178
BES24-08	2	03.01.24	-	34	425	ND	ND	ND	ND	ND	ND	ND	488
BES24-09	2.8	02.19.24	-	30	298	ND	ND	ND	ND	ND	ND	ND	252
BES24-10	0.5	02.16.24	-	60	300	ND	ND	ND	29.8	ND	29.8	29.8	287
BES24-11	2	02.19.24	-	92	445	ND	ND	ND	58.8	ND	58.8	58.8	379
BES24-12	3.5	02.16.24	-	84	435	ND	ND	ND	45.9	ND	45.9	45.9	535
BES24-13	3.5	02.16.24	-	83	360	ND	ND	ND	ND	ND	ND	ND	459
BES24-14	2.5	03.01.24	-	38	323	ND	ND	ND	ND	ND	ND	ND	145
WES24-01	0-2.5	02.15.24	-	34	198	ND	ND	ND	ND	ND	ND	ND	ND
WES24-02	0-2.5	02.15.24	-	16	110	ND	ND	ND	ND	ND	ND	ND	ND
WES24-03	0-3	02.29.24	-	0	175	ND	ND	ND	ND	ND	ND	ND	ND
WES24-04	0-3.5	02.15.24	-	17	143	ND	ND	ND	ND	ND	ND	ND	ND
WES24-05	0-2.5	02.15.24	-	59	200	ND	ND	ND	62.3	ND	62.3	62.3	126
WES24-06	0-0.5	02.15.24	-	44	345	ND	ND	ND	ND	ND	ND	ND	492
WES24-07	0-0.5	02.16.24	-	49	102	ND	ND	ND	33.2	ND	33.2	33.2	87.8
WES24-08	0-1.5	02.16.24	-	40	240	ND	ND	ND	ND	ND	ND	ND	80
WES24-09	0-3	02.16.24	-	25	240	ND	ND	ND	ND	ND	ND	ND	ND
WES24-10	0-0.5	02.16.24	-	26	233	ND	ND	ND	29.8	ND	29.8	29.8	287
WES24-11	0-2	02.19.24	-	28	193	ND	ND	ND	ND	ND	ND	ND	77
WES24-12	0-3.5	02.16.24	-	**215**	**1120**	ND	ND	ND	45.9	ND	45.9	45.9	535
WES24-13	0-3.5	02.16.24	-	92	**960**	0	ND	ND	ND	ND	ND	ND	459
WES24-14	0-3.5	02.16.24	-	12	84	ND	ND	ND	ND	ND	ND	ND	117
WES24-15	0-3.5	02.16.24	-	11	190	ND	ND	ND	ND	ND	ND	ND	335
WES24-16	0-1.5	02.19.24	-	13	200	ND	ND	ND	34.8	ND	34.8	34.8	139
WES24-19	0-2.5	03.01.24	-	**140**	230	ND	ND	ND	ND	ND	ND	ND	ND

"ND" Not Detected at the Reporting Limit
"-" indicates not analyzed/assessed
Bold and green shaded indicates exceedance outside of NMOCD Reclamation Criteria (off-pad)

APPENDIX A - NMOCD C-141 Reports

Liquid Volume Release Report

Liquid Release Volume Calculator							
Date:	12.28.2023						
Site or Line Name:	Prometheus State #121H						
Soil Type	Porosity	Length	Width	Depth (.083 per inch)	Cubic Feet	Estimated Barrels	Soil Type
Clay	0.15				0	0.00	Clay
Sandy Clay	0.12				0	0.00	Sandy Clay
Silt	0.16				0	0.00	Silt
Fine Sand	0.16				0	0.00	Fine Sand
Medium Sand	0.25	37	100	0.5	1850	82.44	Medium Sand
Coarse Sand	0.26				0	0.00	Coarse Sand
Gravely Sand	0.26				0	0.00	Gravely Sand
Fine Gravel	0.26				0	0.00	Fine Gravel
Medium Gravel	0.20				0	0.00	Medium Gravel
Coarse Gravel	0.18				0	0.00	Coarse Gravel
Sandstone	0.25				0	0.00	Sandstone
Siltstone	0.18				0	0.00	Siltstone
Limestone	0.13				0	0.00	Limestone
Basalt	0.19				0	0.00	Basalt
Standing Liquids	X				0	0.00	Standing Liquids

Choose the one prevailing ground type for estimating spill volumes at a single location. Standing liquids are figured separately using the green cell.

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)

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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 300938

QUESTIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 300938
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2336273011**
Incident Name	**NAPP2336273011 JACKSON UNIT FLOWLINE @ 30-025-48742**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Received**
Incident Well	**[30-025-48742] JACKSON UNIT #821H**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Jackson Unit Flowline
Date Release Discovered	12/27/2023
Surface Owner	State

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
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	Cause: Equipment Failure | Flow Line - Production | Produced Water | Released: 82 BBL | Recovered: 30 BBL | Lost: 52 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	*Not answered.*
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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QUESTIONS (continued)

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 300938
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

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: Bill Ramsey Title: Regulatory Analyst Email: bramsey@taprk.com Date: 01/08/2024

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QUESTIONS (continued)

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 300938
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

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)	*Not answered.*
What method was used to determine the depth to ground water	*Not answered.*
Did this release impact groundwater or surface water	*Not answered.*
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	*Not answered.*
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	*Not answered.*
An occupied permanent residence, school, hospital, institution, or church	*Not answered.*
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	*Not answered.*
Any other fresh water well or spring	*Not answered.*
Incorporated municipal boundaries or a defined municipal fresh water well field	*Not answered.*
A wetland	*Not answered.*
A subsurface mine	*Not answered.*
An (non-karst) unstable area	*Not answered.*
Categorize the risk of this well / site being in a karst geology	*Not answered.*
A 100-year floodplain	*Not answered.*
Did the release impact areas not on an exploration, development, production, or storage site	*Not answered.*

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	No
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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CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 300938
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	1/9/2024

APPENDIX B – Closure Criteria Research Documentation

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

RECEIVED
2023 JUN -8 AM 9:17
STATE ENGINEER OFFICE
LAS CRUCES, NEW MEXICO

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.): POD 1	WELL TAG ID NO.	OSE FILE NO(S).: C-04708
WELL OWNER NAME(S): TAP ROCK OPERATING		PHONE (OPTIONAL)
WELL OWNER MAILING ADDRESS		CITY / STATE / ZIP

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32.	11	52.6	N
	LONGITUDE	103	34	36.3	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE
SE 1/4 OF S21 R33E NMPM

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD1453	JOE SKAGGS	HYDROTECH DRILLING

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
03/23/2023	03/27/2023	100	100	DRY HOLE

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)
STATIC WATER LEVEL IN COMPLETED WELL (FT): 0
DATE STATIC MEASURED: 04/03/2023

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:
CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
-2	80	8.75	Steel Blank	3.5 threaded collar	3	.250	
80	100	8.75	Steel	3.5 threaded collar	3	.250	.188

OSE DIT JUN 23 2023 PM 1:22

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT

FOR OSE INTERNAL USE
WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. C-4708-POD 1	POD NO. 1	TRN NO. 7427706	
LOCATION Mon 24.33.21.134		WELL TAG ID NO. —	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	2	2	top soil	Y ✓ N	0.00
2	16	14	white Caliche	Y ✓ N	0.00
16	52	36	brown sand	Y ✓ N	0.00
52	55	3	yellow clay	Y ✓ N	0.00
55	100	45	brown sandstone	Y ✓ N	0.00
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

RECEIVED
2023 JUN -8 AM 9:17
STATE ENGINEER OFFICE
LAS CRUCES, NEW MEXICO

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:
☐ PUMP ☐ AIR LIFT ☑ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: DRY HOLE

OSE DIT JUN 23 2023 PM 1:04

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:
ARREN WEEHUNT

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

Joe Skaggs — JOE SKAGGS — 5/24/2023

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. C-4708-POD 1	POD NO. 1	TRN NO. 742706	
LOCATION Mon 24.33.21.134		WELL TAG ID NO.	PAGE 2 OF 2

Mike A. Hamman, P.E.
State Engineer

Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

Trn Nbr: 742706
File Nbr: C 04708
Well File Nbr: C 04708 POD1

Jun. 23, 2023

HEATHER WOODS
SOUDER MILLER & ASSOCIATES
401 W BROADWAY
FARMINGTON, NM 87401

Greetings:

The above numbered permit was issued in your name on 02/16/2023.

The Well Record was received in this office on 06/23/2023, stating that it had been completed on 03/27/2023, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 02/16/2024.

If you have any questions, please feel free to contact us.

Sincerely,

Maret Thompson
(575)622-6521

drywell

Distance from Pod to release area .65 miles

2/20/2024, 11:35:31 AM

GIS WATERS PODs
- Active
- Pending
- Inactive
- Plugged

OSE District Boundary

Water Right Regulations
- Closure Area
- Artesian Planning Area

New Mexico State Trust Lands
- Both Estates

NHD Flowlines
- Stream River

1:18,056

0 0.17 0.35 0.7 mi

0 0.28 0.55 1.1 km

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

Online web user

This is an unofficial map from the OSE's online application.

U.S. Fish and Wildlife Service
National Wetlands Inventory

Prometheus State Com #121H Lake 229 ft

January 4, 2024

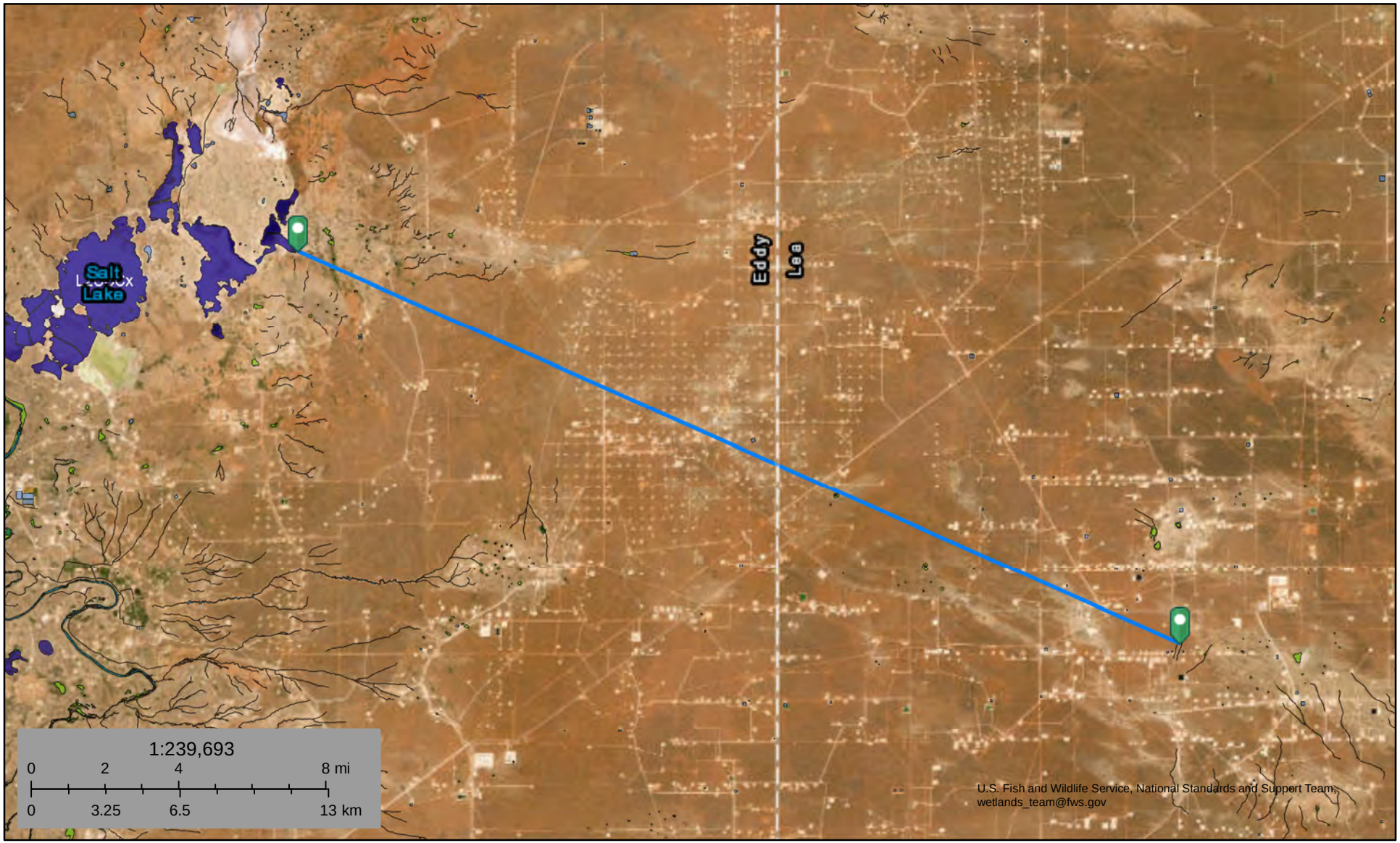
Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

U.S. Fish and Wildlife Service
National Wetlands Inventory

Prometheus #121H Lake 117,151 ft



January 4, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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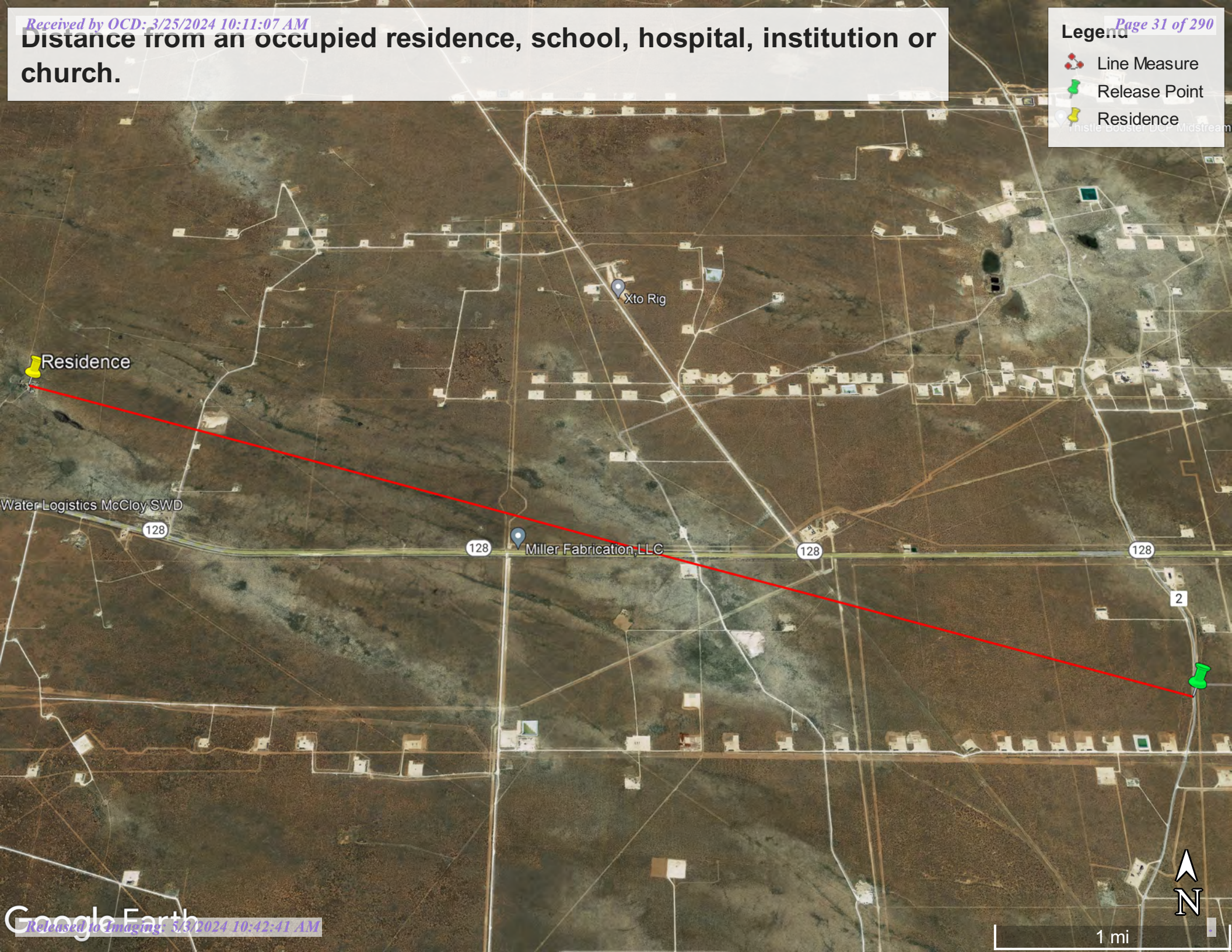
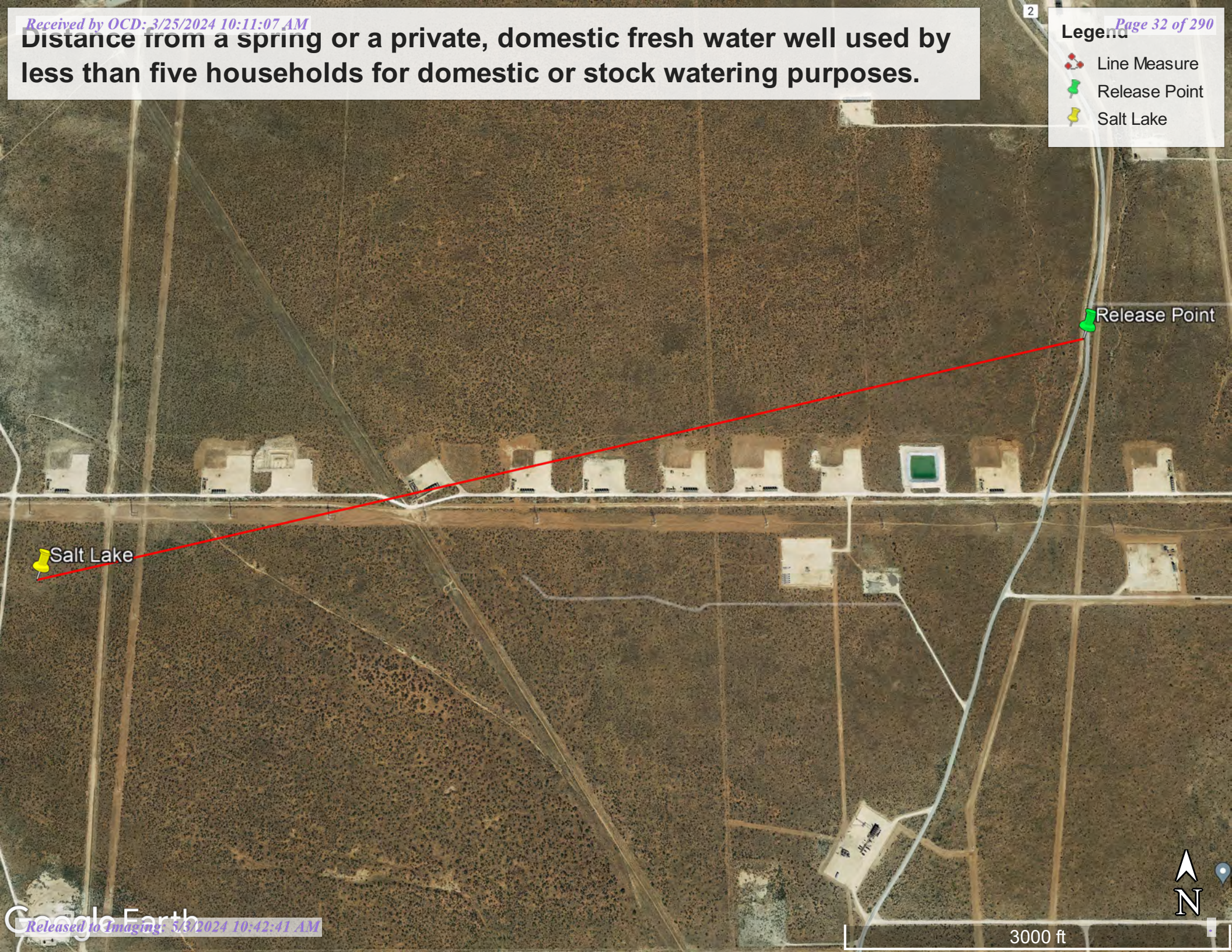
National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

Distance from an occupied residence, school, hospital, institution or church.



Distance from a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes.



U.S. Fish and Wildlife Service
National Wetlands Inventory

Distance from wetland to release 3274

February 20, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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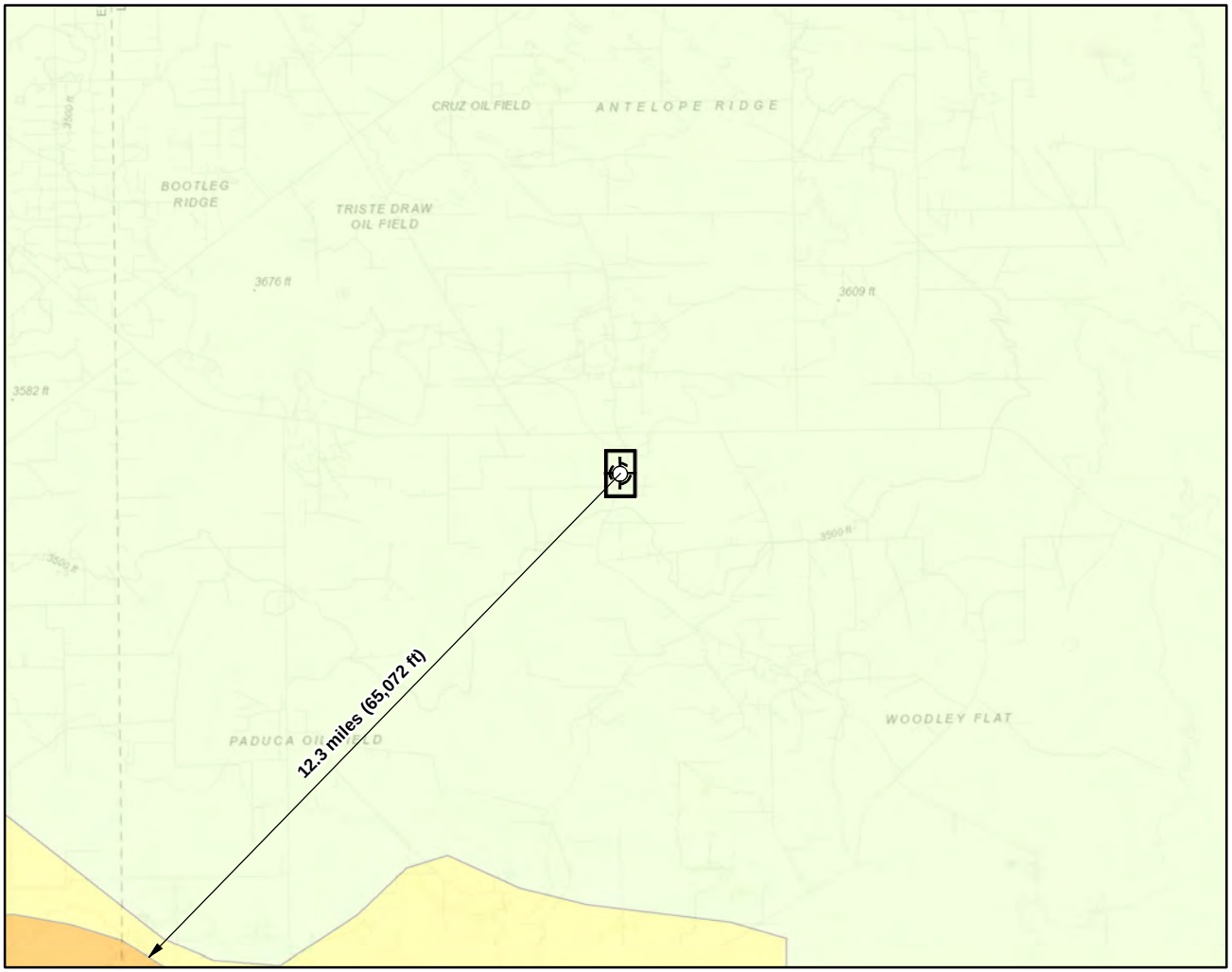


Karst Potential

- Critical
- High
- Medium
- Low

Site Location

Site Buffer (1,000 ft.)

Overview Map

0 0.5 1 2 3 mi

Detail Map

0 150 300 600 ft

VERTEX

Map Center:
Lat/Long: 32.196174, -103.567491

NAD 1983 UTM Zone 13N
Date: Feb 21/24

N

Karst Potential Map
Prometheus State Com #121H

FIGURE:
X

TAP ROCK RESOURCES

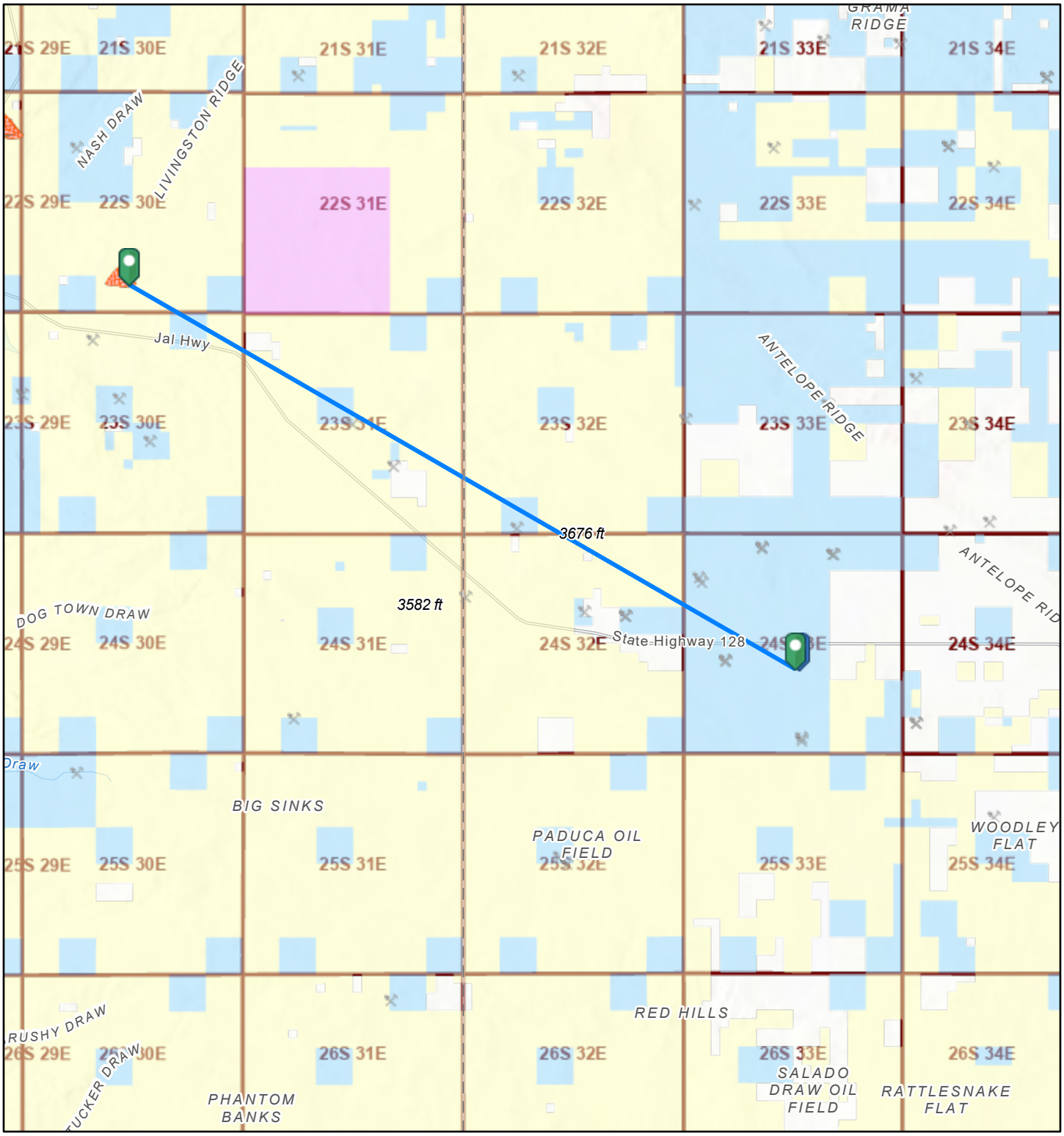
Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Inset Map, Esri 20XX; Overview Map: Esri World Topographic. Karst potential data sourced from Roswell Field Office, Bureau of Land Management, 2020 or United States Department of the Interior, Bureau of Land Management. (2018). Karst Potential.

VERSATILITY. EXPERTISE.

Document Path: D:\Vertex\GeoRequests\23E-06064 - Tap Rock\Figure X Karst Potential (23E-06064)D17892.mxd

Distance from mine to release area 21 miles



2/20/2024, 1:36:10 PM

1:288,895

0 2 4 8 mi

0 3.25 6.5 13 km

Registered Mines

- Aggregate, Stone etc.
- Aggregate, Stone etc.
- Aggregate, Stone etc.
- Potash
- Salt

Land Ownership

- BLM
- DOE
- P
- S
- PLSS Townships

Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, USFWS, U.S. BLM, Esri, NASA, NGA, USGS, BLM

EMNRD MMD GIS Coordinator

New Mexico Energy, Minerals and Natural Resources Department (http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=1b5e577974664d689b47790897ca2795)

National Flood Hazard Layer FIRMette

FEMA

103°34'15"W 32°12'13"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

103°33'38"W 32°11'43"N

Basemap Imagery Source: USGS National Map 2023

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
- 17.5 Water Surface Elevation
- 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

N

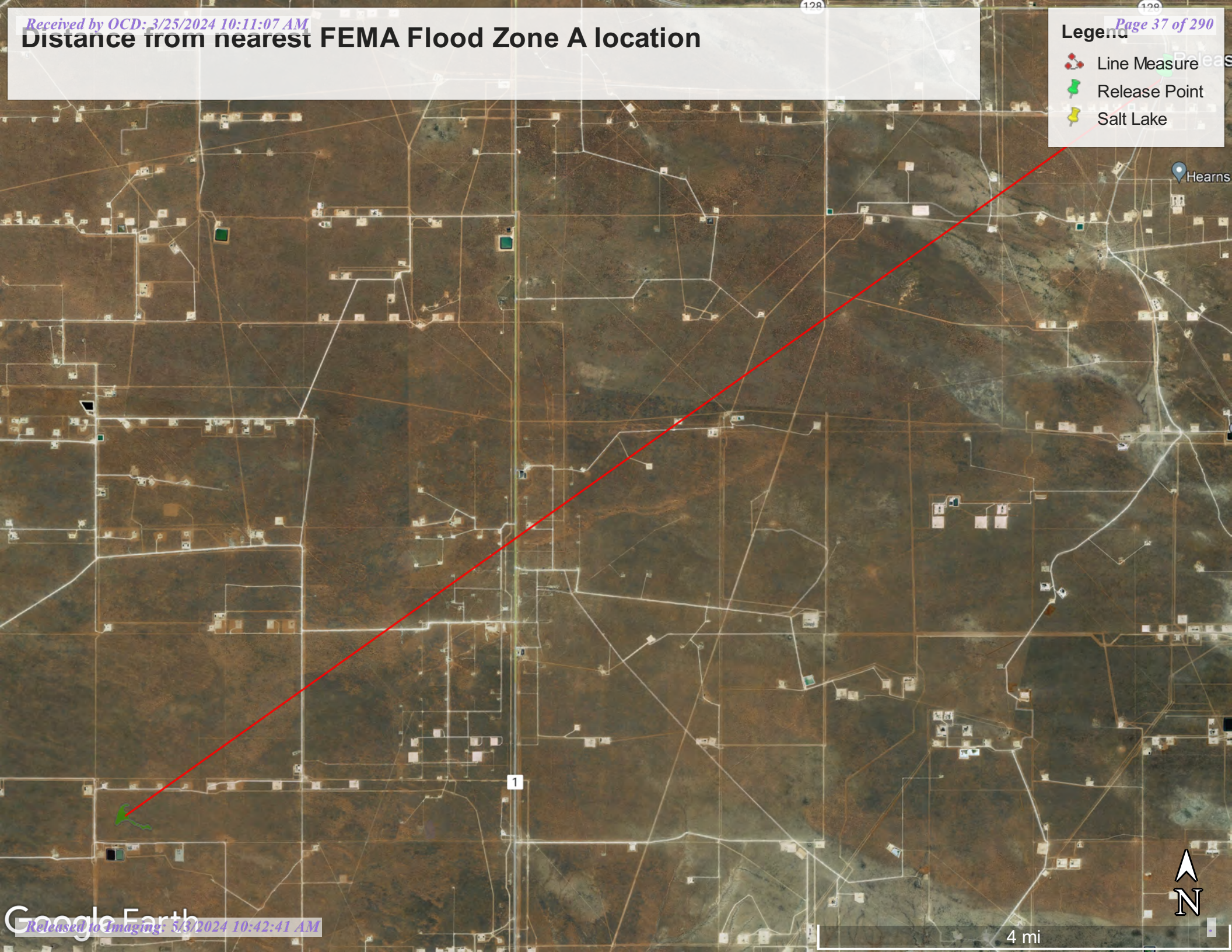
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/20/2024 at 3:40 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.

Distance from nearest FEMA Flood Zone A location



United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Lea County, New Mexico

January 4, 2024

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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Contents

How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map

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
BH	Berino-Cacique association, hummocky	29.8	55.4%
TF	Tonuco loamy fine sand, 0 to 3 percent slopes	23.9	44.6%
Totals for Area of Interest		**53.7**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however,

onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Lea County, New Mexico

BH—Berino-Cacique association, hummocky

Map Unit Setting

National map unit symbol: dmpg
Elevation: 3,000 to 4,400 feet
Mean annual precipitation: 10 to 13 inches
Mean annual air temperature: 60 to 62 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 50 percent
Cacique and similar soils: 40 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Berino

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock over calcareous sandy alluvium derived from sedimentary rock

Typical profile

A - 0 to 10 inches: fine sand
Btk - 10 to 60 inches: sandy clay loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Moderate (about 8.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7c
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Description of Cacique

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 7 inches: fine sand
Bt - 7 to 28 inches: sandy clay loam
Bkm - 28 to 38 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 20 to 40 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 3.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7c
Hydrologic Soil Group: C
Ecological site: R070BD004NM - Sandy
Hydric soil rating: No

Minor Components

Kermit

Percent of map unit: 4 percent
Ecological site: R070BD005NM - Deep Sand
Hydric soil rating: No

Maljamar

Percent of map unit: 3 percent
Ecological site: R077CY028TX - Limy Upland 16-21" PZ
Hydric soil rating: No

Palomas

Percent of map unit: 2 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Dune land

Percent of map unit: 1 percent
Hydric soil rating: No

TF—Tonuco loamy fine sand, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 2tw3c
Elevation: 3,280 to 4,460 feet
Mean annual precipitation: 10 to 16 inches
Mean annual air temperature: 59 to 64 degrees F
Frost-free period: 180 to 220 days
Farmland classification: Not prime farmland

Map Unit Composition

Tonuco and similar soils: 70 percent
Minor components: 30 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Tonuco

Setting

Landform: Ridges, plains
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits

Typical profile

A - 0 to 12 inches: loamy fine sand
Bw - 12 to 17 inches: loamy sand
Bkkm - 17 to 39 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 12 to 20 inches to petrocalcic
Drainage class: Excessively drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 2 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: D
Ecological site: R077DY048TX - Shallow 12-17" PZ
Hydric soil rating: No

Minor Components

Simona

Percent of map unit: 15 percent
Landform: Ridges, plains
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Ecological site: R070BD002NM - Shallow Sandy
Hydric soil rating: No

Berino

Percent of map unit: 10 percent
Landform: Ridges, plains
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Cacique

Percent of map unit: 5 percent
Landform: Ridges, plains
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Ecological site: R070BD004NM - Sandy
Hydric soil rating: No

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USDA Natural Resources Conservation Service

Ecological site R070BD003NM
Loamy Sand

Accessed: 01/04/2024

General information

Provisional. A provisional ecological site description has undergone quality control and quality assurance review. It contains a working state and transition model and enough information to identify the ecological site.

Figure 1. Mapped extent

Areas shown in blue indicate the maximum mapped extent of this ecological site. Other ecological sites likely occur within the highlighted areas. It is also possible for this ecological site to occur outside of highlighted areas if detailed soil survey has not been completed or recently updated.

Associated sites

R070BD004NM	**Sandy** Sandy
R070BD005NM	**Deep Sand** Deep Sand

Table 1. Dominant plant species

Tree	Not specified
Shrub	Not specified
Herbaceous	Not specified

Physiographic features

This site is on uplands, plains, dunes, fan piedmonts and in inter dunal areas. The parent material consists of mixed alluvium and or eolian sands derived from sedimentary rock. Slope range on this site range from 0 to 9 percent with the average of 5 percent.

Low stabilized dunes may occur occasionally on this site. Elevations range from 2,800 to 5,000 feet.

Table 2. Representative physiographic features

Landforms	(1) Fan piedmont (2) Alluvial fan (3) Dune
Elevation	2,800–5,000 ft
Slope	0–9%
Aspect	Aspect is not a significant factor

Climatic features

The average annual precipitation ranges from 8 to 13 inches. Variations of 5 inches, more or less, are common. Over 80 percent of the precipitation falls from April through October. Most of the summer precipitation comes in the form of high intensity-short duration thunderstorms.
Temperatures are characterized by distinct seasonal changes and large annual and diurnal temperature changes.

The average annual temperature is 61 degrees with extremes of 25 degrees below zero in the winter to 112 degrees in the summer.
The average frost-free season is 207 to 220 days. The last killing frost being late March or early April and the first killing frost being in later October or early November.
Temperature and rainfall both favor warm season perennial plant growth. In years of abundant spring moisture, annual forbs and cool season grasses can make up an important component of this site. Strong winds blow from the southwest from January through June, which accelerates soil drying during a critical period for cool season plant growth.

Climate data was obtained from http://www.wrcc.sage.dri.edu/summary/climsmnm.html web site using 50% probability for freeze-free and frost-free seasons using 28.5 degrees F and 32.5 degrees F respectively.

Table 3. Representative climatic features

Frost-free period (average)	221 days
Freeze-free period (average)	240 days
Precipitation total (average)	13 in

Influencing water features

This site is not influenced from water from wetlands or streams.

Soil features

Soils are moderately deep or very deep. Surface textures are loamy fine sand, fine sandy loam, loamy very fine sand or gravelly sandy loam.

Subsurface is a loamy fine sand, coarse sandy loam, fine sandy loam or loam that averages less than 18 percent clay and less than 15 percent carbonates.

Substratum is a fine sandy loam or gravelly fine sandy loam with less than 15 percent gravel and with less than 40 percent calcium carbonate. Some layers high in lime or with caliche fragments may occur at depths of 20 to 30 inches.

These soils, if unprotected by plant cover and organic residue, become wind blown and low hummocks are formed.

Minimum and maximum values listed below represent the characteristic soils for this site.

Characteristic soils are:
Maljamar
Berino
Parjarito
Palomas
Wink
Pyote

Table 4. Representative soil features

Surface texture	(1) Fine sand (2) Fine sandy loam (3) Loamy fine sand
Family particle size	(1) Sandy
Drainage class	Well drained to somewhat excessively drained
Permeability class	Moderate to moderately rapid

Soil depth	40–72 in
Surface fragment cover <=3"	0–10%
Surface fragment cover >3"	0%
Available water capacity (0-40in)	5–7 in
Calcium carbonate equivalent (0-40in)	3–40%
Electrical conductivity (0-40in)	2–4 mmhos/cm
Sodium adsorption ratio (0-40in)	0–2
Soil reaction (1:1 water) (0-40in)	6.6–8.4
Subsurface fragment volume <=3" (Depth not specified)	4–12%
Subsurface fragment volume >3" (Depth not specified)	0%

Ecological dynamics

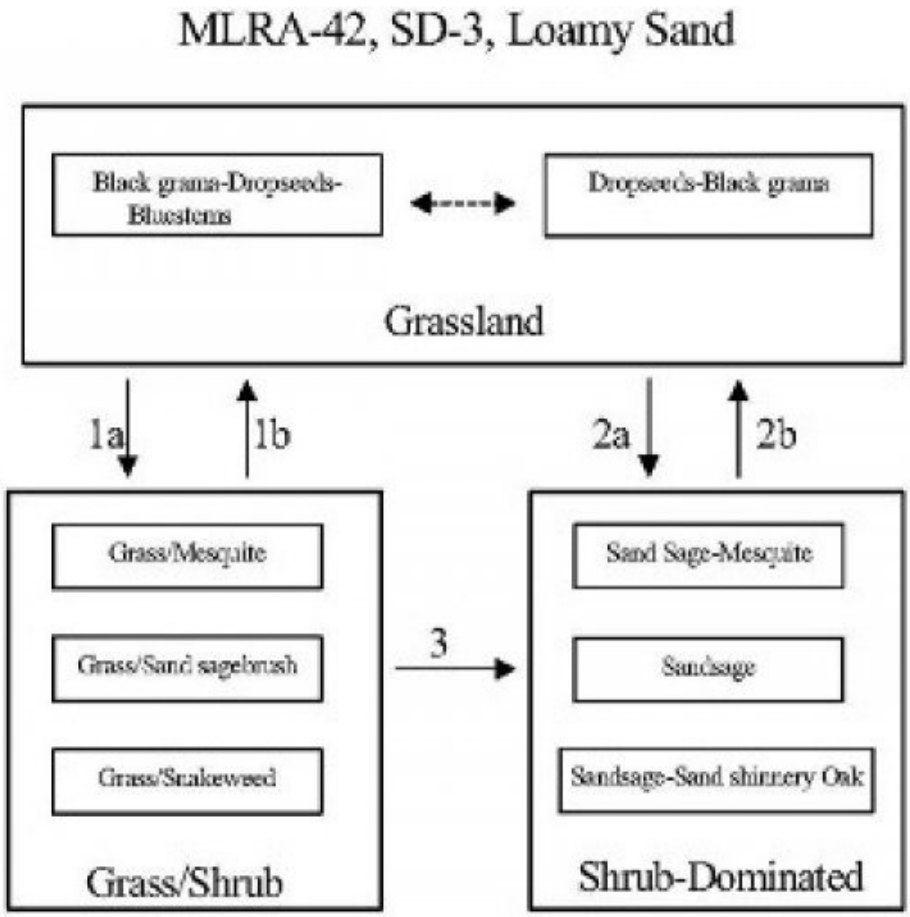
Overview

The Loamy Sand site intergrades with the Deep Sand and Sandy sites (SD-3). These sites can be differentiated by surface soil texture and depth to a textural change. Loamy Sand and Deep Sand sites have coarse textured (sands and loamy sand) surface soils while Sandy sites have moderately coarse textured (sandy loam and fine sandy loam) surfaces. Although Loamy Sand and Deep Sand sites have similar surface textures, the depth to a textural change is different—Loamy Sand sub-surface textures typically increase in clay at approximately 20 to 30 inches, and Deep Sand sites not until around 40 inches.

The historic plant community of Loamy Sand sites is dominated by black grama (*Bouteloua eriopoda*), dropseeds (*Sporobolus flexuosus*, *S. contractus*, *S. cryptandrus*), and bluestems (*Schizachyrium scoparium* and *Andropogon hallii*), with scattered shinnery oak (*Quercus havardii*) and sand sage (*Artemisia filifolia*). Perennial and annual forb abundance and distribution are dependent on precipitation. Litter and to a lesser extent, bare ground, are a significant proportion of ground cover while grasses compose the remainder. Decreases in black grama indicate a transition to either a grass/shrub or shrub-dominated state. The grass/shrub state is composed of grasses/honey mesquite (*Prosopis glandulosa*), grasses/broom snakeweed (*Gutierrezia sarothrae*), or grasses/sand sage. The shrub-dominated state occurs after a severe loss of grass cover and a prevalence of sand sage with secondary shinnery oak and mesquite. Heavy grazing intensity and/or drought are influential drivers in decreasing black grama and bluestems and subsequently increasing shrub cover, erosion, and bare patches. Historical fire suppression also encourages shrub pervasiveness and a competitive advantage over grass species (McPherson 1995). Brush and grazing management, however, may reverse grass/shrub and shrub-dominated states toward the grassland-dominated historic plant community.

State and transition model

Plant Communities and Transitional Pathways (diagram):



1a. Drought, over grazing, fire suppression.
1b. Brush control, prescribed grazing

2.a Severe loss of grass cover, fire suppression, erosion.
2b. Brush control, seeding, prescribed grazing.

3. Continued loss of grass cover, erosion.

State 1
Historic Climax Plant Community

Community 1.1
Historic Climax Plant Community

Grassland: The historic plant community is a uniformly distributed grassland dominated by black grama, dropseeds, and bluestems. Sand sage and shinnery oak are evenly dispersed throughout the grassland due to the coarse soil

surface texture. Perennial and annual forbs are common but their abundance and distribution are reflective of precipitation. Bluestems initially, followed by black grama, decrease with drought and heavy grazing intensity. Historical fire frequency is unknown but likely occurred enough to remove small shrubs to the competitive advantage of grass species. Fire suppression, drought conditions, and excessive grazing drive most grass species out of competition with shrub species. Diagnosis: Grassland dominated by black grama, dropseeds, and bluestems. Shrubs, such as sand sage, shinnery oak, and mesquite are dispersed throughout the grassland. Forbs are present and populations fluctuate with precipitation variability.

Table 5. Annual production by plant type

Plant Type	Low (Lb/Acre)	Representative Value (Lb/Acre)	High (Lb/Acre)
Grass/Grasslike	442	833	1224
Forb	110	208	306
Shrub/Vine	98	184	270
Total	**650**	**1225**	**1800**

Table 6. Ground cover

Tree foliar cover	0%
Shrub/vine/liana foliar cover	0%
Grass/grasslike foliar cover	28%
Forb foliar cover	0%
Non-vascular plants	0%
Biological crusts	0%
Litter	50%
Surface fragments >0.25" and <=3"	0%
Surface fragments >3"	0%
Bedrock	0%
Water	0%
Bare ground	22%

Figure 5. Plant community growth curve (percent production by month). NM2803, R042XC003NM-Loamy Sand-HCPC. SD-3 Loamy Sand - Warm season plant community .

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	0	3	5	10	10	25	30	12	5	0	0

State 2
Grass/Shrub

Community 2.1
Grass/Shrub

Grass/Shrub State: The grass/shrub state is dominated by communities of grasses/mesquite, grasses/snakeweed, or grasses/sand sage. Decreases in black grama and bluestem species lead to an increase in bare patches and mesquite which further competes with grass species. An increase of dropseeds and threeawns occurs. Grass distribution becomes more patchy with an absence or severe decrease in black grama and bluestems. Mesquite provides nitrogen and soil organic matter to co-dominant grasses (Ansley and Jacoby 1998, Ansley et al. 1998). Mesquite mortality when exposed to fire is low due to aggressive resprouting abilities. Herbicide application combined with subsequent prescribed fire may be more effective in mesquite reduction (Britton and Wright 1971). Diagnosis: This state is dominated by an increased abundance of communities including grass/mesquite, grass/snakeweed, or grass/sand sage. Dropseeds and threeawns have a patchy distribution. Transition to Grass/Shrub State (1a): The historic plant community begins to shift toward the grass/shrub state as drivers such as drought, fire suppression, interspecific competition, and excessive grazing contribute to alterations in soil properties and herbaceous cover. Cover loss and surface soil erosion are initial indicators of transition followed by a decrease in black grama with a subsequent increase of dropseeds, threeawns, mesquite, and snakeweed. Snakeweed has been documented to outcompete black grama especially under conditions of fire suppression and drought (McDaniel et al. 1984). Key indicators of approach to transition: • Loss of black grama cover • Surface soil erosion • Bare patch expansion • Increased dropseed/threeawn and mesquite, snakeweed, or sand sage abundances Transition to Historic Plant Community (1b): Brush and grazing management may restore the grassland component and reverse shrub or grass/shrub dominated states back toward the historic plant community.

State 3
Shrub Dominated

Community 3.1
Shrub Dominated

Shrub-Dominated State: The shrub-dominated state results from a severe loss of grass cover. This state's primary species is sand sage. Shinnery oak and mesquite also occur; however, grass cover is limited to intershrub distribution. Sand sage stabilizes light sandy soils from wind erosion, which enhances protected grass/forb cover (Davis and Bonham 1979). However, shinnery oak also responds to the sandy soils with dense stands due to an

aggressive rhizome system. Shinnery oak's extensive root system promotes competitive exclusion of grasses and forbs. Sand sage, shinnery oak, and mesquite can be controlled with herbicide (Herbel et al. 1979, Pettit 1986). Transition to Shrub-Dominated (2a): Severe loss of grass species with increased erosion and fire suppression will result in a transition to a shrub-dominated state with sand sage, Shin oak, and honey mesquite directly from the grassland-dominated state. Key indicators of approach to transition: • Severe loss of grass species cover • Surface soil erosion • Bare patch expansion • Increased sand sage, shinnery oak, and mesquite abundance Transition to Historic Plant Community (2b): Brush and grazing management may restore the grassland component and reverse shrub or grass/shrub dominated states back toward the historic plant community. In addition, seeding with native grass species will augment the transition to a grassland-dominated state. Transition to Shrub-Dominated (3): If the grass/shrub site continues to lose grass cover with soil erosion, the site will transition to a shrub-dominated state with sand sage, shinnery oak, and honey mesquite. Key indicators of approach to transition: • Continual loss of dropseeds/threeawns cover • Surface soil erosion • Bare patch expansion • Increased sand sage, shinnery oak, and mesquite/dropseed/threeawn and mesquite/snakeweed abundance

Additional community tables

Table 7. Community 1.1 plant community composition

Group	Common Name	Symbol	Scientific Name	Annual Production (Lb/Acre)	Foliar Cover (%)
Grass/Grasslike					
1	**Warm Season**			61–123	
	little bluestem	SCSC	*Schizachyrium scoparium*	61–123	–
2	**Warm Season**			37–61	
	sand bluestem	ANHA	*Andropogon hallii*	37–61	–
3	**Warm Season**			37–61	
	cane bluestem	BOBA3	*Bothriochloa barbinodis*	37–61	–
	silver bluestem	BOSA	*Bothriochloa saccharoides*	37–61	–
4	**Warm Season**			123–184	
	black grama	BOER4	*Bouteloua eriopoda*	123–184	–
	bush muhly	MUPO2	*Muhlenbergia porteri*	123–184	–
5	**Warm Season**			123–184	
	thin paspalum	PASE5	*Paspalum setaceum*	123–184	–
	plains bristlegrass	SEVU2	*Setaria vulpiseta*	123–184	–
	fringed signalgrass	URCI	*Urochloa ciliatissima*	123–184	–
6	**Warm Season**			123–184	
	spike dropseed	SPCO4	*Sporobolus contractus*	123–184	–
	sand dropseed	SPCR	*Sporobolus cryptandrus*	123–184	–
	mesa dropseed	SPFL2	*Sporobolus flexuosus*	123–184	–
7	**Warm Season**			61–123	
	hooded windmill grass	CHCU2	*Chloris cucullata*	61–123	–
	Arizona cottontop	DICA8	*Digitaria californica*	61–123	–
9	**Other Perennial Grasses**			37–61	
	Grass, perennial	2GP	*Grass, perennial*	37–61	–
Shrub/Vine					
8	**Warm Season**			37–61	
	New Mexico feathergrass	HENE5	*Hesperostipa neomexicana*	37–61	–
	giant dropseed	SPGI	*Sporobolus giganteus*	37–61	–
10	**Shrub**			61–123	

	sand sagebrush	ARFI2	*Artemisia filifolia*	61–123	–
	Havard oak	QUHA3	*Quercus havardii*	61–123	–
11	**Shrub**			34–61	
	fourwing saltbush	ATCA2	*Atriplex canescens*	37–61	–
	featherplume	DAFO	*Dalea formosa*	37–61	–
12	**Shrub**			37–61	
	jointfir	EPHED	*Ephedra*	37–61	–
	littleleaf ratany	KRER	*Krameria erecta*	37–61	–
13	**Other Shrubs**			37–61	
	Shrub (>.5m)	2SHRUB	*Shrub (>.5m)*	37–61	–
Forb					
14	**Forb**			61–123	
	leatherweed	CRPOP	*Croton pottsii var. pottsii*	61–123	–
	Indian blanket	GAPU	*Gaillardia pulchella*	61–123	–
	globemallow	SPHAE	*Sphaeralcea*	61–123	–
15	**Forb**			12–37	
	woolly groundsel	PACA15	*Packera cana*	12–37	–
16	**Forb**			61–123	
	touristplant	DIWI2	*Dimorphocarpa wislizeni*	61–123	–
	woolly plantain	PLPA2	*Plantago patagonica*	61–123	–
17	**Other Forbs**			37–61	
	Forb (herbaceous, not grass nor grass-like)	2FORB	*Forb (herbaceous, not grass nor grass-like)*	37–61	–

Animal community

This Ecological Site provides habitat which supports a resident animal community that is characterized by pronghorn antelope, desert cottontail, spotted ground squirrel, black-tailed prairie dog, yellow faced pocket gopher, Ord's kangaroo rat, northern grasshopper mouse, southern plains woodrat, badger, roadrunner, meadowlark, burrowing owl, white necked raven, lesser prairie chicken, morning dove, scaled quail, Harris hawk, side blotched lizard, marbled whiptail, Texas horned lizard, western diamondback rattlesnake, dusty hognose snake and ornate box turtle.
Where mesquite has invaded, most resident birds and scissor-tailed flycatcher, morning dove and Swainson's hawk, nest. Vesper and grasshopper sparrows utilize the site during migration.

Hydrological functions

The runoff curve numbers are determined by field investigations using hydraulic cover conditions and hydrologic soil groups.
Hydrologic Interpretations
Soil Series Hydrologic Group
Berino B
Kinco A
Maljamar B
Pajarito B
Palomas B
Wink B
Pyote A

Recreational uses

This site offers recreation potential for hiking, borseback riding, nature observation, photography and hunting. During years of abundant spring moisture, this site displays a colorful array of wildflowers during May and June.

Wood products

This site has no potential for wood products.

Other products

This site is suitable for grazing by all kinds and classes of livestock at any time of year. In cases where this site has been invaded by brush species it is especially suited for goats. Mismanagement of this site will cause a decrease in species such as the bluestems, blsck grama, bush muhly, plains bristlegrass, New Mexico feathergrass, Arizona cottontop and fourwing saltbush. A corresponding increase in the dropseeds, windmill grass, fall witchgrass, silver bluestem, sand sagebrush, shinery oak and ephedra will occur. This will also cause an increase in bare ground which will increase soil erodibility. This site will respond well to a system of management that rotates the season of use.

Other information

Guide to Suggested Initial Stocking Rate Acres per Animal Unit Month
Similarity Index Ac/AUM
100 - 76 2.3 – 3.5
75 – 51 3.0 – 4.5
50 – 26 4.6 – 9.0
25 – 0 9.1 +

Inventory data references

Data collection for this site was done in conjunction with the progressive soil surveys within the Southern Desertic Basins, Plains and Mountains, Major Land Resource Areas of New Mexico. This site has been mapped and correlated with soils in the following soil surveys. Eddy County, Lea County, and Chaves County.

Other references

Literature Cited:

Ansley, R. J.; Jacoby, P. W. 1998. Manipulation of fire intensity to achieve mesquite management goals in north Texas. In: Pruden, Teresa L.; Brennan, Leonard A., eds. Fire in ecosystem management: shifting the paradigm from suppression to prescription: Proceedings, Tall Timbers fire ecology conference; 1996 May 7-10; Boise, ID. No. 20. Tallahassee, FL: Tall Timbers Research Station: 195-204.

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Britton, Carlton M.; Wright, Henry A. 1971. Correlation of weather and fuel variables to mesquite damage by fire. Journal of Range Management 24:136-141.

Davis, Joseph H., III and Bonham, Charles D. 1979. Interference of sand sagebrush canopy with needleandthread. Journal of Range Management 32(5):384-386.

Herbel, C. H, Steger, R, Gould, W. L. 1974. Managing semidesert ranges of the Southwest Circular 456. Las Cruces, NM: New Mexico State University, Cooperative Extension Service. 48 p.

McDaniel, Kirk C.; Pieper, Rex D.; Loomis, Lyn E.; Osman, Abdelgader A. 1984. Taxonomy and ecology of perennial snakeweeds in New Mexico. Bulletin 711. Las Cruces, NM: New Mexico State University, Agricultural Experiment Station. 34 p.

McPherson, Guy R. 1995. The role of fire in the desert grasslands. In: McClaran, Mitchel P.; Van Devender, Thomas R., eds. The desert grassland. Tucson, AZ: The University of Arizona Press: 130-151.

Pettit, Russell D. 1986. Sand shinnery oak: control and management. Management Note 8. Lubbock, TX: Texas Tech University, College of Agricultural Sciences, Department of Range and Wildlife Management. 5 p.

Contributors

Don Sylvester
Quinn Hodgson

Rangeland health reference sheet

Interpreting Indicators of Rangeland Health is a qualitative assessment protocol used to determine ecosystem condition based on benchmark characteristics described in the Reference Sheet. A suite of 17 (or more) indicators are typically considered in an assessment. The ecological site(s) representative of an assessment location must be known prior to applying the protocol and must be verified based on soils and climate. Current plant community cannot be used to identify the ecological site.

Author(s)/participant(s)	
Contact for lead author	
Date	
Approved by	
Approval date	
Composition (Indicators 10 and 12) based on	Annual Production

Indicators

1. **Number and extent of rills:**

2. **Presence of water flow patterns:**

3. **Number and height of erosional pedestals or terracettes:**

4. **Bare ground from Ecological Site Description or other studies (rock, litter, lichen, moss, plant canopy are not bare ground):**

5. **Number of gullies and erosion associated with gullies:**

6. **Extent of wind scoured, blowouts and/or depositional areas:**

7. **Amount of litter movement (describe size and distance expected to travel):**

---

8. **Soil surface (top few mm) resistance to erosion (stability values are averages - most sites will show a range of values):**

---

9. **Soil surface structure and SOM content (include type of structure and A-horizon color and thickness):**

---

10. **Effect of community phase composition (relative proportion of different functional groups) and spatial distribution on infiltration and runoff:**

---

11. **Presence and thickness of compaction layer (usually none; describe soil profile features which may be mistaken for compaction on this site):**

---

12. **Functional/Structural Groups (list in order of descending dominance by above-ground annual-production or live foliar cover using symbols: >>, >, = to indicate much greater than, greater than, and equal to):**

    Dominant:

    Sub-dominant:

    Other:

    Additional:

---

13. **Amount of plant mortality and decadence (include which functional groups are expected to show mortality or decadence):**

---

14. **Average percent litter cover (%) and depth (in):**

---

15. **Expected annual annual-production (this is TOTAL above-ground annual-production, not just forage annual-production):**

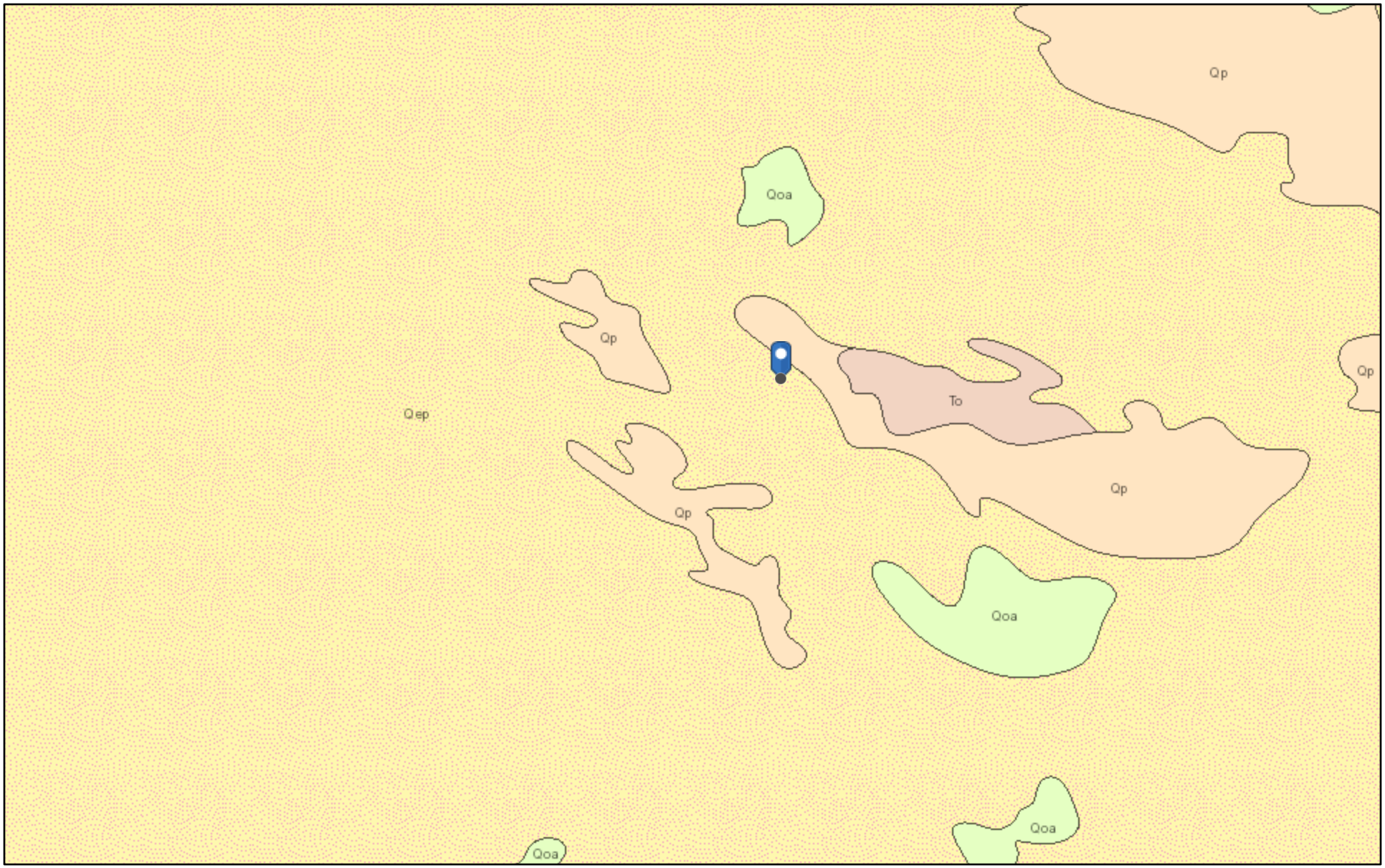
---

16. **Potential invasive (including noxious) species (native and non-native). List species which BOTH characterize degraded states and have the potential to become a dominant or co-dominant species on the ecological site if their future establishment and growth is not actively controlled by management interventions. Species that become dominant for only one to several years (e.g., short-term response to drought or wildfire) are not invasive plants. Note that unlike other indicators, we are describing what is NOT expected in the reference state for the ecological site:**

---

17. **Perennial plant reproductive capability:**

Prometheus State Com #121H Geology



1/4/2024, 1:58:16 PM

1:144,448

0 1 2 4 mi

0 1.5 3 6 km

Lithologic Units

- Playa—Alluvium and evaporite deposits (Holocene)
- Water—Perenial standing water
- Qa—Alluvium (Holocene to upper Pleistocene)

Esri, NASA, NGA, USGS, NMBGMR, USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names

ArcGIS Web AppBuilder

USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global

APPENDIX C – Daily Field Reports

Daily Site Visit Report

Site Photos

Viewing Direction: Northeast	**Viewing Direction**: Northeast
	
BS24-14 excavation another 6 inches	WS24-17 is pushed north another 6 inches
Viewing Direction: North	**Viewing Direction**: North
	
BS24-8 another 6 inches down	BS24-06 another foot down

Daily Site Visit Report

Viewing Direction: North	**Viewing Direction**: South
	
BS24-05 and BS24,03,04 to 1 ft and .5 ft	WS24-03 wall is excavated another 6 inches to the north

Viewing Direction: Northeast	**Viewing Direction**: West
	
Excavation of BS24-14 and WS24-17	Excavation of BS24-3,4 an additional 6 inches

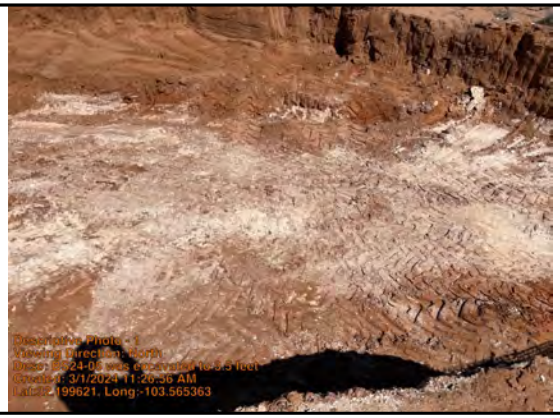
Daily Site Visit Report

Viewing Direction: Northwest	**Viewing Direction**: South
	
Excavation of WS24-03 another 6 inches to the north	Excavation of the BS24-06 another 6 inches

Daily Site Visit Report

Site Photos

Viewing Direction: North



BS24-05 was excavated to 3.5 feet

Viewing Direction: Northwest

BS24-08 area of excavation

Viewing Direction: Northeast

BS24-14 and WS24-18 were excavated another 6 inches down and 6 inches to the north

Daily Site Visit Report

Client:	Tap Rock	Inspection Date:	3/13/2024
Site Location Name:	Prometheus State Com #121H	Report Run Date:	3/13/2024 10:05 PM
Client Contact Name:	Bill Ramsey	API #:	
Client Contact Phone #:	720-238-2787		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

Summary of Times

Arrived at Site	3/13/2024 1:31 PM
Departed Site	

Field Notes

13:31 Arrived on site, looked for potential hazards and filled out JSAs.

13:46 Documented evidence that the release area has been backfilled.

Next Steps & Recommendations

1 Complete closure report and submit it.

Daily Site Visit Report

Site Photos

Viewing Direction: Northwest

Western release area along side south side of the road

Viewing Direction: Southwest

Western release area along side south side of the road

Viewing Direction: North

Center release area south side of the road

Viewing Direction: West

Center release area south side of the road with western release area in the background

Daily Site Visit Report

Viewing Direction: North	**Viewing Direction**: East
	
Eastern release area west of underground pipeline	Eastern release area west of underground pipeline
Viewing Direction: South	**Viewing Direction**: South
	
Eastern release area west of underground pipeline	Eastern release area with east and west sides of pipeline release areas

Daily Site Visit Report

Viewing Direction: South

Eastern release area east of pipeline and west of the road

Viewing Direction: Southeast

Eastern release area east of pipeline and west of the road

Viewing Direction: North

Eastern release area with east and west sides of pipeline release areas

APPENDIX D – Notifications

From: Chance Dixon
To: "eco@slo.state.nm.us"
Cc: "Bill Ramsey"; Wyatt Wadleigh; Knight, Tami C.; Griffin, Becky R.
Subject: RE: Tap Rock - Jackson Unit Flowline
Date: Wednesday, February 7, 2024 8:07:00 AM
Attachments: napp2336273011 Initial C-141.pdf

Good afternoon,

Please accept this email as a 48-hour notification that Vertex Resource Services has scheduled confirmatory sampling to be conducted at Jackson Unit Flowline/Prometheus #121H for the following release.

NMOCD Incident ID: nAPP2336273011
DOR: 12/27/2023

On February 12 through 16, 2024, at approximately 8:00 a.m., Wyatt Wadleigh will be on site to conduct confirmatory sampling. He can be reached at 832-392-4807. If you need directions to the site or have any concerns regarding this notification, please do not hesitate to contact him.

This will be completed on behalf of Tap Rock Resources. The C-141 has been approved which I have attached. We are expecting the Right of Entry request to be approved by the end of this week. No excavation or confirmation sampling will take place until the Right of Entry is approved. Please let me know if there is any additional information I need to provide.

Thank you,

From: Chance Dixon
Sent: Thursday, January 18, 2024 8:09 AM
To: eco@slo.state.nm.us
Cc: Bill Ramsey <Bramsey@taprk.com>
Subject: Tap Rock - Jackson Unit Flowline

Good morning,

Tap Rock and Vertex have received an ARMS Inspection from an approved vendor for the release area at the Jackson Unit Flowline, NMOCD Incident ID nAPP2336273011. No cultural properties were found within the survey.

Incident Location: M-22-24S-33E 1126 FSL 309 FWL
Lat/Long: 32.199746,-103.564771 NAD83
Date of release/discovery: 12/27/2023
OCD Permitting - Incidents (nm.gov)

Please let us know if you require any additional information.

Thank you,

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 312136

QUESTIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 312136
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2336273011**
Incident Name	**NAPP2336273011 JACKSON UNIT FLOWLINE @ 30-025-48742**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-025-48742] JACKSON UNIT #821H**

Location of Release Source	
Site Name	**Jackson Unit Flowline**
Date Release Discovered	**12/27/2023**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	4,000
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/13/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Wyatt Wadleigh will be on site to collect confirmatory samples. He can be reached at 832-392-4807. If you need directions to the site, please do not hesitate to contact him.
Please provide any information necessary for navigation to sampling site	32.199726, -103.564871

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

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 312136
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
vertex1	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.	2/7/2024

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

QUESTIONS

Action 312139

QUESTIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 312139
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2336273011**
Incident Name	**NAPP2336273011 JACKSON UNIT FLOWLINE @ 30-025-48742**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-025-48742] JACKSON UNIT #821H**

Location of Release Source	
Site Name	**Jackson Unit Flowline**
Date Release Discovered	**12/27/2023**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	4,000
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/14/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Wyatt Wadleigh will be on site to collect confirmatory samples. He can be reached at 832-392-4807. If you need directions to the site, please do not hesitate to contact him.
Please provide any information necessary for navigation to sampling site	32.199726, -103.564871

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

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 312139
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
vertex1	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.	2/7/2024

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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 312142

QUESTIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 312142
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2336273011**
Incident Name	**NAPP2336273011 JACKSON UNIT FLOWLINE @ 30-025-48742**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-025-48742] JACKSON UNIT #821H**

Location of Release Source	
Site Name	**Jackson Unit Flowline**
Date Release Discovered	**12/27/2023**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	4,000
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/15/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Wyatt Wadleigh will be on site to collect confirmatory samples. He can be reached at 832-392-4807. If you need directions to the site, please do not hesitate to contact him.
Please provide any information necessary for navigation to sampling site	32.199726, -103.564871

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CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 312142
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
vertex1	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.	2/7/2024

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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 312131

QUESTIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 312131
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2336273011**
Incident Name	**NAPP2336273011 JACKSON UNIT FLOWLINE @ 30-025-48742**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-025-48742] JACKSON UNIT #821H**

Location of Release Source	
Site Name	**Jackson Unit Flowline**
Date Release Discovered	**12/27/2023**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	4,000
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/12/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Wyatt Wadleigh will be on site to collect confirmatory samples. He can be reached at 832-392-4807. If you need directions to the site, please do not hesitate to contact him.
Please provide any information necessary for navigation to sampling site	32.199726, -103.564871

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CONDITIONS

Action 312131

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 312131
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
vertex1	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.	2/7/2024

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

QUESTIONS

Action 314708

QUESTIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 314708
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2336273011**
Incident Name	**NAPP2336273011 JACKSON UNIT FLOWLINE @ 30-025-48742**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-025-48742] JACKSON UNIT #821H**

Location of Release Source	
Site Name	**Jackson Unit Flowline**
Date Release Discovered	**12/27/2023**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	4,000
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/19/2024
Time sampling will commence	10:30 AM
Please provide any information necessary for observers to contact samplers	Wyatt Wadleigh will be on site collect confirmation samples. He can be reached at 832-392-4807. If you need directions to the site or any other information, do not hesitate to contact him.
Please provide any information necessary for navigation to sampling site	32.199726, -103.564871

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

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 314708
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
vertex1	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.	2/15/2024

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Santa Fe, NM 87505

QUESTIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 315106
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2336273011**
Incident Name	**NAPP2336273011 JACKSON UNIT FLOWLINE @ 30-025-48742**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-025-48742] JACKSON UNIT #821H**

Location of Release Source	
Site Name	**Jackson Unit Flowline**
Date Release Discovered	**12/27/2023**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	3,800
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/20/2024
Time sampling will commence	08:30 AM
Please provide any information necessary for observers to contact samplers	Wyatt Wadleigh will be on site to collect confirmation samples. He can be reached at 832-392-4807. If you need directions to the site or any other additional information, do no hesitate to contact him.
Please provide any information necessary for navigation to sampling site	32.199726, -103.564871

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Oil Conservation Division
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Santa Fe, NM 87505

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 315106
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
vertex1	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.	2/16/2024

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1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 317440

QUESTIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 317440
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2336273011**
Incident Name	**NAPP2336273011 JACKSON UNIT FLOWLINE @ 30-025-48742**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-025-48742] JACKSON UNIT #821H**

Location of Release Source	
Site Name	**Jackson Unit Flowline**
Date Release Discovered	**12/27/2023**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	3,000
What is the estimated number of samples that will be gathered	15
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/29/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Wyatt Wadleigh will be on site to collect confirmation samples. He can be reached at 832-392-4807. If you need directions to the site or any other additional information, do not hesitate to call him.
Please provide any information necessary for navigation to sampling site	32.199726, -103.564871

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

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 317440
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
vertex1	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.	2/26/2024

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Santa Fe, NM 87505

QUESTIONS

Action 317446

QUESTIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 317446
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2336273011**
Incident Name	**NAPP2336273011 JACKSON UNIT FLOWLINE @ 30-025-48742**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-025-48742] JACKSON UNIT #821H**

Location of Release Source	
Site Name	**Jackson Unit Flowline**
Date Release Discovered	**12/27/2023**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	3,000
What is the estimated number of samples that will be gathered	15
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/01/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Wyatt Wadleigh will be on site to collect confirmation samples. He can be reached at 832-392-4807. If you need directions to the site or any other additional information, do not hesitate to call him.
Please provide any information necessary for navigation to sampling site	32.199726, -103.564871

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CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 317446
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
vertex1	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.	2/26/2024

APPENDIX E – Laboratory Data Reports and Chain of Custody Forms

Report to:

Chance Dixon

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Vertex Resource Services Inc.

Project Name:	Prometheus 121H
Work Order:	E401046
Job Number:	19031-0001
Received:	1/11/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/17/24

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: 1/17/24

Chance Dixon
3101 Boyd Drive
Carlsbad, NM 88220

Project Name: Prometheus 121H
Workorder: E401046
Date Received: 1/11/2024 11:30:00AM

Chance Dixon,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/11/2024 11:30:00AM, under the Project Name: Prometheus 121H.

The analytical test results summarized in this report with the Project Name: Prometheus 121H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Golzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Table of Contents (continued)

Sample Summary

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	**Reported:**
3101 Boyd Drive	Project Number:	19031-0001	
Carlsbad NM, 88220	Project Manager:	Chance Dixon	01/17/24 11:18

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH24 -01 0'	E401046-01A	Soil	01/05/24	01/11/24	Glass Jar, 2 oz.
BH24 -01 2'	E401046-02A	Soil	01/05/24	01/11/24	Glass Jar, 2 oz.
BH24 -02 0'	E401046-03A	Soil	01/05/24	01/11/24	Glass Jar, 2 oz.
BH24 -02 2'	E401046-04A	Soil	01/05/24	01/11/24	Glass Jar, 2 oz.
BH24 -03 0'	E401046-05A	Soil	01/05/24	01/11/24	Glass Jar, 2 oz.
BH24 -04 0'	E401046-06A	Soil	01/05/24	01/11/24	Glass Jar, 2 oz.
BH24 -04 2'	E401046-07A	Soil	01/05/24	01/11/24	Glass Jar, 2 oz.
BH24 -05 0'	E401046-08A	Soil	01/05/24	01/11/24	Glass Jar, 2 oz.
BH24 -06 0'	E401046-09A	Soil	01/05/24	01/11/24	Glass Jar, 2 oz.
BH24 -06 1'	E401046-10A	Soil	01/05/24	01/11/24	Glass Jar, 2 oz.
BH24 -07 0'	E401046-11A	Soil	01/05/24	01/11/24	Glass Jar, 2 oz.
BH24 -08 0'	E401046-12A	Soil	01/05/24	01/11/24	Glass Jar, 2 oz.
BH24 -08 2'	E401046-13A	Soil	01/05/24	01/11/24	Glass Jar, 2 oz.
BH24 -09 0'	E401046-14A	Soil	01/05/24	01/11/24	Glass Jar, 2 oz.
BH24 -09 2'	E401046-15A	Soil	01/05/24	01/11/24	Glass Jar, 2 oz.
BH24 -10 0'	E401046-16A	Soil	01/05/24	01/11/24	Glass Jar, 2 oz.
BH24 -10 1'	E401046-17A	Soil	01/05/24	01/11/24	Glass Jar, 2 oz.
BH24 -11 0'	E401046-18A	Soil	01/05/24	01/11/24	Glass Jar, 2 oz.
BH24 -11 2'	E401046-19A	Soil	01/05/24	01/11/24	Glass Jar, 2 oz.

Sample Data

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	
3101 Boyd Drive	Project Number:	19031-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	1/17/2024 11:18:15AM

BH24 -01 0'

E401046-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Benzene	ND	0.0250	1	01/11/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/16/24	
Toluene	ND	0.0250	1	01/11/24	01/16/24	
o-Xylene	ND	0.0250	1	01/11/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.9 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2403001
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/24	01/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/24	01/15/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*01/15/24*	*01/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2403006
Chloride	ND	20.0	1	01/15/24	01/15/24	

Sample Data

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	
3101 Boyd Drive	Project Number:	19031-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	1/17/2024 11:18:15AM

BH24 -01 2'

E401046-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Benzene	ND	0.0250	1	01/11/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/16/24	
Toluene	ND	0.0250	1	01/11/24	01/16/24	
o-Xylene	ND	0.0250	1	01/11/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.8 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2403001
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/24	01/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/24	01/15/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*01/15/24*	*01/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2403006
Chloride	ND	20.0	1	01/15/24	01/15/24	

Sample Data

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	
3101 Boyd Drive	Project Number:	19031-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	1/17/2024 11:18:15AM

BH24 -02 0'

E401046-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Benzene	ND	0.0250	1	01/11/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/16/24	
Toluene	ND	0.0250	1	01/11/24	01/16/24	
o-Xylene	ND	0.0250	1	01/11/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.5 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.3 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2403001
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/24	01/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/24	01/15/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*01/15/24*	*01/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2403006
Chloride	ND	20.0	1	01/15/24	01/15/24	

Sample Data

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	
3101 Boyd Drive	Project Number:	19031-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	1/17/2024 11:18:15AM

BH24 -02 2'

E401046-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Benzene	ND	0.0250	1	01/11/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/16/24	
Toluene	ND	0.0250	1	01/11/24	01/16/24	
o-Xylene	ND	0.0250	1	01/11/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.2 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.1 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2403001
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/24	01/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/24	01/15/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*01/15/24*	*01/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2403006
Chloride	ND	20.0	1	01/15/24	01/15/24	

Sample Data

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	
3101 Boyd Drive	Project Number:	19031-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	1/17/2024 11:18:15AM

BH24 -03 0'

E401046-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Benzene	ND	0.0250	1	01/11/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/16/24	
Toluene	ND	0.0250	1	01/11/24	01/16/24	
o-Xylene	ND	0.0250	1	01/11/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.6 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2403001
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/24	01/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/24	01/15/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*01/15/24*	*01/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2403006
Chloride	**161**	20.0	1	01/15/24	01/15/24	

Sample Data

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	
3101 Boyd Drive	Project Number:	19031-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	1/17/2024 11:18:15AM

BH24 -04 0'

E401046-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Benzene	ND	0.0250	1	01/11/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/16/24	
Toluene	ND	0.0250	1	01/11/24	01/16/24	
o-Xylene	ND	0.0250	1	01/11/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.1 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2403001
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/24	01/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/24	01/15/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*01/15/24*	*01/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2403006
Chloride	ND	20.0	1	01/15/24	01/15/24	

Sample Data

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	
3101 Boyd Drive	Project Number:	19031-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	1/17/2024 11:18:15AM

BH24 -04 2'

E401046-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Benzene	ND	0.0250	1	01/11/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/16/24	
Toluene	ND	0.0250	1	01/11/24	01/16/24	
o-Xylene	ND	0.0250	1	01/11/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.8 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2403001
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/24	01/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/24	01/15/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*01/15/24*	*01/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2403006
Chloride	ND	20.0	1	01/15/24	01/15/24	

Sample Data

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	
3101 Boyd Drive	Project Number:	19031-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	1/17/2024 11:18:15AM

BH24 -05 0'

E401046-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Benzene	ND	0.0250	1	01/11/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/16/24	
Toluene	ND	0.0250	1	01/11/24	01/16/24	
o-Xylene	ND	0.0250	1	01/11/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.9 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2403001
Diesel Range Organics (C10-C28)	**55.7**	25.0	1	01/15/24	01/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/24	01/15/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*01/15/24*	*01/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2403006
Chloride	**189**	20.0	1	01/15/24	01/15/24	

Sample Data

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	
3101 Boyd Drive	Project Number:	19031-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	1/17/2024 11:18:15AM

BH24 -06 0'

E401046-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Benzene	ND	0.0250	1	01/11/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/16/24	
Toluene	ND	0.0250	1	01/11/24	01/16/24	
o-Xylene	ND	0.0250	1	01/11/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.8 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.4 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2403001
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/24	01/16/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*01/15/24*	*01/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2403006
Chloride	ND	20.0	1	01/15/24	01/15/24	

Sample Data

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	
3101 Boyd Drive	Project Number:	19031-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	1/17/2024 11:18:15AM

BH24 -06 1'

E401046-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Benzene	ND	0.0250	1	01/11/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/16/24	
Toluene	ND	0.0250	1	01/11/24	01/16/24	
o-Xylene	ND	0.0250	1	01/11/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.7 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2403001
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/24	01/16/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*01/15/24*	*01/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2403006
Chloride	ND	20.0	1	01/15/24	01/15/24	

Sample Data

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	
3101 Boyd Drive	Project Number:	19031-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	1/17/2024 11:18:15AM

BH24 -07 0'

E401046-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Benzene	ND	0.0250	1	01/11/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/16/24	
Toluene	ND	0.0250	1	01/11/24	01/16/24	
o-Xylene	ND	0.0250	1	01/11/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.1 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2403001
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/24	01/16/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*01/15/24*	*01/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2403006
Chloride	**83.2**	20.0	1	01/15/24	01/15/24	

Sample Data

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	
3101 Boyd Drive	Project Number:	19031-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	1/17/2024 11:18:15AM

BH24 -08 0'

E401046-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Benzene	ND	0.0250	1	01/11/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/16/24	
Toluene	ND	0.0250	1	01/11/24	01/16/24	
o-Xylene	ND	0.0250	1	01/11/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.0 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2403001
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/24	01/16/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*01/15/24*	*01/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2403006
Chloride	ND	20.0	1	01/15/24	01/15/24	

Sample Data

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	
3101 Boyd Drive	Project Number:	19031-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	1/17/2024 11:18:15AM

BH24 -08 2'

E401046-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Benzene	ND	0.0250	1	01/11/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/16/24	
Toluene	ND	0.0250	1	01/11/24	01/16/24	
o-Xylene	ND	0.0250	1	01/11/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.3 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2403001
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/24	01/16/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*01/15/24*	*01/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2403006
Chloride	ND	20.0	1	01/15/24	01/15/24	

Sample Data

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	
3101 Boyd Drive	Project Number:	19031-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	1/17/2024 11:18:15AM

BH24 -09 0'

E401046-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Benzene	ND	0.0250	1	01/11/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/16/24	
Toluene	ND	0.0250	1	01/11/24	01/16/24	
o-Xylene	ND	0.0250	1	01/11/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.9 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2403001
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/24	01/16/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*01/15/24*	*01/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2403006
Chloride	ND	20.0	1	01/15/24	01/15/24	

Sample Data

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	
3101 Boyd Drive	Project Number:	19031-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	1/17/2024 11:18:15AM

BH24 -09 2'

E401046-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Benzene	ND	0.0250	1	01/11/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/16/24	
Toluene	ND	0.0250	1	01/11/24	01/16/24	
o-Xylene	ND	0.0250	1	01/11/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.8 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.7 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2403001
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/24	01/16/24	
Surrogate: n-Nonane		*99.3 %*	*50-200*	*01/15/24*	*01/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2403006
Chloride	ND	20.0	1	01/15/24	01/15/24	

Sample Data

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	
3101 Boyd Drive	Project Number:	19031-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	1/17/2024 11:18:15AM

BH24 -10 0'

E401046-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Benzene	ND	0.0250	1	01/11/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/16/24	
Toluene	ND	0.0250	1	01/11/24	01/16/24	
o-Xylene	ND	0.0250	1	01/11/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.2 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2403001
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/24	01/16/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*01/15/24*	*01/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2403006
Chloride	ND	20.0	1	01/15/24	01/15/24	

Sample Data

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	
3101 Boyd Drive	Project Number:	19031-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	1/17/2024 11:18:15AM

BH24 -10 1'

E401046-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Benzene	ND	0.0250	1	01/11/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/16/24	
Toluene	ND	0.0250	1	01/11/24	01/16/24	
o-Xylene	ND	0.0250	1	01/11/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.5 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2403001
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/24	01/16/24	
Surrogate: n-Nonane		*99.4 %*	*50-200*	*01/15/24*	*01/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2403006
Chloride	ND	20.0	1	01/15/24	01/15/24	

Sample Data

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	
3101 Boyd Drive	Project Number:	19031-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	1/17/2024 11:18:15AM

BH24 -11 0'

E401046-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Benzene	ND	0.0250	1	01/11/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/16/24	
Toluene	ND	0.0250	1	01/11/24	01/16/24	
o-Xylene	ND	0.0250	1	01/11/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.0 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2403001
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/24	01/16/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*01/15/24*	*01/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2403006
Chloride	**26.4**	20.0	1	01/15/24	01/15/24	

Sample Data

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	
3101 Boyd Drive	Project Number:	19031-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	1/17/2024 11:18:15AM

BH24 -11 2'

E401046-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Benzene	ND	0.0250	1	01/11/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/16/24	
Toluene	ND	0.0250	1	01/11/24	01/16/24	
o-Xylene	ND	0.0250	1	01/11/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.4 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2402061
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2403001
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/24	01/16/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*01/15/24*	*01/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2403006
Chloride	ND	20.0	1	01/15/24	01/16/24	

QC Summary Data

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	**Reported:**
3101 Boyd Drive	Project Number:	19031-0001	
Carlsbad NM, 88220	Project Manager:	Chance Dixon	1/17/2024 11:18:15AM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2402061-BLK1)									Prepared: 01/11/24 Analyzed: 01/16/24
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	*7.39*		*8.00*		*92.4*	*70-130*			
LCS (2402061-BS1)									Prepared: 01/11/24 Analyzed: 01/16/24
Benzene	4.84	0.0250	5.00		96.9	70-130			
Ethylbenzene	4.82	0.0250	5.00		96.4	70-130			
Toluene	4.87	0.0250	5.00		97.4	70-130			
o-Xylene	4.82	0.0250	5.00		96.5	70-130			
p,m-Xylene	9.81	0.0500	10.0		98.1	70-130			
Total Xylenes	14.6	0.0250	15.0		97.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.40*		*8.00*		*92.5*	*70-130*			
Matrix Spike (2402061-MS1)				**Source: E401046-08**					Prepared: 01/11/24 Analyzed: 01/16/24
Benzene	4.96	0.0250	5.00	ND	99.2	54-133			
Ethylbenzene	4.93	0.0250	5.00	ND	98.5	61-133			
Toluene	4.98	0.0250	5.00	ND	99.6	61-130			
o-Xylene	4.91	0.0250	5.00	ND	98.3	63-131			
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131			
Total Xylenes	14.9	0.0250	15.0	ND	99.6	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.35*		*8.00*		*91.9*	*70-130*			
Matrix Spike Dup (2402061-MSD1)				**Source: E401046-08**					Prepared: 01/11/24 Analyzed: 01/16/24
Benzene	4.80	0.0250	5.00	ND	96.0	54-133	3.29	20	
Ethylbenzene	4.76	0.0250	5.00	ND	95.3	61-133	3.34	20	
Toluene	4.82	0.0250	5.00	ND	96.3	61-130	3.37	20	
o-Xylene	4.76	0.0250	5.00	ND	95.2	63-131	3.24	20	
p,m-Xylene	9.68	0.0500	10.0	ND	96.8	63-131	3.54	20	
Total Xylenes	14.4	0.0250	15.0	ND	96.2	63-131	3.44	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.36*		*8.00*		*92.0*	*70-130*			

QC Summary Data

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	**Reported:**
3101 Boyd Drive	Project Number:	19031-0001	
Carlsbad NM, 88220	Project Manager:	Chance Dixon	1/17/2024 11:18:15AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2402061-BLK1)									Prepared: 01/11/24 Analyzed: 01/16/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.70*		*8.00*		*96.3*	*70-130*			
LCS (2402061-BS2)									Prepared: 01/11/24 Analyzed: 01/16/24
Gasoline Range Organics (C6-C10)	51.0	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.84*		*8.00*		*98.0*	*70-130*			
Matrix Spike (2402061-MS2)				**Source: E401046-08**					Prepared: 01/11/24 Analyzed: 01/16/24
Gasoline Range Organics (C6-C10)	48.7	20.0	50.0	ND	97.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.75*		*8.00*		*96.9*	*70-130*			
Matrix Spike Dup (2402061-MSD2)				**Source: E401046-08**					Prepared: 01/11/24 Analyzed: 01/16/24
Gasoline Range Organics (C6-C10)	50.4	20.0	50.0	ND	101	70-130	3.40	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.84*		*8.00*		*98.0*	*70-130*			

QC Summary Data

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	**Reported:**
3101 Boyd Drive	Project Number:	19031-0001	
Carlsbad NM, 88220	Project Manager:	Chance Dixon	1/17/2024 11:18:15AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2403001-BLK1)									Prepared: 01/15/24 Analyzed: 01/15/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*56.4*		*50.0*		*113*	*50-200*			
LCS (2403001-BS1)									Prepared: 01/15/24 Analyzed: 01/15/24
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
Surrogate: n-Nonane	*68.7*		*50.0*		*137*	*50-200*			
Matrix Spike (2403001-MS1)				**Source: E401046-05**					Prepared: 01/15/24 Analyzed: 01/15/24
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	38-132			
Surrogate: n-Nonane	*63.9*		*50.0*		*128*	*50-200*			
Matrix Spike Dup (2403001-MSD1)				**Source: E401046-05**					Prepared: 01/15/24 Analyzed: 01/15/24
Diesel Range Organics (C10-C28)	232	25.0	250	ND	92.8	38-132	11.0	20	
Surrogate: n-Nonane	*62.1*		*50.0*		*124*	*50-200*			

QC Summary Data

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	**Reported:**
3101 Boyd Drive	Project Number:	19031-0001	
Carlsbad NM, 88220	Project Manager:	Chance Dixon	1/17/2024 11:18:15AM

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 (2403006-BLK1)									Prepared: 01/15/24 Analyzed: 01/15/24
Chloride	ND	20.0							
LCS (2403006-BS1)									Prepared: 01/15/24 Analyzed: 01/15/24
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2403006-MS1)				**Source: E401046-01**					Prepared: 01/15/24 Analyzed: 01/15/24
Chloride	259	20.0	250	ND	104	80-120			
Matrix Spike Dup (2403006-MSD1)				**Source: E401046-01**					Prepared: 01/15/24 Analyzed: 01/15/24
Chloride	257	20.0	250	ND	103	80-120	0.800	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

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	
3101 Boyd Drive	Project Number:	19031-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	01/17/24 11:18

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		Bill To	
Client:	Vertex/TAP ROCK	Attention:	Bill Ramsey (TAP ROCK)
Project:	Prometheus 121H	Address:	On File
Project Manager:	Chance Dixon	City, State, Zip	
Address:	On File	Phone:	
City, State, Zip		Email:	
Phone:			
Email:			
Report due by:	1/18/24		

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E401046	19031-0001				✓		RCRA

State: NM | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX			Remarks
9:00	1-5-24	Soil	1	BH24-01 0'	1	✓	✓			✓							
9:10				BH24-01 2'	2												
9:20				BH24-02 0'	3												
9:30				BH24-02 2'	4												
9:40				BH24-03 0'	5												
9:50				BH24-04 0'	6												
10:00				BH24-04 2'	7												
10:10				BH24-05 0'	8												
10:20				BH24-06 0'	9												
10:30				BH24-06 1'	10												

Additional Instructions: CC: cdixon@vertex.ca

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	1-10-24	10:00	Michelle [signature]	1-10-24	1000
Michelle [signature]	1-10-24	1545	Andrew Musso	1-10-24	1645
Andrew Musso	1-10-24	2245	[signature]	1-11-24	1130

Lab Use Only
Received on ice: (Y) / N
T1 ______ T2 ______ T3 ______
AVG Temp °C 4

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

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

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

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Project Information | Chain of Custody | Page 2 of 2

Client: Vertex / TGP Rock	Bill To Attention: Bill Ramsey (TGP Rock)	Lab Use Only Lab WO# E401046 Job Number 19031-0001
Project: Prometheus 121H	Address: On File	TAT 1D 2D 3D Standard ✓
Project Manager: Chance Dixon	City, State, Zip	EPA Program CWA SDWA RCRA
Address: On File	Phone:	State NM ✓ CO UT AZ TX
City, State, Zip	Email:	
Phone:		
Email:		
Report due by: 1/18/24		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
10:40	1-5-24	Soil	1	BH24-07 0'	11	✓	✓			✓			
10:50				BH24-08 0'	12								
11:00				BH24-08 2'	13								
11:10				BH24-09 0'	14								
11:20				BH24-09 2'	15								
11:30				BH24-10 0'	16								
11:40				BH24-10 1'	17								
11:50				BH24-11 0'	18								
12:00				BH24-11 2'	19								

Additional Instructions: CC: cdixon@vertex.ca

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1-10-24	10:00		1-10-24	1000
	1-10-24	1545		1-10-24	1645
	1.10.24	2245		1-11-24	1130

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

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

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

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Envirotech Analytical Laboratory

Printed: 1/11/2024 1:45:58PM

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:	Vertex Resource Services Inc.	Date Received:	01/11/24 11:30	Work Order ID:	E401046
Phone:	(575) 748-0176	Date Logged In:	01/10/24 16:14	Logged In By:	Alexa Michaels
Email:	cdixon@vertex.ca	Due Date:	01/17/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
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 filteration 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:

Chance Dixon

5796 U.S. Hwy 64
Farmington, NM 87401

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

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Practical Solutions for a Better Tomorrow

Analytical Report

Vertex Resource Services Inc.

Project Name:	Prometheus 121H
Work Order:	E401047
Job Number:	19031-0001
Received:	1/11/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/17/24

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: 1/17/24

Chance Dixon
3101 Boyd Drive
Carlsbad, NM 88220

Project Name: Prometheus 121H
Workorder: E401047
Date Received: 1/11/2024 11:30:00AM

Chance Dixon,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/11/2024 11:30:00AM, under the Project Name: Prometheus 121H.

The analytical test results summarized in this report with the Project Name: Prometheus 121H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Golzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	**Reported:**
3101 Boyd Drive	Project Number:	19031-0001	
Carlsbad NM, 88220	Project Manager:	Chance Dixon	01/17/24 14:01

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH24-12 0'	E401047-01A	Soil	01/08/24	01/11/24	Glass Jar, 2 oz.
BH24-12 2'	E401047-02A	Soil	01/08/24	01/11/24	Glass Jar, 2 oz.
BH24-12 4'	E401047-03A	Soil	01/08/24	01/11/24	Glass Jar, 2 oz.
BH24-13 0'	E401047-04A	Soil	01/08/24	01/11/24	Glass Jar, 2 oz.
BH24-14 0'	E401047-05A	Soil	01/08/24	01/11/24	Glass Jar, 2 oz.
BH24-15 0'	E401047-06A	Soil	01/08/24	01/11/24	Glass Jar, 2 oz.
BH24-16 0'	E401047-07A	Soil	01/08/24	01/11/24	Glass Jar, 2 oz.

Sample Data

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	
3101 Boyd Drive	Project Number:	19031-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	1/17/2024 2:01:19PM

BH24-12 0'

E401047-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2402045
Benzene	**1.76**	0.500	20	01/11/24	01/17/24	
Ethylbenzene	**9.77**	0.500	20	01/11/24	01/17/24	
Toluene	**22.1**	0.500	20	01/11/24	01/17/24	
o-Xylene	**13.2**	0.500	20	01/11/24	01/17/24	
p,m-Xylene	**35.8**	1.00	20	01/11/24	01/17/24	
Total Xylenes	**49.0**	0.500	20	01/11/24	01/17/24	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*01/11/24*	*01/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.0 %*	*70-130*	*01/11/24*	*01/17/24*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*01/11/24*	*01/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2402045
Gasoline Range Organics (C6-C10)	**1090**	400	20	01/11/24	01/17/24	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*01/11/24*	*01/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.0 %*	*70-130*	*01/11/24*	*01/17/24*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*01/11/24*	*01/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2402053
Diesel Range Organics (C10-C28)	**7410**	25.0	1	01/11/24	01/12/24	
Oil Range Organics (C28-C36)	**2090**	50.0	1	01/11/24	01/12/24	
Surrogate: n-Nonane		*270 %*	*50-200*	*01/11/24*	*01/12/24*	*S5*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2403005
Chloride	**3360**	40.0	2	01/15/24	01/15/24	

Sample Data

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	
3101 Boyd Drive	Project Number:	19031-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	1/17/2024 2:01:19PM

BH24-12 2'

E401047-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2402045
Benzene	ND	0.0250	1	01/11/24	01/17/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/17/24	
Toluene	ND	0.0250	1	01/11/24	01/17/24	
o-Xylene	ND	0.0250	1	01/11/24	01/17/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/17/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/17/24	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*01/11/24*	*01/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.0 %*	*70-130*	*01/11/24*	*01/17/24*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*01/11/24*	*01/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2402045
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/17/24	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*01/11/24*	*01/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.0 %*	*70-130*	*01/11/24*	*01/17/24*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*01/11/24*	*01/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2402053
Diesel Range Organics (C10-C28)	**55.7**	25.0	1	01/11/24	01/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/24	01/12/24	
Surrogate: n-Nonane		*98.4 %*	*50-200*	*01/11/24*	*01/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2403005
Chloride	**970**	20.0	1	01/15/24	01/15/24	

Sample Data

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	
3101 Boyd Drive	Project Number:	19031-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	1/17/2024 2:01:19PM

BH24-12 4'

E401047-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2402045
Benzene	ND	0.0250	1	01/11/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/16/24	
Toluene	ND	0.0250	1	01/11/24	01/16/24	
o-Xylene	ND	0.0250	1	01/11/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/16/24	
Surrogate: Bromofluorobenzene		*113 %*	*70-130*	*01/11/24*	*01/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.8 %*	*70-130*	*01/11/24*	*01/16/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2402045
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/16/24	
Surrogate: Bromofluorobenzene		*113 %*	*70-130*	*01/11/24*	*01/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.8 %*	*70-130*	*01/11/24*	*01/16/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2402053
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/24	01/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/24	01/12/24	
Surrogate: n-Nonane		*91.1 %*	*50-200*	*01/11/24*	*01/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2403005
Chloride	**139**	20.0	1	01/15/24	01/15/24	

Sample Data

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	
3101 Boyd Drive	Project Number:	19031-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	1/17/2024 2:01:19PM

BH24-13 0'

E401047-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2402045
Benzene	ND	0.0250	1	01/11/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/16/24	
Toluene	ND	0.0250	1	01/11/24	01/16/24	
o-Xylene	ND	0.0250	1	01/11/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/16/24	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*01/11/24*	*01/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.2 %*	*70-130*	*01/11/24*	*01/16/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2402045
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/16/24	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*01/11/24*	*01/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.2 %*	*70-130*	*01/11/24*	*01/16/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2402053
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/24	01/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/24	01/12/24	
Surrogate: n-Nonane		*95.6 %*	*50-200*	*01/11/24*	*01/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2403005
Chloride	**2830**	40.0	2	01/15/24	01/15/24	

Sample Data

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	
3101 Boyd Drive	Project Number:	19031-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	1/17/2024 2:01:19PM

BH24-14 0'

E401047-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2402045
Benzene	ND	0.0250	1	01/11/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/11/24	01/16/24	
Toluene	**0.0355**	0.0250	1	01/11/24	01/16/24	
o-Xylene	ND	0.0250	1	01/11/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/11/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/11/24	01/16/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*01/11/24*	*01/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.3 %*	*70-130*	*01/11/24*	*01/16/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2402045
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/11/24	01/16/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*01/11/24*	*01/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.3 %*	*70-130*	*01/11/24*	*01/16/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*01/11/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2402053
Diesel Range Organics (C10-C28)	ND	25.0	1	01/11/24	01/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/11/24	01/12/24	
Surrogate: n-Nonane		*91.9 %*	*50-200*	*01/11/24*	*01/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2403005
Chloride	**2940**	40.0	2	01/15/24	01/15/24	

Sample Data

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	
3101 Boyd Drive	Project Number:	19031-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	1/17/2024 2:01:19PM

BH24-15 0'

E401047-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2402045
Benzene	**16.8**	0.500	20	01/11/24	01/17/24	
Ethylbenzene	**22.1**	0.500	20	01/11/24	01/17/24	
Toluene	**81.7**	0.500	20	01/11/24	01/17/24	
o-Xylene	**28.3**	0.500	20	01/11/24	01/17/24	
p,m-Xylene	**77.9**	1.00	20	01/11/24	01/17/24	
Total Xylenes	**106**	0.500	20	01/11/24	01/17/24	
Surrogate: Bromofluorobenzene		*113 %*	*70-130*	*01/11/24*	*01/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.9 %*	*70-130*	*01/11/24*	*01/17/24*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*01/11/24*	*01/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2402045
Gasoline Range Organics (C6-C10)	**1950**	400	20	01/11/24	01/17/24	
Surrogate: Bromofluorobenzene		*113 %*	*70-130*	*01/11/24*	*01/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.9 %*	*70-130*	*01/11/24*	*01/17/24*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*01/11/24*	*01/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2402053
Diesel Range Organics (C10-C28)	**10600**	250	10	01/11/24	01/12/24	
Oil Range Organics (C28-C36)	**3050**	500	10	01/11/24	01/12/24	
Surrogate: n-Nonane		*416 %*	*50-200*	*01/11/24*	*01/12/24*	*S5*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2403005
Chloride	**5160**	40.0	2	01/15/24	01/15/24	

Sample Data

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	
3101 Boyd Drive	Project Number:	19031-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	1/17/2024 2:01:19PM

BH24-16 0'

E401047-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2402045
Benzene	**0.0250**	0.0250	1	01/11/24	01/17/24	
Ethylbenzene	**0.248**	0.0250	1	01/11/24	01/17/24	
Toluene	**0.428**	0.0250	1	01/11/24	01/17/24	
o-Xylene	**0.417**	0.0250	1	01/11/24	01/17/24	
p,m-Xylene	**1.07**	0.0500	1	01/11/24	01/17/24	
Total Xylenes	**1.48**	0.0250	1	01/11/24	01/17/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*01/11/24*	*01/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*88.1 %*	*70-130*	*01/11/24*	*01/17/24*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*01/11/24*	*01/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2402045
Gasoline Range Organics (C6-C10)	**37.0**	20.0	1	01/11/24	01/17/24	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*01/11/24*	*01/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*88.1 %*	*70-130*	*01/11/24*	*01/17/24*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*01/11/24*	*01/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2402053
Diesel Range Organics (C10-C28)	**1310**	25.0	1	01/11/24	01/12/24	
Oil Range Organics (C28-C36)	**488**	50.0	1	01/11/24	01/12/24	
Surrogate: n-Nonane		*96.3 %*	*50-200*	*01/11/24*	*01/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2403005
Chloride	**999**	20.0	1	01/15/24	01/15/24	

QC Summary Data

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	**Reported:**
3101 Boyd Drive	Project Number:	19031-0001	
Carlsbad NM, 88220	Project Manager:	Chance Dixon	1/17/2024 2:01:19PM

Volatile Organic Compounds by EPA 8260B

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 (2402045-BLK1)									Prepared: 01/10/24 Analyzed: 01/15/24
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: Bromofluorobenzene	*0.547*		*0.500*		*109*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.456*		*0.500*		*91.2*	*70-130*			
Surrogate: Toluene-d8	*0.551*		*0.500*		*110*	*70-130*			
LCS (2402045-BS1)									Prepared: 01/10/24 Analyzed: 01/15/24
Benzene	2.68	0.0250	2.50		107	70-130			
Ethylbenzene	2.71	0.0250	2.50		108	70-130			
Toluene	2.63	0.0250	2.50		105	70-130			
o-Xylene	2.79	0.0250	2.50		112	70-130			
p,m-Xylene	5.56	0.0500	5.00		111	70-130			
Total Xylenes	8.35	0.0250	7.50		111	70-130			
Surrogate: Bromofluorobenzene	*0.582*		*0.500*		*116*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.482*		*0.500*		*96.3*	*70-130*			
Surrogate: Toluene-d8	*0.535*		*0.500*		*107*	*70-130*			
Matrix Spike (2402045-MS1)				**Source: E401045-21**					Prepared: 01/10/24 Analyzed: 01/16/24
Benzene	2.64	0.0250	2.50	ND	106	48-131			
Ethylbenzene	2.69	0.0250	2.50	ND	107	45-135			
Toluene	2.63	0.0250	2.50	ND	105	48-130			
o-Xylene	2.75	0.0250	2.50	ND	110	43-135			
p,m-Xylene	5.49	0.0500	5.00	ND	110	43-135			
Total Xylenes	8.24	0.0250	7.50	ND	110	43-135			
Surrogate: Bromofluorobenzene	*0.576*		*0.500*		*115*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.493*		*0.500*		*98.6*	*70-130*			
Surrogate: Toluene-d8	*0.544*		*0.500*		*109*	*70-130*			
Matrix Spike Dup (2402045-MSD1)				**Source: E401045-21**					Prepared: 01/10/24 Analyzed: 01/15/24
Benzene	2.55	0.0250	2.50	ND	102	48-131	3.49	23	
Ethylbenzene	2.59	0.0250	2.50	ND	104	45-135	3.51	27	
Toluene	2.54	0.0250	2.50	ND	102	48-130	3.67	24	
o-Xylene	2.66	0.0250	2.50	ND	106	43-135	3.31	27	
p,m-Xylene	5.28	0.0500	5.00	ND	105	43-135	4.01	27	
Total Xylenes	7.93	0.0250	7.50	ND	106	43-135	3.78	27	
Surrogate: Bromofluorobenzene	*0.560*		*0.500*		*112*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.471*		*0.500*		*94.1*	*70-130*			
Surrogate: Toluene-d8	*0.541*		*0.500*		*108*	*70-130*			

QC Summary Data

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	**Reported:**
3101 Boyd Drive	Project Number:	19031-0001	
Carlsbad NM, 88220	Project Manager:	Chance Dixon	1/17/2024 2:01:19PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2402045-BLK1)									Prepared: 01/10/24 Analyzed: 01/15/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.547*		*0.500*		*109*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.456*		*0.500*		*91.2*	*70-130*			
Surrogate: Toluene-d8	*0.551*		*0.500*		*110*	*70-130*			
LCS (2402045-BS2)									Prepared: 01/10/24 Analyzed: 01/15/24
Gasoline Range Organics (C6-C10)	50.3	20.0	50.0		101	70-130			
Surrogate: Bromofluorobenzene	*0.546*		*0.500*		*109*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.468*		*0.500*		*93.5*	*70-130*			
Surrogate: Toluene-d8	*0.551*		*0.500*		*110*	*70-130*			
Matrix Spike (2402045-MS2)				**Source: E401045-21**					Prepared: 01/10/24 Analyzed: 01/15/24
Gasoline Range Organics (C6-C10)	55.3	20.0	50.0	ND	111	70-130			
Surrogate: Bromofluorobenzene	*0.564*		*0.500*		*113*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.471*		*0.500*		*94.1*	*70-130*			
Surrogate: Toluene-d8	*0.550*		*0.500*		*110*	*70-130*			
Matrix Spike Dup (2402045-MSD2)				**Source: E401045-21**					Prepared: 01/10/24 Analyzed: 01/15/24
Gasoline Range Organics (C6-C10)	56.4	20.0	50.0	ND	113	70-130	1.89	20	
Surrogate: Bromofluorobenzene	*0.549*		*0.500*		*110*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.488*		*0.500*		*97.5*	*70-130*			
Surrogate: Toluene-d8	*0.555*		*0.500*		*111*	*70-130*			

QC Summary Data

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	**Reported:**
3101 Boyd Drive	Project Number:	19031-0001	
Carlsbad NM, 88220	Project Manager:	Chance Dixon	1/17/2024 2:01:19PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2402053-BLK1)									Prepared: 01/11/24 Analyzed: 01/11/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*42.5*		*50.0*		*85.0*	*50-200*			
LCS (2402053-BS1)									Prepared: 01/11/24 Analyzed: 01/11/24
Diesel Range Organics (C10-C28)	225	25.0	250		90.1	38-132			
Surrogate: n-Nonane	*46.8*		*50.0*		*93.6*	*50-200*			
Matrix Spike (2402053-MS1)				**Source: E401044-04**					Prepared: 01/11/24 Analyzed: 01/11/24
Diesel Range Organics (C10-C28)	235	25.0	250	ND	93.8	38-132			
Surrogate: n-Nonane	*44.8*		*50.0*		*89.6*	*50-200*			
Matrix Spike Dup (2402053-MSD1)				**Source: E401044-04**					Prepared: 01/11/24 Analyzed: 01/11/24
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.6	38-132	3.89	20	
Surrogate: n-Nonane	*45.3*		*50.0*		*90.5*	*50-200*			

QC Summary Data

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	**Reported:**
3101 Boyd Drive	Project Number:	19031-0001	
Carlsbad NM, 88220	Project Manager:	Chance Dixon	1/17/2024 2:01:19PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2403005-BLK1)									Prepared: 01/15/24 Analyzed: 01/15/24
Chloride	ND	20.0							
LCS (2403005-BS1)									Prepared: 01/15/24 Analyzed: 01/15/24
Chloride	250	20.0	250		99.9	90-110			
Matrix Spike (2403005-MS1)				**Source: E401045-22**					Prepared: 01/15/24 Analyzed: 01/15/24
Chloride	346	20.0	250	89.5	103	80-120			
Matrix Spike Dup (2403005-MSD1)				**Source: E401045-22**					Prepared: 01/15/24 Analyzed: 01/15/24
Chloride	350	20.0	250	89.5	104	80-120	1.14	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

Vertex Resource Services Inc.	Project Name:	Prometheus 121H	
3101 Boyd Drive	Project Number:	19031-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	01/17/24 14:01

S5	Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
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 1

Client:	Vertex / Tap Rock
Project:	Prometheus 121H
Project Manager:	Chance Dixon
Address:	on File
City, State, Zip	
Phone:	
Email:	
Report due by:	1/18/24

Bill To

Attention:	Bill Ramsey
Address:	on File
City, State, Zip	
Phone:	
Email:	

Lab Use Only

Lab WO#	Job Number
E401047	19031-0001

TAT: 1D | 2D | 3D | Standard ✓

EPA Program: CWA | SDWA | RCRA

State: NM | CO | UT | AZ | TX

Analysis and Method: TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | BGDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
12:00	1-8-24	Soil	1	BH24-12 0'-	1	✓	✓			✓			
12:10				BH24-12 2'	2								
12:20				BH24-12 4'	3								
12:30				BH24-13 0'	4								
12:40				BH24-14 0'	5								
12:50				BH24-15 0'	6								
13:00				BH24-16 0'	7								

Additional Instructions: CC: cdixon@vertex.ca

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1-10-24	10:00		1-10-24	1000
	1-10-24	1545		1-10-24	1645
	1-10-24	2245		1-11-24	1130

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 1/11/2024 1:52:32PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Vertex Resource Services Inc.	Date Received:	01/11/24 11:30	Work Order ID:	E401047
Phone:	(575) 748-0176	Date Logged In:	01/10/24 16:19	Logged In By:	Alexa Michaels
Email:	cdixon@vertex.ca	Due Date:	01/17/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier:
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
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 filteration 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:

Chance Dixon

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Tap Rock

Project Name:	Prometheus State Com #121H
Work Order:	E401064
Job Number:	19031-0001
Received:	1/12/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/18/24

Date Reported: 1/18/24

Chance Dixon
7 W. Compress Road
Artesia, NM 88210

Project Name: Prometheus State Com #121H
Workorder: E401064
Date Received: 1/12/2024 7:00:00AM

Chance Dixon,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/12/2024 7:00:00AM, under the Project Name: Prometheus State Com #121H.

The analytical test results summarized in this report with the Project Name: Prometheus State Com #121H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Golzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Tap Rock	Project Name:	Prometheus State Com #121H	**Reported:**
7 W. Compress Road	Project Number:	19031-0001	
Artesia NM, 88210	Project Manager:	Chance Dixon	01/18/24 15:44

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH24-17 0.0'	E401064-01A	Soil	01/10/24	01/12/24	Glass Jar, 2 oz.
BH24-17 2.0'	E401064-02A	Soil	01/10/24	01/12/24	Glass Jar, 2 oz.
BH24-18 0.0'	E401064-03A	Soil	01/10/24	01/12/24	Glass Jar, 2 oz.
BH24-18 2.0'	E401064-04A	Soil	01/10/24	01/12/24	Glass Jar, 2 oz.
BH24-20 0.0'	E401064-05A	Soil	01/10/24	01/12/24	Glass Jar, 2 oz.
BH24-20 2.0'	E401064-06A	Soil	01/10/24	01/12/24	Glass Jar, 2 oz.

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
7 W. Compress Road	Project Number:	19031-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chance Dixon	1/18/2024 3:44:34PM

BH24-17 0.0'

E401064-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2402071
Benzene	ND	0.0250	1	01/12/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/12/24	01/16/24	
Toluene	ND	0.0250	1	01/12/24	01/16/24	
o-Xylene	ND	0.0250	1	01/12/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/12/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/12/24	01/16/24	
Surrogate: Bromofluorobenzene		*121 %*	*70-130*	*01/12/24*	*01/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.5 %*	*70-130*	*01/12/24*	*01/16/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*01/12/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2402071
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/24	01/16/24	
Surrogate: Bromofluorobenzene		*121 %*	*70-130*	*01/12/24*	*01/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.5 %*	*70-130*	*01/12/24*	*01/16/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*01/12/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2403002
Diesel Range Organics (C10-C28)	**717**	25.0	1	01/15/24	01/17/24	
Oil Range Organics (C28-C36)	**286**	50.0	1	01/15/24	01/17/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*01/15/24*	*01/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2403010
Chloride	**2840**	40.0	2	01/15/24	01/17/24	

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
7 W. Compress Road	Project Number:	19031-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chance Dixon	1/18/2024 3:44:34PM

BH24-17 2.0'

E401064-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2402071
Benzene	ND	0.0250	1	01/12/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/12/24	01/16/24	
Toluene	ND	0.0250	1	01/12/24	01/16/24	
o-Xylene	ND	0.0250	1	01/12/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/12/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/12/24	01/16/24	
Surrogate: Bromofluorobenzene		*119 %*	*70-130*	*01/12/24*	*01/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.3 %*	*70-130*	*01/12/24*	*01/16/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*01/12/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2402071
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/24	01/16/24	
Surrogate: Bromofluorobenzene		*119 %*	*70-130*	*01/12/24*	*01/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.3 %*	*70-130*	*01/12/24*	*01/16/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*01/12/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2403002
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/24	01/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/24	01/17/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*01/15/24*	*01/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2403010
Chloride	**516**	20.0	1	01/15/24	01/17/24	

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
7 W. Compress Road	Project Number:	19031-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chance Dixon	1/18/2024 3:44:34PM

BH24-18 0.0'

E401064-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2402071
Benzene	ND	0.0250	1	01/12/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/12/24	01/16/24	
Toluene	ND	0.0250	1	01/12/24	01/16/24	
o-Xylene	**0.0350**	0.0250	1	01/12/24	01/16/24	
p,m-Xylene	**0.0570**	0.0500	1	01/12/24	01/16/24	
Total Xylenes	**0.0920**	0.0250	1	01/12/24	01/16/24	
Surrogate: Bromofluorobenzene		*119 %*	*70-130*	*01/12/24*	*01/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.1 %*	*70-130*	*01/12/24*	*01/16/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*01/12/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2402071
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/24	01/16/24	
Surrogate: Bromofluorobenzene		*119 %*	*70-130*	*01/12/24*	*01/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.1 %*	*70-130*	*01/12/24*	*01/16/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*01/12/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2403002
Diesel Range Organics (C10-C28)	**1090**	25.0	1	01/15/24	01/17/24	
Oil Range Organics (C28-C36)	**441**	50.0	1	01/15/24	01/17/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*01/15/24*	*01/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2403010
Chloride	**2410**	40.0	2	01/15/24	01/17/24	

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
7 W. Compress Road	Project Number:	19031-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chance Dixon	1/18/2024 3:44:34PM

BH24-18 2.0'

E401064-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2402071
Benzene	ND	0.0250	1	01/12/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/12/24	01/16/24	
Toluene	ND	0.0250	1	01/12/24	01/16/24	
o-Xylene	ND	0.0250	1	01/12/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/12/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/12/24	01/16/24	
Surrogate: Bromofluorobenzene		*122 %*	*70-130*	*01/12/24*	*01/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*01/12/24*	*01/16/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*01/12/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2402071
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/24	01/16/24	
Surrogate: Bromofluorobenzene		*122 %*	*70-130*	*01/12/24*	*01/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*01/12/24*	*01/16/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*01/12/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2403002
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/24	01/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/24	01/17/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*01/15/24*	*01/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2403010
Chloride	**45.6**	20.0	1	01/15/24	01/17/24	

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
7 W. Compress Road	Project Number:	19031-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chance Dixon	1/18/2024 3:44:34PM

BH24-20 0.0'

E401064-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2402071
Benzene	ND	0.0250	1	01/12/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/12/24	01/16/24	
Toluene	ND	0.0250	1	01/12/24	01/16/24	
o-Xylene	ND	0.0250	1	01/12/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/12/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/12/24	01/16/24	
Surrogate: Bromofluorobenzene		*118 %*	*70-130*	*01/12/24*	*01/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.6 %*	*70-130*	*01/12/24*	*01/16/24*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*01/12/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2402071
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/24	01/16/24	
Surrogate: Bromofluorobenzene		*118 %*	*70-130*	*01/12/24*	*01/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.6 %*	*70-130*	*01/12/24*	*01/16/24*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*01/12/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2403002
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/24	01/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/24	01/17/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*01/15/24*	*01/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2403010
Chloride	**180**	20.0	1	01/15/24	01/17/24	

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
7 W. Compress Road	Project Number:	19031-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chance Dixon	1/18/2024 3:44:34PM

BH24-20 2.0'

E401064-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2402071
Benzene	ND	0.0250	1	01/12/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/12/24	01/16/24	
Toluene	ND	0.0250	1	01/12/24	01/16/24	
o-Xylene	ND	0.0250	1	01/12/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/12/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/12/24	01/16/24	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*01/12/24*	*01/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*70-130*	*01/12/24*	*01/16/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*01/12/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2402071
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/24	01/16/24	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*01/12/24*	*01/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*70-130*	*01/12/24*	*01/16/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*01/12/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2403002
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/24	01/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/24	01/17/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*01/15/24*	*01/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2403010
Chloride	**35.6**	20.0	1	01/15/24	01/17/24	

QC Summary Data

Tap Rock	Project Name:	Prometheus State Com #121H	**Reported:**
7 W. Compress Road	Project Number:	19031-0001	
Artesia NM, 88210	Project Manager:	Chance Dixon	1/18/2024 3:44:34PM

Volatile Organic Compounds by EPA 8260B

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 (2402071-BLK1)									Prepared: 01/12/24 Analyzed: 01/16/24
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: Bromofluorobenzene	*0.584*		*0.500*		*117*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.478*		*0.500*		*95.6*	*70-130*			
Surrogate: Toluene-d8	*0.565*		*0.500*		*113*	*70-130*			
LCS (2402071-BS1)									Prepared: 01/12/24 Analyzed: 01/16/24
Benzene	2.40	0.0250	2.50		95.9	70-130			
Ethylbenzene	2.66	0.0250	2.50		106	70-130			
Toluene	2.57	0.0250	2.50		103	70-130			
o-Xylene	2.60	0.0250	2.50		104	70-130			
p,m-Xylene	5.24	0.0500	5.00		105	70-130			
Total Xylenes	7.83	0.0250	7.50		104	70-130			
Surrogate: Bromofluorobenzene	*0.612*		*0.500*		*122*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.495*		*0.500*		*99.0*	*70-130*			
Surrogate: Toluene-d8	*0.571*		*0.500*		*114*	*70-130*			
Matrix Spike (2402071-MS1)				**Source: E401062-06**					Prepared: 01/12/24 Analyzed: 01/16/24
Benzene	2.46	0.0250	2.50	ND	98.4	48-131			
Ethylbenzene	2.78	0.0250	2.50	ND	111	45-135			
Toluene	2.69	0.0250	2.50	ND	107	48-130			
o-Xylene	2.84	0.0250	2.50	ND	113	43-135			
p,m-Xylene	5.68	0.0500	5.00	ND	114	43-135			
Total Xylenes	8.51	0.0250	7.50	ND	114	43-135			
Surrogate: Bromofluorobenzene	*0.616*		*0.500*		*123*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.498*		*0.500*		*99.5*	*70-130*			
Surrogate: Toluene-d8	*0.566*		*0.500*		*113*	*70-130*			
Matrix Spike Dup (2402071-MSD1)				**Source: E401062-06**					Prepared: 01/12/24 Analyzed: 01/16/24
Benzene	2.19	0.0250	2.50	ND	87.5	48-131	11.7	23	
Ethylbenzene	2.48	0.0250	2.50	ND	99.1	45-135	11.5	27	
Toluene	2.38	0.0250	2.50	ND	95.2	48-130	12.1	24	
o-Xylene	2.52	0.0250	2.50	ND	101	43-135	12.0	27	
p,m-Xylene	5.02	0.0500	5.00	ND	100	43-135	12.3	27	
Total Xylenes	7.54	0.0250	7.50	ND	100	43-135	12.2	27	
Surrogate: Bromofluorobenzene	*0.616*		*0.500*		*123*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		*0.500*		*96.7*	*70-130*			
Surrogate: Toluene-d8	*0.558*		*0.500*		*112*	*70-130*			

QC Summary Data

Tap Rock	Project Name:	Prometheus State Com #121H	**Reported:**
7 W. Compress Road	Project Number:	19031-0001	
Artesia NM, 88210	Project Manager:	Chance Dixon	1/18/2024 3:44:34PM

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 (2402071-BLK1)									Prepared: 01/12/24 Analyzed: 01/16/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.584*		*0.500*		*117*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.478*		*0.500*		*95.6*	*70-130*			
Surrogate: Toluene-d8	*0.565*		*0.500*		*113*	*70-130*			
LCS (2402071-BS2)									Prepared: 01/12/24 Analyzed: 01/16/24
Gasoline Range Organics (C6-C10)	58.2	20.0	50.0		116	70-130			
Surrogate: Bromofluorobenzene	*0.616*		*0.500*		*123*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.479*		*0.500*		*95.8*	*70-130*			
Surrogate: Toluene-d8	*0.569*		*0.500*		*114*	*70-130*			
Matrix Spike (2402071-MS2)				**Source: E401062-06**					Prepared: 01/12/24 Analyzed: 01/16/24
Gasoline Range Organics (C6-C10)	58.7	20.0	50.0	ND	117	70-130			
Surrogate: Bromofluorobenzene	*0.635*		*0.500*		*127*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.485*		*0.500*		*97.0*	*70-130*			
Surrogate: Toluene-d8	*0.575*		*0.500*		*115*	*70-130*			
Matrix Spike Dup (2402071-MSD2)				**Source: E401062-06**					Prepared: 01/12/24 Analyzed: 01/16/24
Gasoline Range Organics (C6-C10)	61.0	20.0	50.0	ND	122	70-130	3.72	20	
Surrogate: Bromofluorobenzene	*0.637*		*0.500*		*127*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.481*		*0.500*		*96.1*	*70-130*			
Surrogate: Toluene-d8	*0.584*		*0.500*		*117*	*70-130*			

QC Summary Data

Tap Rock	Project Name:	Prometheus State Com #121H	**Reported:**
7 W. Compress Road	Project Number:	19031-0001	
Artesia NM, 88210	Project Manager:	Chance Dixon	1/18/2024 3:44:34PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2403002-BLK1)									Prepared: 01/15/24 Analyzed: 01/17/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*57.8*		*50.0*		*116*	*50-200*			
LCS (2403002-BS1)									Prepared: 01/15/24 Analyzed: 01/17/24
Diesel Range Organics (C10-C28)	263	25.0	250		105	38-132			
Surrogate: n-Nonane	*58.7*		*50.0*		*117*	*50-200*			
Matrix Spike (2403002-MS1)				**Source: E401062-02**					Prepared: 01/15/24 Analyzed: 01/17/24
Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	*57.1*		*50.0*		*114*	*50-200*			
Matrix Spike Dup (2403002-MSD1)				**Source: E401062-02**					Prepared: 01/15/24 Analyzed: 01/17/24
Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132	0.0965	20	
Surrogate: n-Nonane	*54.7*		*50.0*		*109*	*50-200*			

QC Summary Data

Tap Rock	Project Name:	Prometheus State Com #121H	**Reported:**
7 W. Compress Road	Project Number:	19031-0001	
Artesia NM, 88210	Project Manager:	Chance Dixon	1/18/2024 3:44:34PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2403010-BLK1)									Prepared: 01/15/24 Analyzed: 01/15/24
Chloride	ND	20.0							
LCS (2403010-BS1)									Prepared: 01/15/24 Analyzed: 01/15/24
Chloride	249	20.0	250		99.7	90-110			
Matrix Spike (2403010-MS1)				**Source: E401062-02**					Prepared: 01/15/24 Analyzed: 01/15/24
Chloride	251	20.0	250	ND	100	80-120			
Matrix Spike Dup (2403010-MSD1)				**Source: E401062-02**					Prepared: 01/15/24 Analyzed: 01/15/24
Chloride	249	20.0	250	ND	99.8	80-120	0.448	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 State Com #121H	
7 W. Compress Road	Project Number:	19031-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chance Dixon	01/18/24 15:44

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 1

Client: TAP ROCK Resources	Bill To	Lab Use Only	TAT
Project: Prometheus State Com #121H	Attention: TAP ROCK	Lab WO# E401004	Job Number 19031-0001
Project Manager: Chance Dixon	Address:	1D	2D	3D	Standard X
Address: ON FILE	City, State, Zip	EPA Program: CWA	SDWA	RCRA
City, State, Zip	Phone:	State: NM X	CO	UT	AZ	TX
Phone:	Email:					
Email:						
Report due by:						

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX			Remarks
0900	1-10-24	Soil	1	BH24-17	0.0'	1												
0910			1	BH24-17	2.0'	2												
0920			1	BH24-18	0.0'	3												
0930			1	BH24-18	2.0'	4												
1000			1	BH24-20	0.0'	5												
1010			1	BH24-20	2.0'	6												

Additional Instructions: CC: cdixon@vertex.ca charris@vertex.ca

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
			Michelle Gaugh	1-11-24	1030
Michelle Gaugh	1-11-24	1615	Andrew Muse	1-11-24	1700
Andrew Muse	1-11-24	2400	Kayleigh R Hall	1-12-24	0700

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

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

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

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

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Project Information | Chain of Custody | Page 1 of 1

Client:	TAP ROCK Resources
Project:	Prometheus State Com #121H
Project Manager:	Chance Dixon
Address:	ON FILE
City, State, Zip	
Phone:	
Email:	
Report due by:	

Bill To

Attention:	TAP ROCK
Address:	
City, State, Zip	
Phone:	
Email:	

Lab Use Only

Lab WO#	Job Number
E401004	19031-0001

TAT

1D	2D	3D	Standard
			X

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
0900	1-10-24	Soil	1	BH24-17	0.0'	1			X		X			VOC by 8260 Removed, Chlorides by 300.0 added per client request 1/15/24
0910			1	BH24-17	2.0'	2			X		X			
0920			1	BH24-18	0.0'	3			X		X			
0930			1	BH24-18	2.0'	4			X		X			
1000			1	BH24-20	0.0'	5			X		X			
1010			1	BH24-20	2.0'	6			X		X			

Additional Instructions: CC: cdixon@vertex.ca charris@vertex.ca

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
			Michelle Gaylor	1-11-24	1030
Michelle Gaylor	1-11-24	1615	Andrew Muse	1-11-24	1700
Andrew Muse	1-11-24	2400	Raylph R Hall	1-12-24	0700

Lab Use Only
Received on ice: (Y) N
T1 T2 T3
AVG Temp °C 4

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

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

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

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Envirotech Analytical Laboratory

Printed: 1/18/2024 3:43:22PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Tap Rock	Date Received:	01/12/24 07:00	Work Order ID:	E401064
Phone:	(575) 746-9547	Date Logged In:	01/11/24 16:42	Logged In By:	Alexa Michaels
Email:	cdixon@vertex.ca	Due Date:	01/18/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
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 filteration 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:

Chance Dixon

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Tap Rock

Project Name:	Prometheus State Com #121H
Work Order:	E401071
Job Number:	19031-0001
Received:	1/15/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/19/24

Date Reported: 1/19/24

Chance Dixon
7 W. Compress Road
Artesia, NM 88210

Project Name: Prometheus State Com #121H
Workorder: E401071
Date Received: 1/15/2024 12:28:00PM

Chance Dixon,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/15/2024 12:28:00PM, under the Project Name: Prometheus State Com #121H.

The analytical test results summarized in this report with the Project Name: Prometheus State Com #121H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Golzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Tap Rock	Project Name:	Prometheus State Com #121H	**Reported:**
7 W. Compress Road	Project Number:	19031-0001	
Artesia NM, 88210	Project Manager:	Chance Dixon	01/19/24 13:17

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH24-05 2ft	E401071-01A	Soil	01/11/24	01/15/24	Glass Jar, 2 oz.
BH 24-07 1.5ft	E401071-02A	Soil	01/11/24	01/15/24	Glass Jar, 2 oz.
BH 24-14 2ft	E401071-03A	Soil	01/11/24	01/15/24	Glass Jar, 2 oz.
BH 24-15 2ft	E401071-04A	Soil	01/11/24	01/15/24	Glass Jar, 2 oz.
BH 24-15 3ft	E401071-05A	Soil	01/11/24	01/15/24	Glass Jar, 2 oz.
BH 24-16 1ft.	E401071-06A	Soil	01/11/24	01/15/24	Glass Jar, 2 oz.
BH 24-16 2ft	E401071-07A	Soil	01/11/24	01/15/24	Glass Jar, 2 oz.

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
7 W. Compress Road	Project Number:	19031-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chance Dixon	1/19/2024 1:17:07PM

BH24-05 2ft

E401071-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2403008
Benzene	ND	0.0250	1	01/15/24	01/15/24	
Ethylbenzene	ND	0.0250	1	01/15/24	01/15/24	
Toluene	ND	0.0250	1	01/15/24	01/15/24	
o-Xylene	ND	0.0250	1	01/15/24	01/15/24	
p,m-Xylene	ND	0.0500	1	01/15/24	01/15/24	
Total Xylenes	ND	0.0250	1	01/15/24	01/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.2 %*	*70-130*	*01/15/24*	*01/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2403008
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/24	01/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*01/15/24*	*01/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2403017
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/24	01/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/24	01/17/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*01/15/24*	*01/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2403030
Chloride	ND	20.0	1	01/16/24	01/17/24	

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
7 W. Compress Road	Project Number:	19031-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chance Dixon	1/19/2024 1:17:07PM

BH 24-07 1.5ft

E401071-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2403008
Benzene	ND	0.0250	1	01/15/24	01/15/24	
Ethylbenzene	ND	0.0250	1	01/15/24	01/15/24	
Toluene	ND	0.0250	1	01/15/24	01/15/24	
o-Xylene	ND	0.0250	1	01/15/24	01/15/24	
p,m-Xylene	ND	0.0500	1	01/15/24	01/15/24	
Total Xylenes	ND	0.0250	1	01/15/24	01/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.6 %*	*70-130*	*01/15/24*	*01/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2403008
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/24	01/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*01/15/24*	*01/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2403017
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/24	01/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/24	01/17/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*01/15/24*	*01/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2403030
Chloride	**49.1**	20.0	1	01/16/24	01/17/24	

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
7 W. Compress Road	Project Number:	19031-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chance Dixon	1/19/2024 1:17:07PM

BH 24-14 2ft

E401071-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2403008
Benzene	ND	0.0250	1	01/15/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/15/24	01/16/24	
Toluene	ND	0.0250	1	01/15/24	01/16/24	
o-Xylene	ND	0.0250	1	01/15/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/15/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/15/24	01/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.0 %*	*70-130*	*01/15/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2403008
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/24	01/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*01/15/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2403017
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/24	01/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/24	01/17/24	
Surrogate: n-Nonane		*88.3 %*	*50-200*	*01/15/24*	*01/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2403030
Chloride	**183**	20.0	1	01/16/24	01/17/24	

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
7 W. Compress Road	Project Number:	19031-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chance Dixon	1/19/2024 1:17:07PM

BH 24-15 2ft

E401071-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2403008
Benzene	ND	0.0250	1	01/15/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/15/24	01/16/24	
Toluene	ND	0.0250	1	01/15/24	01/16/24	
o-Xylene	ND	0.0250	1	01/15/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/15/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/15/24	01/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.5 %*	*70-130*	*01/15/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2403008
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/24	01/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.3 %*	*70-130*	*01/15/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2403017
Diesel Range Organics (C10-C28)	**66.3**	25.0	1	01/15/24	01/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/24	01/17/24	
Surrogate: n-Nonane		*91.6 %*	*50-200*	*01/15/24*	*01/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2403030
Chloride	**7310**	100	5	01/16/24	01/17/24	

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
7 W. Compress Road	Project Number:	19031-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chance Dixon	1/19/2024 1:17:07PM

BH 24-15 3ft

E401071-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2403008
Benzene	ND	0.0250	1	01/15/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/15/24	01/16/24	
Toluene	ND	0.0250	1	01/15/24	01/16/24	
o-Xylene	ND	0.0250	1	01/15/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/15/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/15/24	01/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.3 %*	*70-130*	*01/15/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2403008
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/24	01/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*01/15/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2403017
Diesel Range Organics (C10-C28)	**64.7**	25.0	1	01/15/24	01/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/24	01/17/24	
Surrogate: n-Nonane		*92.5 %*	*50-200*	*01/15/24*	*01/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2403030
Chloride	**768**	20.0	1	01/16/24	01/17/24	

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
7 W. Compress Road	Project Number:	19031-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chance Dixon	1/19/2024 1:17:07PM

BH 24-16 1ft.

E401071-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2403008
Benzene	ND	0.0250	1	01/15/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/15/24	01/16/24	
Toluene	ND	0.0250	1	01/15/24	01/16/24	
o-Xylene	ND	0.0250	1	01/15/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/15/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/15/24	01/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.1 %*	*70-130*	*01/15/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2403008
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/24	01/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*01/15/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2403017
Diesel Range Organics (C10-C28)	**25.4**	25.0	1	01/15/24	01/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/24	01/17/24	
Surrogate: n-Nonane		*93.1 %*	*50-200*	*01/15/24*	*01/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2403030
Chloride	**63.7**	20.0	1	01/16/24	01/17/24	

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
7 W. Compress Road	Project Number:	19031-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chance Dixon	1/19/2024 1:17:07PM

BH 24-16 2ft

E401071-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2403008
Benzene	ND	0.0250	1	01/15/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/15/24	01/16/24	
Toluene	ND	0.0250	1	01/15/24	01/16/24	
o-Xylene	ND	0.0250	1	01/15/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/15/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/15/24	01/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.1 %*	*70-130*	*01/15/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2403008
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/24	01/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.5 %*	*70-130*	*01/15/24*	*01/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2403017
Diesel Range Organics (C10-C28)	**33.7**	25.0	1	01/15/24	01/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/24	01/17/24	
Surrogate: n-Nonane		*96.7 %*	*50-200*	*01/15/24*	*01/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2403030
Chloride	**74.5**	20.0	1	01/16/24	01/17/24	

QC Summary Data

Tap Rock	Project Name:	Prometheus State Com #121H	**Reported:**
7 W. Compress Road	Project Number:	19031-0001	
Artesia NM, 88210	Project Manager:	Chance Dixon	1/19/2024 1:17:07PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2403008-BLK1)									Prepared: 01/15/24 Analyzed: 01/15/24
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	*7.51*		*8.00*		*93.9*	*70-130*			
LCS (2403008-BS1)									Prepared: 01/15/24 Analyzed: 01/16/24
Benzene	4.65	0.0250	5.00		93.0	70-130			
Ethylbenzene	4.65	0.0250	5.00		92.9	70-130			
Toluene	4.69	0.0250	5.00		93.7	70-130			
o-Xylene	4.65	0.0250	5.00		93.0	70-130			
p,m-Xylene	9.50	0.0500	10.0		95.0	70-130			
Total Xylenes	14.1	0.0250	15.0		94.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.33*		*8.00*		*91.6*	*70-130*			
Matrix Spike (2403008-MS1)				**Source: E401068-03**					Prepared: 01/15/24 Analyzed: 01/15/24
Benzene	4.89	0.0250	5.00	ND	97.8	54-133			
Ethylbenzene	4.89	0.0250	5.00	ND	97.7	61-133			
Toluene	4.94	0.0250	5.00	ND	98.7	61-130			
o-Xylene	4.90	0.0250	5.00	ND	98.0	63-131			
p,m-Xylene	9.96	0.0500	10.0	ND	99.6	63-131			
Total Xylenes	14.9	0.0250	15.0	ND	99.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.55*		*8.00*		*94.4*	*70-130*			
Matrix Spike Dup (2403008-MSD1)				**Source: E401068-03**					Prepared: 01/15/24 Analyzed: 01/15/24
Benzene	5.02	0.0250	5.00	ND	100	54-133	2.71	20	
Ethylbenzene	5.03	0.0250	5.00	ND	101	61-133	2.85	20	
Toluene	5.06	0.0250	5.00	ND	101	61-130	2.55	20	
o-Xylene	5.03	0.0250	5.00	ND	101	63-131	2.70	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	2.82	20	
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131	2.78	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.53*		*8.00*		*94.1*	*70-130*			

QC Summary Data

Tap Rock	Project Name:	Prometheus State Com #121H	**Reported:**
7 W. Compress Road	Project Number:	19031-0001	
Artesia NM, 88210	Project Manager:	Chance Dixon	1/19/2024 1:17:07PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2403008-BLK1)									Prepared: 01/15/24 Analyzed: 01/15/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.81*		*8.00*		*97.6*	*70-130*			
LCS (2403008-BS2)									Prepared: 01/15/24 Analyzed: 01/15/24
Gasoline Range Organics (C6-C10)	48.7	20.0	50.0		97.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.89*		*8.00*		*98.7*	*70-130*			
Matrix Spike (2403008-MS2)				**Source: E401068-03**					Prepared: 01/15/24 Analyzed: 01/15/24
Gasoline Range Organics (C6-C10)	53.7	20.0	50.0	ND	107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.91*		*8.00*		*98.9*	*70-130*			
Matrix Spike Dup (2403008-MSD2)				**Source: E401068-03**					Prepared: 01/15/24 Analyzed: 01/15/24
Gasoline Range Organics (C6-C10)	53.0	20.0	50.0	ND	106	70-130	1.33	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.87*		*8.00*		*98.4*	*70-130*			

QC Summary Data

Tap Rock	Project Name:	Prometheus State Com #121H	**Reported:**
7 W. Compress Road	Project Number:	19031-0001	
Artesia NM, 88210	Project Manager:	Chance Dixon	1/19/2024 1:17:07PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2403017-BLK1)									Prepared: 01/15/24 Analyzed: 01/16/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*44.8*		*50.0*		*89.5*	*50-200*			
LCS (2403017-BS1)									Prepared: 01/15/24 Analyzed: 01/16/24
Diesel Range Organics (C10-C28)	223	25.0	250		89.1	38-132			
Surrogate: n-Nonane	*43.8*		*50.0*		*87.7*	*50-200*			
Matrix Spike (2403017-MS1)				**Source: E401075-04**					Prepared: 01/15/24 Analyzed: 01/19/24
Diesel Range Organics (C10-C28)	4130	1250	250	4600	NR	38-132			M4
Surrogate: n-Nonane	*35.3*		*50.0*		*70.6*	*50-200*			
Matrix Spike Dup (2403017-MSD1)				**Source: E401075-04**					Prepared: 01/15/24 Analyzed: 01/19/24
Diesel Range Organics (C10-C28)	4340	1250	250	4600	NR	38-132	4.77	20	M4
Surrogate: n-Nonane	*38.8*		*50.0*		*77.6*	*50-200*			

QC Summary Data

Tap Rock	Project Name:	Prometheus State Com #121H	**Reported:**
7 W. Compress Road	Project Number:	19031-0001	
Artesia NM, 88210	Project Manager:	Chance Dixon	1/19/2024 1:17:07PM

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 (2403030-BLK1)									Prepared: 01/16/24 Analyzed: 01/17/24
Chloride	ND	20.0							
LCS (2403030-BS1)									Prepared: 01/16/24 Analyzed: 01/17/24
Chloride	248	20.0	250		99.3	90-110			
Matrix Spike (2403030-MS1)				**Source: E401070-02**					Prepared: 01/16/24 Analyzed: 01/17/24
Chloride	352	100	250	109	97.0	80-120			
Matrix Spike Dup (2403030-MSD1)				**Source: E401070-02**					Prepared: 01/16/24 Analyzed: 01/17/24
Chloride	348	100	250	109	95.7	80-120	0.880	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 State Com #121H	
7 W. Compress Road	Project Number:	19031-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chance Dixon	01/19/24 13:17

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. 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
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.

Client: TAP Rock / Vertex
Project: Prometheus State Com# 121H
Project Manager: Chance Dixon
Address: On file
City, State, Zip Carlsbad NM 88220
Phone:
Email:
Report due by:

Bill To
Attention:
Address:
City, State, Zip
Phone:
Email:

Lab Use Only: Lab WO# E401071 | Job Number 19031-0001

TAT: 1D | 2D | 3D | Standard: 5 DAY

EPA Program: CWA | SDWA | RCRA

State: NM | CO | UT | AZ | TX

Analysis and Method: TPH GRO/DRO/ORO by 8015 (circled) | BTEX by 8021 (circled) | VOC by 8260 (circled) | Metals 6010 | Chloride 300.0 | BGDOC NM | BGDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Remarks
0810AM	01/11/24	Soil	1	BH24-05 2ft	1	↓	↓	↓	
~~0810AM~~ 0830AM	↓	↓	1	BH24-07 1.5 ft	2	↓	↓	↓	
~~0830AM~~ 0840AM	↓	↓	1	BH24-14 2ft	3	↓	↓	↓	
0850AM	↓	↓	1	~~BH24-2ft~~ BH24-15 2ft	4	↓	↓	↓	
0910AM	↓	↓	1	BH24-15 3ft	5	↓	↓	↓	
~~0920AM~~ 0900AM	↓	↓	1	BH24-16 1ft	6	↓	↓	↓	
0920AM	↓	↓	1	BH24-16 2ft	7	↓	↓	↓	

Additional Instructions: CC; CDixon@vertex.ca aharris@vertex.ca

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: AH / WN

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
~~[signature]~~	~~1/11/24~~	~~16:30~~	Michelle Gonzales [signature]	1-12-24	0945
[signature]	1/12/24	0945	Andrew Musso [signature]	1-12-24	1615
Michelle Gonzales [signature]	1-12-24	1600			
Andrew Musso [signature]	1-12-24	2215	[signature]	1-15-24	1228

Lab Use Only
Received on ice: (Y) / N
T1 ____ T2 ____ T3 ____
AVG Temp °C 4

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

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

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

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Project Information | Chain of Custody | Page 1 of 1

Client: Tap Rock / Vertex	Bill To	Lab Use Only	TAT
Project: Prometheus State Com # 121H	Attention:	Lab WO# E401071	Job Number 19031-0001
Project Manager: Chance Dixon	Address:	1D 2D 3D Standard 5 DAY	EPA Program CWA SDWA RCRA
Address: On file	City, State, Zip		
City, State, Zip Carlsbad NM 88220	Phone:		State NM CO UT AZ TX
Phone:	Email:		
Email:			
Report due by:			

Analysis and Method: TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | BGDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks
0810AM	01/11/24	Soil	1	BH24-05 2ft	1	VOC by 8260 Removed 3, Chlorides by 300.0 added per client 1.15.23
0830AM ~~0810AM~~			1	BH24-07 1.5ft	2	
0840AM ~~0830AM~~			1	BH24-14 2ft	3	
0850AM			1	~~BH24-2ft~~ BH24-15 2ft	4	
0910AM			1	BH24-15 3ft	5	
0900AM ~~0850AM~~			1	BH24-16 1ft	6	
0920AM			1	BH24-16 2ft	7	

Additional Instructions: CC; CDixon@vertex.ca aharris@vertex.ca

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: AH / NM

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
~~Chance Dixon~~	~~1/11/24~~	~~16:30~~	Michelle Garza	1-11-24	0945
Chance Dixon	1/12/24	0945	Andrew Moss	1-12-24	1615
Michelle Garza / Andrew Moss	1-12-24	1600 / 2215		1-15-24	1228

Lab Use Only: Received on ice: (Y) / N; T1 ____ T2 ____ T3 ____; AVG Temp °C 4

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

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

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

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Envirotech Analytical Laboratory

Printed: 1/19/2024 1:15:24PM

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:	01/15/24 12:28	Work Order ID:	E401071
Phone:	(575) 746-9547	Date Logged In:	01/15/24 12:28	Logged In By:	Angelina Pineda
Email:	cdixon@vertex.ca	Due Date:	01/19/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
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 filteration 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:

Chance Dixon

5796 U.S. Hwy 64
Farmington, NM 87401

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

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Practical Solutions for a Better Tomorrow

Analytical Report

Tap Rock

Project Name:	Prometheus State Com #121H
Work Order:	E402160
Job Number:	19031-0001
Received:	2/19/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/23/24

Date Reported: 2/23/24

Chance Dixon
523 Park Point Drive suite 200
Golden, CO 80401

Project Name: Prometheus State Com #121H
Workorder: E402160
Date Received: 2/19/2024 7:30:00AM

Chance Dixon,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/19/2024 7:30:00AM, under the Project Name: Prometheus State Com #121H.

The analytical test results summarized in this report with the Project Name: Prometheus State Com #121H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Golzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Tap Rock	Project Name:	Prometheus State Com #121H	**Reported:**
523 Park Point Drive suite 200	Project Number:	19031-0001	
Golden CO, 80401	Project Manager:	Chance Dixon	02/23/24 14:31

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
WES 24 -01 2.5 FT	E402160-01A	Soil	02/15/24	02/19/24	Glass Jar, 4 oz.
WES 24 -02 2.5 FT	E402160-02A	Soil	02/15/24	02/19/24	Glass Jar, 4 oz.
WES 24 -03 2.5FT	E402160-03A	Soil	02/15/24	02/19/24	Glass Jar, 4 oz.
WES 24 -04 2.5 FT	E402160-04A	Soil	02/15/24	02/19/24	Glass Jar, 4 oz.
WES 24 -05 2.5FT	E402160-05A	Soil	02/15/24	02/19/24	Glass Jar, 4 oz.
WES 24 -06 .5 FT	E402160-06A	Soil	02/15/24	02/19/24	Glass Jar, 4 oz.
BES24 -01 2.5 FT	E402160-07A	Soil	02/15/24	02/19/24	Glass Jar, 4 oz.
BES24 -03 2.5 FT	E402160-08A	Soil	02/15/24	02/19/24	Glass Jar, 4 oz.
BES24 -04 2.5 FT	E402160-09A	Soil	02/15/24	02/19/24	Glass Jar, 4 oz.
BES24 -05 2.5 FT	E402160-10A	Soil	02/15/24	02/19/24	Glass Jar, 4 oz.
BES24 -06 .5 FT	E402160-11A	Soil	02/15/24	02/19/24	Glass Jar, 4 oz.

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
523 Park Point Drive suite 200	Project Number:	19031-0001	**Reported:**
Golden CO, 80401	Project Manager:	Chance Dixon	2/23/2024 2:31:02PM

WES 24 -01 2.5 FT

E402160-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Benzene	ND	0.0250	1	02/19/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/22/24	
Toluene	ND	0.0250	1	02/19/24	02/22/24	
o-Xylene	ND	0.0250	1	02/19/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/22/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.5 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.9 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408019
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/21/24	
Surrogate: n-Nonane		*84.8 %*	*50-200*	*02/19/24*	*02/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408022
Chloride	ND	20.0	1	02/19/24	02/21/24	

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
523 Park Point Drive suite 200	Project Number:	19031-0001	**Reported:**
Golden CO, 80401	Project Manager:	Chance Dixon	2/23/2024 2:31:02PM

WES 24 -02 2.5 FT

E402160-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Benzene	ND	0.0250	1	02/19/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/22/24	
Toluene	ND	0.0250	1	02/19/24	02/22/24	
o-Xylene	ND	0.0250	1	02/19/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/22/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.5 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408019
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/22/24	
Surrogate: n-Nonane		*87.3 %*	*50-200*	*02/19/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408022
Chloride	ND	20.0	1	02/19/24	02/21/24	

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
523 Park Point Drive suite 200	Project Number:	19031-0001	**Reported:**
Golden CO, 80401	Project Manager:	Chance Dixon	2/23/2024 2:31:02PM

WES 24 -03 2.5FT

E402160-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Benzene	ND	0.0250	1	02/19/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/22/24	
Toluene	ND	0.0250	1	02/19/24	02/22/24	
o-Xylene	ND	0.0250	1	02/19/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/22/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.8 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408019
Diesel Range Organics (C10-C28)	**127**	25.0	1	02/19/24	02/22/24	
Oil Range Organics (C28-C36)	**64.4**	50.0	1	02/19/24	02/22/24	
Surrogate: n-Nonane		*85.9 %*	*50-200*	*02/19/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408022
Chloride	ND	20.0	1	02/19/24	02/21/24	

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
523 Park Point Drive suite 200	Project Number:	19031-0001	**Reported:**
Golden CO, 80401	Project Manager:	Chance Dixon	2/23/2024 2:31:02PM

WES 24 -04 2.5 FT

E402160-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Benzene	ND	0.0250	1	02/19/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/22/24	
Toluene	ND	0.0250	1	02/19/24	02/22/24	
o-Xylene	ND	0.0250	1	02/19/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/22/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.0 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.6 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408019
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/22/24	
Surrogate: n-Nonane		*88.4 %*	*50-200*	*02/19/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408022
Chloride	ND	20.0	1	02/19/24	02/21/24	

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
523 Park Point Drive suite 200	Project Number:	19031-0001	**Reported:**
Golden CO, 80401	Project Manager:	Chance Dixon	2/23/2024 2:31:02PM

WES 24 -05 2.5FT

E402160-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Benzene	ND	0.0250	1	02/19/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/22/24	
Toluene	ND	0.0250	1	02/19/24	02/22/24	
o-Xylene	ND	0.0250	1	02/19/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/22/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.2 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.7 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408019
Diesel Range Organics (C10-C28)	**62.3**	25.0	1	02/19/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/22/24	
Surrogate: n-Nonane		*90.9 %*	*50-200*	*02/19/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408022
Chloride	**126**	20.0	1	02/19/24	02/21/24	

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
523 Park Point Drive suite 200	Project Number:	19031-0001	**Reported:**
Golden CO, 80401	Project Manager:	Chance Dixon	2/23/2024 2:31:02PM

WES 24 -06 .5 FT

E402160-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Benzene	ND	0.0250	1	02/19/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/22/24	
Toluene	ND	0.0250	1	02/19/24	02/22/24	
o-Xylene	ND	0.0250	1	02/19/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/22/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.2 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.8 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408019
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/22/24	
Surrogate: n-Nonane		*84.5 %*	*50-200*	*02/19/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408022
Chloride	**492**	20.0	1	02/19/24	02/21/24	

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
523 Park Point Drive suite 200	Project Number:	19031-0001	**Reported:**
Golden CO, 80401	Project Manager:	Chance Dixon	2/23/2024 2:31:02PM

BES24 -01 2.5 FT

E402160-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Benzene	ND	0.0250	1	02/19/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/22/24	
Toluene	ND	0.0250	1	02/19/24	02/22/24	
o-Xylene	ND	0.0250	1	02/19/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/22/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.5 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.5 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408019
Diesel Range Organics (C10-C28)	**32.1**	25.0	1	02/19/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/22/24	
Surrogate: n-Nonane		*93.4 %*	*50-200*	*02/19/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408022
Chloride	**21.9**	20.0	1	02/19/24	02/21/24	

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
523 Park Point Drive suite 200	Project Number:	19031-0001	**Reported:**
Golden CO, 80401	Project Manager:	Chance Dixon	2/23/2024 2:31:02PM

BES24 -03 2.5 FT

E402160-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Benzene	ND	0.0250	1	02/19/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/22/24	
Toluene	ND	0.0250	1	02/19/24	02/22/24	
o-Xylene	ND	0.0250	1	02/19/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/22/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.7 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.7 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408019
Diesel Range Organics (C10-C28)	**137**	25.0	1	02/19/24	02/22/24	
Oil Range Organics (C28-C36)	**70.8**	50.0	1	02/19/24	02/22/24	
Surrogate: n-Nonane		*87.6 %*	*50-200*	*02/19/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408022
Chloride	**338**	20.0	1	02/19/24	02/21/24	

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
523 Park Point Drive suite 200	Project Number:	19031-0001	**Reported:**
Golden CO, 80401	Project Manager:	Chance Dixon	2/23/2024 2:31:02PM

BES24 -04 2.5 FT

E402160-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Benzene	ND	0.0250	1	02/19/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/22/24	
Toluene	ND	0.0250	1	02/19/24	02/22/24	
o-Xylene	ND	0.0250	1	02/19/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/22/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.0 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408019
Diesel Range Organics (C10-C28)	**139**	25.0	1	02/19/24	02/22/24	
Oil Range Organics (C28-C36)	**75.0**	50.0	1	02/19/24	02/22/24	
Surrogate: n-Nonane		*87.9 %*	*50-200*	*02/19/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408022
Chloride	**361**	20.0	1	02/19/24	02/21/24	

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
523 Park Point Drive suite 200	Project Number:	19031-0001	**Reported:**
Golden CO, 80401	Project Manager:	Chance Dixon	2/23/2024 2:31:02PM

BES24 -05 2.5 FT

E402160-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Benzene	ND	0.0250	1	02/19/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/22/24	
Toluene	ND	0.0250	1	02/19/24	02/22/24	
o-Xylene	ND	0.0250	1	02/19/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/22/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.0 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408019
Diesel Range Organics (C10-C28)	**82.3**	25.0	1	02/19/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/22/24	
Surrogate: n-Nonane		*93.3 %*	*50-200*	*02/19/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408022
Chloride	**1640**	20.0	1	02/19/24	02/21/24	

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
523 Park Point Drive suite 200	Project Number:	19031-0001	**Reported:**
Golden CO, 80401	Project Manager:	Chance Dixon	2/23/2024 2:31:02PM

BES24 -06 .5 FT

E402160-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Benzene	ND	0.0250	1	02/19/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/22/24	
Toluene	ND	0.0250	1	02/19/24	02/22/24	
o-Xylene	ND	0.0250	1	02/19/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/22/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.6 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408010
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.7 %*	*70-130*	*02/19/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408019
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/22/24	
Surrogate: n-Nonane		*78.5 %*	*50-200*	*02/19/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408022
Chloride	**1740**	20.0	1	02/19/24	02/21/24	

QC Summary Data

Tap Rock	Project Name:	Prometheus State Com #121H	**Reported:**
523 Park Point Drive suite 200	Project Number:	19031-0001	
Golden CO, 80401	Project Manager:	Chance Dixon	2/23/2024 2:31:02PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2408010-BLK1)									Prepared: 02/19/24 Analyzed: 02/21/24
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	*7.44*		*8.00*		*93.0*	*70-130*			
LCS (2408010-BS1)									Prepared: 02/19/24 Analyzed: 02/21/24
Benzene	4.86	0.0250	5.00		97.3	70-130			
Ethylbenzene	4.94	0.0250	5.00		98.7	70-130			
Toluene	4.91	0.0250	5.00		98.3	70-130			
o-Xylene	4.90	0.0250	5.00		98.0	70-130			
p,m-Xylene	9.96	0.0500	10.0		99.6	70-130			
Total Xylenes	14.9	0.0250	15.0		99.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.50*		*8.00*		*93.8*	*70-130*			
Matrix Spike (2408010-MS1)				**Source: E402158-01**					Prepared: 02/19/24 Analyzed: 02/22/24
Benzene	5.21	0.0250	5.00	ND	104	54-133			
Ethylbenzene	5.26	0.0250	5.00	ND	105	61-133			
Toluene	5.25	0.0250	5.00	ND	105	61-130			
o-Xylene	5.22	0.0250	5.00	ND	104	63-131			
p,m-Xylene	10.6	0.0500	10.0	ND	106	63-131			
Total Xylenes	15.8	0.0250	15.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.43*		*8.00*		*92.8*	*70-130*			
Matrix Spike Dup (2408010-MSD1)				**Source: E402158-01**					Prepared: 02/19/24 Analyzed: 02/22/24
Benzene	4.92	0.0250	5.00	ND	98.4	54-133	5.66	20	
Ethylbenzene	4.99	0.0250	5.00	ND	99.9	61-133	5.19	20	
Toluene	4.97	0.0250	5.00	ND	99.3	61-130	5.56	20	
o-Xylene	4.93	0.0250	5.00	ND	98.6	63-131	5.76	20	
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131	5.23	20	
Total Xylenes	15.0	0.0250	15.0	ND	99.7	63-131	5.40	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.35*		*8.00*		*91.9*	*70-130*			

QC Summary Data

Tap Rock	Project Name:	Prometheus State Com #121H	**Reported:**
523 Park Point Drive suite 200	Project Number:	19031-0001	
Golden CO, 80401	Project Manager:	Chance Dixon	2/23/2024 2:31:02PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2408010-BLK1)									Prepared: 02/19/24 Analyzed: 02/21/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.67*		*8.00*		*95.9*	*70-130*			
LCS (2408010-BS2)									Prepared: 02/19/24 Analyzed: 02/21/24
Gasoline Range Organics (C6-C10)	57.7	20.0	50.0		115	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.80*		*8.00*		*97.5*	*70-130*			
Matrix Spike (2408010-MS2)				**Source: E402158-01**					Prepared: 02/19/24 Analyzed: 02/22/24
Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	ND	99.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.74*		*8.00*		*96.8*	*70-130*			
Matrix Spike Dup (2408010-MSD2)				**Source: E402158-01**					Prepared: 02/19/24 Analyzed: 02/22/24
Gasoline Range Organics (C6-C10)	53.8	20.0	50.0	ND	108	70-130	7.65	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.86*		*8.00*		*98.3*	*70-130*			

QC Summary Data

Tap Rock	Project Name:	Prometheus State Com #121H	**Reported:**
523 Park Point Drive suite 200	Project Number:	19031-0001	
Golden CO, 80401	Project Manager:	Chance Dixon	2/23/2024 2:31:02PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2408019-BLK1)									Prepared: 02/19/24 Analyzed: 02/21/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*42.5*		*50.0*		*85.0*	*50-200*			
LCS (2408019-BS1)									Prepared: 02/19/24 Analyzed: 02/21/24
Diesel Range Organics (C10-C28)	226	25.0	250		90.3	38-132			
Surrogate: n-Nonane	*41.4*		*50.0*		*82.8*	*50-200*			
Matrix Spike (2408019-MS1)				**Source: E402159-06**					Prepared: 02/19/24 Analyzed: 02/21/24
Diesel Range Organics (C10-C28)	240	25.0	250	ND	95.9	38-132			
Surrogate: n-Nonane	*42.9*		*50.0*		*85.8*	*50-200*			
Matrix Spike Dup (2408019-MSD1)				**Source: E402159-06**					Prepared: 02/19/24 Analyzed: 02/22/24
Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	38-132	13.1	20	
Surrogate: n-Nonane	*49.6*		*50.0*		*99.3*	*50-200*			

QC Summary Data

Tap Rock	Project Name:	Prometheus State Com #121H	**Reported:**
523 Park Point Drive suite 200	Project Number:	19031-0001	
Golden CO, 80401	Project Manager:	Chance Dixon	2/23/2024 2:31:02PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2408022-BLK1)									Prepared: 02/19/24 Analyzed: 02/21/24
Chloride	ND	20.0							
LCS (2408022-BS1)									Prepared: 02/19/24 Analyzed: 02/21/24
Chloride	254	20.0	250		101	90-110			
Matrix Spike (2408022-MS1)				**Source: E402159-02**					Prepared: 02/19/24 Analyzed: 02/21/24
Chloride	254	20.0	250	ND	102	80-120			
Matrix Spike Dup (2408022-MSD1)				**Source: E402159-02**					Prepared: 02/19/24 Analyzed: 02/21/24
Chloride	255	20.0	250	ND	102	80-120	0.506	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 State Com #121H	
523 Park Point Drive suite 200	Project Number:	19031-0001	**Reported:**
Golden CO, 80401	Project Manager:	Chance Dixon	02/23/24 14:31

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.

Chain of Custody

Client Information	
Client:	TapRock resources
Project Name:	~~[illegible]~~ Prometheus
Project Manager:	State com #121H
Address:	
City, State, Zip:	
Phone:	
Email:	

Invoice Information	
Company:	Vertex
Address:	Onfile
City, State, Zip:	↓
Phone:	
Email:	CDixod@vertex.ca
Miscellaneous:	C

Lab Use Only		TAT				State			
Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX
E402160	19031-0001				✓	✓			

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	~~VOC by 8260~~	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
14:00	02/15/24	Soil		WES 24-01 2.5 FT		1	✓	✓	✓	✓	✓							Per. C. Dixon
14:15	↓	↓		WES 24-02 2.5 FT		2												
14:30				WES 24-03 2.5 FT		3				AP 2/19/24								
14:45				~~[illegible]~~ WES 24-04 2.5 FT		4												
15:00 ~~[illegible]~~				WES 24-05 2.5 FT		5												
16:30 ~~15:45~~ ~~15:15~~				WES 24-06 .5 FT		6												
15:15 ~~15:30~~				BES 24-01 2.5 FT		7												
15:45 ~~15:4~~				BES 24-03 2.5 FT		8												
16:00				BES 24-04 2.5 FT		9												
16:15				BES 24-05 2.5 FT		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: Wyatt Wadleigh

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	2/16	12:34	Michelle Camp	2-16-24	1234 ~~1045~~ MRG
Michelle Camp	2-16-24	1630	[signature]	2/19/24	0730

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 6C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

T1 ____ T2 ____ T3 ____

AVG Temp °C 4

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

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

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Tappoll Resources	Company: Vertex	Lab WO# E402160	1D 2D 3D Std: Std ✓	NM ✓ CO UT TX
Project Name: ~~Pantite~~ Prometheus	Address: on file	Job Number		
Project Manager: State com #121H	City, State, Zip:			
Address:	Phone:			
City, State, Zip:	Email: CDixon@vertex.ca			
Phone:	Miscellaneous: CDixon@vertex.ca			
Email:				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	~~VOC by 8260~~	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
16.45	02/15/24	Soil		BES 24-06 .5 FT		11	✓	✓	✓	✓ AP 2/19/24	✓							Per. C. Dixon

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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: Wyatt Waldeish

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2/16	12:34	Middle Cruz	2-16-24	1234 HRS 1045
Middle Cruz	2.16.24	1630	AQ	2/19/24	0730

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 6C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: TAP Rock Resources	Company: Vertex	Lab WO# E402160	1D 2D 3D Std ✓	NM ✓ CO UT TX
Project Name: ~~Rockfish~~ Prometheus	Address: on file	Job Number 19031-0001		
Project Manager: State Com #121H	City, State, Zip:			
Address:	Phone:			
City, State, Zip:	Email: cdixon@vertex.ca			
Phone:	Miscellaneous: C			
Email:				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
14:00	02/15/24	Soil		WES 24-01 2.5 FT		1	✓	✓	✓	✓	✓							
14:15				WES 24-02 2.5 FT		2												
14:30				WES 24-03 2.5 FT		3												
14:45				WES 24-04 2.5 FT		4												
15:00				WES 24-05 2.5 FT		5												
16:30 ~~15:15~~				WES 24-06 .5 FT		6												
~~15:25~~				BES 24-01 2.5FT		7												
~~15:45~~				BES 24-03 2.5 FT		8												
16:00				BES 24-04 2.5 FT		9												
16:15				BES 24-05 2.5 FT		10												

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

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: Wyatt Waldeish

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2/16	12:34	Michelle Gaylor	2-16-24	1234 / 1645 MG
Michelle Gaylor	2-16-24	1630		2/19/24	0730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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 6C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT				State				
Client: Tap Rock Resources	Company: Vertex	Lab WO# E402160	Job Number	1D	2D	3D	Std	NM	CO	UT	TX	
Project Name: ~~Prentice~~ Prometheus	Address: on file						✓	✓				
Project Manager: State Com #121H	City, State, Zip:											
Address:	Phone:											
City, State, Zip:	Email: CDixon@Vertex.ca											
Phone:	Miscellaneous: CDixon@Vertex.ca											
Email:												

Sample Information							Analysis and Method										EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				SDWA	CWA	RCRA	
16:45	02/15/24	Soil		BES 24-06 .5 FT		11	✓	✓	✓	✓	✓							Compliance	Y	or	N
																		PWSID #			
																		Remarks			

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: Wyatt Wadleigh

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2/16	12:34		2-16-24	1234 MRL ~~1045~~
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2-16-24	1630		2/19/24	0730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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 6C on subsequent days.

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

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

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Envirotech Analytical Laboratory

Printed: 2/19/2024 3:44:50PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Tap Rock	Date Received:	02/19/24 07:30	Work Order ID:	E402160
Phone:	(575) 746-9547	Date Logged In:	02/19/24 08:39	Logged In By:	Angelina Pineda
Email:	cdixon@vertex.ca	Due Date:	02/23/24 17:00 (4 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	No	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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

Comments/Resolution

Project name/manager was not documented on COC. C.Dixon added Project name (Prometheus State com #121H). Physical sample labels have (Prometheus A CTB & Prometheus CTB) as the project. See green COC for corrections.

Client Instruction

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

Date

envirotech Inc.

Report to:

Chance Dixon

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Tap Rock

Project Name:	Prometheus State Com #121H
Work Order:	E402171
Job Number:	24015-0001
Received:	2/20/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/26/24

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: 2/26/24

Chance Dixon
523 Park Point Drive suite 200
Golden, CO 80401

Project Name: Prometheus State Com #121H
Workorder: E402171
Date Received: 2/20/2024 5:30:00AM

Chance Dixon,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/20/2024 5:30:00AM, under the Project Name: Prometheus State Com #121H.

The analytical test results summarized in this report with the Project Name: Prometheus State Com #121H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Golzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Tap Rock	Project Name:	Prometheus State Com #121H	**Reported:**
523 Park Point Drive suite 200	Project Number:	24015-0001	
Golden CO, 80401	Project Manager:	Chance Dixon	02/26/24 13:14

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BS24-02 4Ft	E402171-01A	Soil	02/16/24	02/20/24	Glass Jar, 2 oz.
BS24 -06 1.5Ft	E402171-02A	Soil	02/19/24	02/20/24	Glass Jar, 2 oz.
WS24 -07 .5Ft	E402171-03A	Soil	02/16/24	02/20/24	Glass Jar, 2 oz.
BS24 -08 1.5Ft	E402171-04A	Soil	02/16/24	02/20/24	Glass Jar, 2 oz.
WS24 -08 1.5Ft	E402171-05A	Soil	02/16/24	02/20/24	Glass Jar, 2 oz.
WS24 -09 1.5	E402171-06A	Soil	02/16/24	02/20/24	Glass Jar, 2 oz.
BS24 -10 .5Ft	E402171-07A	Soil	02/16/24	02/20/24	Glass Jar, 2 oz.
WS24 -10 .5Ft	E402171-08A	Soil	02/16/24	02/20/24	Glass Jar, 2 oz.
BS24 -12 3.5	E402171-09A	Soil	02/16/24	02/20/24	Glass Jar, 2 oz.
BS24 -13 3.5	E402171-10A	Soil	02/16/24	02/20/24	Glass Jar, 2 oz.
WS24 -14 3.5Ft	E402171-11A	Soil	02/16/24	02/20/24	Glass Jar, 2 oz.
WS24 -15 3.5	E402171-12A	Soil	02/16/24	02/20/24	Glass Jar, 2 oz.

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
523 Park Point Drive suite 200	Project Number:	24015-0001	**Reported:**
Golden CO, 80401	Project Manager:	Chance Dixon	2/26/2024 1:14:14PM

BS24-02 4Ft

E402171-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408036
Benzene	ND	0.0250	1	02/20/24	02/25/24	
Ethylbenzene	ND	0.0250	1	02/20/24	02/25/24	
Toluene	ND	0.0250	1	02/20/24	02/25/24	
o-Xylene	ND	0.0250	1	02/20/24	02/25/24	
p,m-Xylene	ND	0.0500	1	02/20/24	02/25/24	
Total Xylenes	ND	0.0250	1	02/20/24	02/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.3 %*	*70-130*	*02/20/24*	*02/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/20/24	02/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*02/20/24*	*02/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2408062
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/24	02/22/24	
Surrogate: n-Nonane		*90.4 %*	*50-200*	*02/21/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408065
Chloride	**30.1**	20.0	1	02/21/24	02/22/24	

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
523 Park Point Drive suite 200	Project Number:	24015-0001	**Reported:**
Golden CO, 80401	Project Manager:	Chance Dixon	2/26/2024 1:14:14PM

BS24 -06 1.5Ft

E402171-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408036
Benzene	ND	0.0250	1	02/20/24	02/25/24	
Ethylbenzene	ND	0.0250	1	02/20/24	02/25/24	
Toluene	ND	0.0250	1	02/20/24	02/25/24	
o-Xylene	ND	0.0250	1	02/20/24	02/25/24	
p,m-Xylene	ND	0.0500	1	02/20/24	02/25/24	
Total Xylenes	ND	0.0250	1	02/20/24	02/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.8 %*	*70-130*	*02/20/24*	*02/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/20/24	02/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.8 %*	*70-130*	*02/20/24*	*02/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2408062
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/24	02/22/24	
Surrogate: n-Nonane		*94.3 %*	*50-200*	*02/21/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408065
Chloride	**193**	20.0	1	02/21/24	02/22/24	

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
523 Park Point Drive suite 200	Project Number:	24015-0001	**Reported:**
Golden CO, 80401	Project Manager:	Chance Dixon	2/26/2024 1:14:14PM

WS24 -07 .5Ft

E402171-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408036
Benzene	ND	0.0250	1	02/20/24	02/25/24	
Ethylbenzene	ND	0.0250	1	02/20/24	02/25/24	
Toluene	ND	0.0250	1	02/20/24	02/25/24	
o-Xylene	ND	0.0250	1	02/20/24	02/25/24	
p,m-Xylene	ND	0.0500	1	02/20/24	02/25/24	
Total Xylenes	ND	0.0250	1	02/20/24	02/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.5 %*	*70-130*	*02/20/24*	*02/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/20/24	02/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.1 %*	*70-130*	*02/20/24*	*02/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2408062
Diesel Range Organics (C10-C28)	**33.2**	25.0	1	02/21/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/24	02/22/24	
Surrogate: n-Nonane		*93.8 %*	*50-200*	*02/21/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408065
Chloride	**87.8**	20.0	1	02/21/24	02/22/24	

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
523 Park Point Drive suite 200	Project Number:	24015-0001	**Reported:**
Golden CO, 80401	Project Manager:	Chance Dixon	2/26/2024 1:14:14PM

BS24 -08 1.5Ft

E402171-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408036
Benzene	ND	0.0250	1	02/20/24	02/25/24	
Ethylbenzene	ND	0.0250	1	02/20/24	02/25/24	
Toluene	ND	0.0250	1	02/20/24	02/25/24	
o-Xylene	ND	0.0250	1	02/20/24	02/25/24	
p,m-Xylene	ND	0.0500	1	02/20/24	02/25/24	
Total Xylenes	ND	0.0250	1	02/20/24	02/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.6 %*	*70-130*	*02/20/24*	*02/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/20/24	02/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.8 %*	*70-130*	*02/20/24*	*02/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2408062
Diesel Range Organics (C10-C28)	**26.1**	25.0	1	02/21/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/24	02/22/24	
Surrogate: n-Nonane		*94.4 %*	*50-200*	*02/21/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408065
Chloride	**720**	20.0	1	02/21/24	02/22/24	

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
523 Park Point Drive suite 200	Project Number:	24015-0001	**Reported:**
Golden CO, 80401	Project Manager:	Chance Dixon	2/26/2024 1:14:14PM

WS24 -08 1.5Ft

E402171-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408036
Benzene	ND	0.0250	1	02/20/24	02/25/24	
Ethylbenzene	ND	0.0250	1	02/20/24	02/25/24	
Toluene	ND	0.0250	1	02/20/24	02/25/24	
o-Xylene	ND	0.0250	1	02/20/24	02/25/24	
p,m-Xylene	ND	0.0500	1	02/20/24	02/25/24	
Total Xylenes	ND	0.0250	1	02/20/24	02/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.7 %*	*70-130*	*02/20/24*	*02/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/20/24	02/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.2 %*	*70-130*	*02/20/24*	*02/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2408062
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/24	02/22/24	
Surrogate: n-Nonane		*91.9 %*	*50-200*	*02/21/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408065
Chloride	**80.2**	20.0	1	02/21/24	02/22/24	

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
523 Park Point Drive suite 200	Project Number:	24015-0001	**Reported:**
Golden CO, 80401	Project Manager:	Chance Dixon	2/26/2024 1:14:14PM

WS24 -09 1.5

E402171-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408036
Benzene	ND	0.0250	1	02/20/24	02/25/24	
Ethylbenzene	ND	0.0250	1	02/20/24	02/25/24	
Toluene	ND	0.0250	1	02/20/24	02/25/24	
o-Xylene	ND	0.0250	1	02/20/24	02/25/24	
p,m-Xylene	ND	0.0500	1	02/20/24	02/25/24	
Total Xylenes	ND	0.0250	1	02/20/24	02/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.1 %*	*70-130*	*02/20/24*	*02/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/20/24	02/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.1 %*	*70-130*	*02/20/24*	*02/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2408062
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/24	02/22/24	
Surrogate: n-Nonane		*90.3 %*	*50-200*	*02/21/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408065
Chloride	ND	20.0	1	02/21/24	02/22/24	

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
523 Park Point Drive suite 200	Project Number:	24015-0001	**Reported:**
Golden CO, 80401	Project Manager:	Chance Dixon	2/26/2024 1:14:14PM

BS24 -10 .5Ft

E402171-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408036
Benzene	ND	0.0250	1	02/20/24	02/25/24	
Ethylbenzene	ND	0.0250	1	02/20/24	02/25/24	
Toluene	ND	0.0250	1	02/20/24	02/25/24	
o-Xylene	ND	0.0250	1	02/20/24	02/25/24	
p,m-Xylene	ND	0.0500	1	02/20/24	02/25/24	
Total Xylenes	ND	0.0250	1	02/20/24	02/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.3 %*	*70-130*	*02/20/24*	*02/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/20/24	02/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*02/20/24*	*02/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2408062
Diesel Range Organics (C10-C28)	**29.8**	25.0	1	02/21/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/24	02/22/24	
Surrogate: n-Nonane		*87.1 %*	*50-200*	*02/21/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408065
Chloride	**287**	20.0	1	02/21/24	02/22/24	

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
523 Park Point Drive suite 200	Project Number:	24015-0001	**Reported:**
Golden CO, 80401	Project Manager:	Chance Dixon	2/26/2024 1:14:14PM

WS24 -10 .5Ft

E402171-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408036
Benzene	ND	0.0250	1	02/20/24	02/25/24	
Ethylbenzene	ND	0.0250	1	02/20/24	02/25/24	
Toluene	ND	0.0250	1	02/20/24	02/25/24	
o-Xylene	ND	0.0250	1	02/20/24	02/25/24	
p,m-Xylene	ND	0.0500	1	02/20/24	02/25/24	
Total Xylenes	ND	0.0250	1	02/20/24	02/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.1 %*	*70-130*	*02/20/24*	*02/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/20/24	02/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.5 %*	*70-130*	*02/20/24*	*02/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2408062
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/24	02/22/24	
Surrogate: n-Nonane		*90.6 %*	*50-200*	*02/21/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408065
Chloride	ND	20.0	1	02/21/24	02/22/24	

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
523 Park Point Drive suite 200	Project Number:	24015-0001	**Reported:**
Golden CO, 80401	Project Manager:	Chance Dixon	2/26/2024 1:14:14PM

BS24 -12 3.5

E402171-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408036
Benzene	ND	0.0250	1	02/20/24	02/25/24	
Ethylbenzene	ND	0.0250	1	02/20/24	02/25/24	
Toluene	ND	0.0250	1	02/20/24	02/25/24	
o-Xylene	ND	0.0250	1	02/20/24	02/25/24	
p,m-Xylene	ND	0.0500	1	02/20/24	02/25/24	
Total Xylenes	ND	0.0250	1	02/20/24	02/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.1 %*	*70-130*	*02/20/24*	*02/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/20/24	02/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.5 %*	*70-130*	*02/20/24*	*02/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2408062
Diesel Range Organics (C10-C28)	**45.9**	25.0	1	02/21/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/24	02/22/24	
Surrogate: n-Nonane		*91.6 %*	*50-200*	*02/21/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408065
Chloride	**535**	20.0	1	02/21/24	02/22/24	

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
523 Park Point Drive suite 200	Project Number:	24015-0001	**Reported:**
Golden CO, 80401	Project Manager:	Chance Dixon	2/26/2024 1:14:14PM

BS24 -13 3.5

E402171-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408036
Benzene	ND	0.0250	1	02/20/24	02/25/24	
Ethylbenzene	ND	0.0250	1	02/20/24	02/25/24	
Toluene	ND	0.0250	1	02/20/24	02/25/24	
o-Xylene	ND	0.0250	1	02/20/24	02/25/24	
p,m-Xylene	ND	0.0500	1	02/20/24	02/25/24	
Total Xylenes	ND	0.0250	1	02/20/24	02/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.6 %*	*70-130*	*02/20/24*	*02/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/20/24	02/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*02/20/24*	*02/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2408062
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/24	02/22/24	
Surrogate: n-Nonane		*81.8 %*	*50-200*	*02/21/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408065
Chloride	**459**	20.0	1	02/21/24	02/22/24	

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
523 Park Point Drive suite 200	Project Number:	24015-0001	**Reported:**
Golden CO, 80401	Project Manager:	Chance Dixon	2/26/2024 1:14:14PM

WS24 -14 3.5Ft

E402171-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408036
Benzene	ND	0.0250	1	02/20/24	02/25/24	
Ethylbenzene	ND	0.0250	1	02/20/24	02/25/24	
Toluene	ND	0.0250	1	02/20/24	02/25/24	
o-Xylene	ND	0.0250	1	02/20/24	02/25/24	
p,m-Xylene	ND	0.0500	1	02/20/24	02/25/24	
Total Xylenes	ND	0.0250	1	02/20/24	02/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.5 %*	*70-130*	*02/20/24*	*02/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/20/24	02/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.8 %*	*70-130*	*02/20/24*	*02/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2408062
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/24	02/22/24	
Surrogate: n-Nonane		*91.9 %*	*50-200*	*02/21/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408065
Chloride	**117**	20.0	1	02/21/24	02/22/24	

Sample Data

Tap Rock	Project Name:	Prometheus State Com #121H	
523 Park Point Drive suite 200	Project Number:	24015-0001	**Reported:**
Golden CO, 80401	Project Manager:	Chance Dixon	2/26/2024 1:14:14PM

WS24 -15 3.5

E402171-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408036
Benzene	ND	0.0250	1	02/20/24	02/25/24	
Ethylbenzene	ND	0.0250	1	02/20/24	02/25/24	
Toluene	ND	0.0250	1	02/20/24	02/25/24	
o-Xylene	ND	0.0250	1	02/20/24	02/25/24	
p,m-Xylene	ND	0.0500	1	02/20/24	02/25/24	
Total Xylenes	ND	0.0250	1	02/20/24	02/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.8 %*	*70-130*	*02/20/24*	*02/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/20/24	02/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.6 %*	*70-130*	*02/20/24*	*02/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2408062
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/24	02/22/24	
Surrogate: n-Nonane		*59.7 %*	*50-200*	*02/21/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408065
Chloride	**335**	20.0	1	02/21/24	02/22/24	

QC Summary Data

Tap Rock	Project Name:	Prometheus State Com #121H	**Reported:**
523 Park Point Drive suite 200	Project Number:	24015-0001	
Golden CO, 80401	Project Manager:	Chance Dixon	2/26/2024 1:14:14PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2408036-BLK1)									Prepared: 02/20/24 Analyzed: 02/25/24
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	*7.39*		*8.00*		*92.3*	*70-130*			
LCS (2408036-BS1)									Prepared: 02/20/24 Analyzed: 02/25/24
Benzene	4.85	0.0250	5.00		97.0	70-130			
Ethylbenzene	4.85	0.0250	5.00		97.1	70-130			
Toluene	4.84	0.0250	5.00		96.7	70-130			
o-Xylene	4.80	0.0250	5.00		95.9	70-130			
p,m-Xylene	9.77	0.0500	10.0		97.7	70-130			
Total Xylenes	14.6	0.0250	15.0		97.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.50*		*8.00*		*93.8*	*70-130*			
Matrix Spike (2408036-MS1)				**Source: E402176-02**					Prepared: 02/20/24 Analyzed: 02/25/24
Benzene	4.67	0.0250	5.00	ND	93.3	54-133			
Ethylbenzene	4.69	0.0250	5.00	ND	93.8	61-133			
Toluene	4.65	0.0250	5.00	ND	93.1	61-130			
o-Xylene	4.65	0.0250	5.00	ND	93.0	63-131			
p,m-Xylene	9.44	0.0500	10.0	ND	94.4	63-131			
Total Xylenes	14.1	0.0250	15.0	ND	93.9	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.44*		*8.00*		*93.0*	*70-130*			
Matrix Spike Dup (2408036-MSD1)				**Source: E402176-02**					Prepared: 02/20/24 Analyzed: 02/25/24
Benzene	4.79	0.0250	5.00	ND	95.7	54-133	2.56	20	
Ethylbenzene	4.79	0.0250	5.00	ND	95.9	61-133	2.16	20	
Toluene	4.77	0.0250	5.00	ND	95.3	61-130	2.41	20	
o-Xylene	4.73	0.0250	5.00	ND	94.7	63-131	1.77	20	
p,m-Xylene	9.66	0.0500	10.0	ND	96.6	63-131	2.32	20	
Total Xylenes	14.4	0.0250	15.0	ND	95.9	63-131	2.14	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.49*		*8.00*		*93.6*	*70-130*			

QC Summary Data

Tap Rock	Project Name:	Prometheus State Com #121H	**Reported:**
523 Park Point Drive suite 200	Project Number:	24015-0001	
Golden CO, 80401	Project Manager:	Chance Dixon	2/26/2024 1:14:14PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2408036-BLK1)									Prepared: 02/20/24 Analyzed: 02/25/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.87*		*8.00*		*98.4*	*70-130*			
LCS (2408036-BS2)									Prepared: 02/20/24 Analyzed: 02/25/24
Gasoline Range Organics (C6-C10)	52.1	20.0	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.92*		*8.00*		*99.0*	*70-130*			
Matrix Spike (2408036-MS2)				**Source: E402176-02**					Prepared: 02/20/24 Analyzed: 02/25/24
Gasoline Range Organics (C6-C10)	50.8	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.84*		*8.00*		*98.0*	*70-130*			
Matrix Spike Dup (2408036-MSD2)				**Source: E402176-02**					Prepared: 02/20/24 Analyzed: 02/25/24
Gasoline Range Organics (C6-C10)	52.4	20.0	50.0	ND	105	70-130	3.22	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.86*		*8.00*		*98.2*	*70-130*			

QC Summary Data

Tap Rock	Project Name:	Prometheus State Com #121H	**Reported:**
523 Park Point Drive suite 200	Project Number:	24015-0001	
Golden CO, 80401	Project Manager:	Chance Dixon	2/26/2024 1:14:14PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2408062-BLK1)									Prepared: 02/21/24 Analyzed: 02/22/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.1*		*50.0*		*94.2*	*50-200*			
LCS (2408062-BS1)									Prepared: 02/21/24 Analyzed: 02/22/24
Diesel Range Organics (C10-C28)	239	25.0	250		95.4	38-132			
Surrogate: n-Nonane	*45.8*		*50.0*		*91.7*	*50-200*			
Matrix Spike (2408062-MS1)				**Source: E402171-04**					Prepared: 02/21/24 Analyzed: 02/22/24
Diesel Range Organics (C10-C28)	257	25.0	250	26.1	92.3	38-132			
Surrogate: n-Nonane	*44.2*		*50.0*		*88.4*	*50-200*			
Matrix Spike Dup (2408062-MSD1)				**Source: E402171-04**					Prepared: 02/21/24 Analyzed: 02/22/24
Diesel Range Organics (C10-C28)	261	25.0	250	26.1	94.1	38-132	1.75	20	
Surrogate: n-Nonane	*44.9*		*50.0*		*89.8*	*50-200*			

QC Summary Data

Tap Rock	Project Name:	Prometheus State Com #121H	**Reported:**
523 Park Point Drive suite 200	Project Number:	24015-0001	
Golden CO, 80401	Project Manager:	Chance Dixon	2/26/2024 1:14:14PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2408065-BLK1)									Prepared: 02/21/24 Analyzed: 02/22/24
Chloride	ND	20.0							
LCS (2408065-BS1)									Prepared: 02/21/24 Analyzed: 02/22/24
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2408065-MS1)				**Source: E402168-02**					Prepared: 02/21/24 Analyzed: 02/22/24
Chloride	910	20.0	250	657	101	80-120			
Matrix Spike Dup (2408065-MSD1)				**Source: E402168-02**					Prepared: 02/21/24 Analyzed: 02/22/24
Chloride	913	20.0	250	657	102	80-120	0.284	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 State Com #121H	
523 Park Point Drive suite 200	Project Number:	24015-0001	**Reported:**
Golden CO, 80401	Project Manager:	Chance Dixon	02/26/24 13:14

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: Tap Rock	Bill To
Project: onfile Prometheus State Com #121H	Attention: Vertex
Project Manager:	Address: onfile
Address:	City, State, Zip
City, State, Zip	Phone:
Phone:	Email: CDixon@Vertex.ca
Email:	
Report due by:	

Lab Use Only 24015-0021

Lab WO#	Job Number	TAT 1D	2D	3D	Standard	EPA Program CWA	SDWA	RCRA
E402171	~~19031-00018~~				✓			

State: NM ✓ | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
0900	02/16/24	Soil		BS24-02 4FT	1	✓	✓	✓		✓			
0915				BS24-02 1.5FT	2								
0930				WS24-07 .5FT	3								
1045				BS24-08 1.5FT	4								
1100				WS24-08 1.5FT	5								
1115				WS24-07 1.5	6								
1145				BS24-10 .5FT	7								
1200				WS24-10 .5FT	8								
1230				BS24-12 3.5	9								
1245				BS24-13 3.5	10								

Additional Instructions: email CDixon@Vertex.ca

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: Wyatt Wadeish

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
	2-19-24	1048	Michelle Gaylor	2.19.24	1048
Michelle Gaylor	2-19-24	1615	Andrew Hobbs	2.19.24	1730
Andrew Hobbs	2.19.24	2330	Kaylyn D Hall	2-20-24	0530

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

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

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

envirotech

Client: Vertex

Project: onfile Prometheus State Com #121H

Sampler: Wyatt Wadleish

Phone: Onfile

Email(s): CDixon@vertex.ca

Project Manager: Chance Dixon

RUSH? 1d ☐ 3d ☐ Std.

Page 2 of 2

Lab Use Only	
Lab WO#	P462171
Job Number	24015-0001 ~~19031-0001~~ AP

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	Lab Number	Correct Cont/Prsrv (s) Y/N
~~Prometheus GIB~~ WS24-14 3.5FT	02/16/24	1300	S	Jar	✓	✓	✓	✓		
WS24-15 3.5	02/16/24	1315	S	"	✓	✓	✓	✓		

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2.19.24	1048	Michelle Garza	2.19.24	1048
Michelle Garza	2.19.24	1615	Andrew Moss	2.19.24	1730

Lab Use Only

**Received on Ice Y / N

T1_____ T2_____ T3_____

AVG Temp °C 4

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

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

**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.

☐ Sample(s) dropped off after hours to a secure drop off area.

Andrew Moss 2.19.24 2330

Chain of Custody

Notes/Billing info:

envirotech Analytical Laboratory

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879

envirotech-inc.com laboratory@envirotech-inc.com

Envirotech Analytical Laboratory

Printed: 2/20/2024 9:51:33AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Tap Rock	Date Received:	02/20/24 05:30	Work Order ID:	E402171
Phone:	(575) 746-9547	Date Logged In:	02/19/24 17:35	Logged In By:	Alexa Michaels
Email:	cdixon@vertex.ca	Due Date:	02/26/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
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 filteration 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:

Chance Dixon

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Vertex Resource Services Inc.

Project Name:	23E-06064 Prometheus #121H
Work Order:	E402184
Job Number:	24015-0001
Received:	2/21/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/23/24

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: 2/23/24

Chance Dixon
3101 Boyd Drive
Carlsbad, NM 88220

Project Name: 23E-06064 Prometheus #121H
Workorder: E402184
Date Received: 2/21/2024 5:30:00AM

Chance Dixon,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/21/2024 5:30:00AM, under the Project Name: 23E-06064 Prometheus #121H.

The analytical test results summarized in this report with the Project Name: 23E-06064 Prometheus #121H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Golzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Vertex Resource Services Inc.	Project Name:	23E-06064 Prometheus #121H	**Reported:**
3101 Boyd Drive	Project Number:	24015-0001	
Carlsbad NM, 88220	Project Manager:	Chance Dixon	02/23/24 16:32

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BS24-11 2ft	E402184-01A	Soil	02/19/24	02/21/24	Glass Jar, 4 oz.
WS24-11 2ft	E402184-02A	Soil	02/19/24	02/21/24	Glass Jar, 4 oz.
BS24-7 1.5ft	E402184-03A	Soil	02/19/24	02/21/24	Glass Jar, 4 oz.
BS24-9 2.75ft	E402184-04A	Soil	02/19/24	02/21/24	Glass Jar, 4 oz.
BS24-14 1.5ft	E402184-05A	Soil	02/19/24	02/21/24	Glass Jar, 4 oz.
WS24-16 1.5ft	E402184-06A	Soil	02/19/24	02/21/24	Glass Jar, 4 oz.
WS24-17 1.5ft	E402184-07A	Soil	02/19/24	02/21/24	Glass Jar, 4 oz.

Sample Data

Vertex Resource Services Inc.	Project Name:	23E-06064 Prometheus #121H	
3101 Boyd Drive	Project Number:	24015-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	2/23/2024 4:32:03PM

BS24-11 2ft

E402184-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408050
Benzene	ND	0.0250	1	02/21/24	02/23/24	
Ethylbenzene	ND	0.0250	1	02/21/24	02/23/24	
Toluene	ND	0.0250	1	02/21/24	02/23/24	
o-Xylene	ND	0.0250	1	02/21/24	02/23/24	
p,m-Xylene	ND	0.0500	1	02/21/24	02/23/24	
Total Xylenes	ND	0.0250	1	02/21/24	02/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.8 %*	*70-130*	*02/21/24*	*02/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408050
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/24	02/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.1 %*	*70-130*	*02/21/24*	*02/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408061
Diesel Range Organics (C10-C28)	**58.8**	25.0	1	02/21/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/24	02/22/24	
Surrogate: n-Nonane		*96.0 %*	*50-200*	*02/21/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408056
Chloride	**379**	20.0	1	02/21/24	02/21/24	

Sample Data

Vertex Resource Services Inc.	Project Name:	23E-06064 Prometheus #121H	
3101 Boyd Drive	Project Number:	24015-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	2/23/2024 4:32:03PM

WS24-11 2ft

E402184-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408050
Benzene	ND	0.0250	1	02/21/24	02/23/24	
Ethylbenzene	ND	0.0250	1	02/21/24	02/23/24	
Toluene	ND	0.0250	1	02/21/24	02/23/24	
o-Xylene	ND	0.0250	1	02/21/24	02/23/24	
p,m-Xylene	ND	0.0500	1	02/21/24	02/23/24	
Total Xylenes	ND	0.0250	1	02/21/24	02/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.9 %*	*70-130*	*02/21/24*	*02/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408050
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/24	02/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*	*70-130*	*02/21/24*	*02/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408061
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/24	02/22/24	
Surrogate: n-Nonane		*97.7 %*	*50-200*	*02/21/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408056
Chloride	**77.4**	20.0	1	02/21/24	02/21/24	

Sample Data

Vertex Resource Services Inc.	Project Name:	23E-06064 Prometheus #121H	
3101 Boyd Drive	Project Number:	24015-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	2/23/2024 4:32:03PM

BS24-7 1.5ft

E402184-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408050
Benzene	ND	0.0250	1	02/21/24	02/23/24	
Ethylbenzene	ND	0.0250	1	02/21/24	02/23/24	
Toluene	ND	0.0250	1	02/21/24	02/23/24	
o-Xylene	ND	0.0250	1	02/21/24	02/23/24	
p,m-Xylene	ND	0.0500	1	02/21/24	02/23/24	
Total Xylenes	ND	0.0250	1	02/21/24	02/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.2 %*	*70-130*	*02/21/24*	*02/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408050
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/24	02/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.2 %*	*70-130*	*02/21/24*	*02/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408061
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/24	02/22/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*02/21/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408056
Chloride	**178**	20.0	1	02/21/24	02/21/24	

Sample Data

Vertex Resource Services Inc.	Project Name:	23E-06064 Prometheus #121H	
3101 Boyd Drive	Project Number:	24015-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	2/23/2024 4:32:03PM

BS24-9 2.75ft

E402184-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408050
Benzene	ND	0.0250	1	02/21/24	02/23/24	
Ethylbenzene	ND	0.0250	1	02/21/24	02/23/24	
Toluene	ND	0.0250	1	02/21/24	02/23/24	
o-Xylene	ND	0.0250	1	02/21/24	02/23/24	
p,m-Xylene	ND	0.0500	1	02/21/24	02/23/24	
Total Xylenes	ND	0.0250	1	02/21/24	02/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.7 %*	*70-130*	*02/21/24*	*02/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408050
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/24	02/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*02/21/24*	*02/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408061
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/24	02/22/24	
Surrogate: n-Nonane		*91.7 %*	*50-200*	*02/21/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408056
Chloride	**252**	20.0	1	02/21/24	02/21/24	

Sample Data

Vertex Resource Services Inc.	Project Name:	23E-06064 Prometheus #121H	
3101 Boyd Drive	Project Number:	24015-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	2/23/2024 4:32:03PM

BS24-14 1.5ft

E402184-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408050
Benzene	ND	0.0250	1	02/21/24	02/23/24	
Ethylbenzene	ND	0.0250	1	02/21/24	02/23/24	
Toluene	ND	0.0250	1	02/21/24	02/23/24	
o-Xylene	ND	0.0250	1	02/21/24	02/23/24	
p,m-Xylene	ND	0.0500	1	02/21/24	02/23/24	
Total Xylenes	ND	0.0250	1	02/21/24	02/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.9 %*	*70-130*	*02/21/24*	*02/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408050
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/24	02/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.2 %*	*70-130*	*02/21/24*	*02/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408061
Diesel Range Organics (C10-C28)	**60.6**	25.0	1	02/21/24	02/22/24	
Oil Range Organics (C28-C36)	**56.5**	50.0	1	02/21/24	02/22/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*02/21/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408056
Chloride	**529**	20.0	1	02/21/24	02/21/24	

Sample Data

Vertex Resource Services Inc.	Project Name:	23E-06064 Prometheus #121H	
3101 Boyd Drive	Project Number:	24015-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	2/23/2024 4:32:03PM

WS24-16 1.5ft

E402184-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408050
Benzene	ND	0.0250	1	02/21/24	02/23/24	
Ethylbenzene	ND	0.0250	1	02/21/24	02/23/24	
Toluene	ND	0.0250	1	02/21/24	02/23/24	
o-Xylene	ND	0.0250	1	02/21/24	02/23/24	
p,m-Xylene	ND	0.0500	1	02/21/24	02/23/24	
Total Xylenes	ND	0.0250	1	02/21/24	02/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.6 %*	*70-130*	*02/21/24*	*02/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408050
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/24	02/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.3 %*	*70-130*	*02/21/24*	*02/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408061
Diesel Range Organics (C10-C28)	**34.8**	25.0	1	02/21/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/24	02/22/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*02/21/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408056
Chloride	**139**	20.0	1	02/21/24	02/21/24	

Sample Data

Vertex Resource Services Inc.	Project Name:	23E-06064 Prometheus #121H	
3101 Boyd Drive	Project Number:	24015-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	2/23/2024 4:32:03PM

WS24-17 1.5ft

E402184-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408050
Benzene	ND	0.0250	1	02/21/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/21/24	02/22/24	
Toluene	ND	0.0250	1	02/21/24	02/22/24	
o-Xylene	ND	0.0250	1	02/21/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/21/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/21/24	02/22/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.4 %*	*70-130*	*02/21/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408050
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/24	02/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.3 %*	*70-130*	*02/21/24*	*02/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408061
Diesel Range Organics (C10-C28)	**69.9**	25.0	1	02/21/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/24	02/22/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*02/21/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408056
Chloride	**759**	20.0	1	02/21/24	02/22/24	

QC Summary Data

Vertex Resource Services Inc.	Project Name:	23E-06064 Prometheus #121H	**Reported:**
3101 Boyd Drive	Project Number:	24015-0001	
Carlsbad NM, 88220	Project Manager:	Chance Dixon	2/23/2024 4:32:03PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2408050-BLK1)									Prepared: 02/21/24 Analyzed: 02/23/24
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	*6.66*		*8.00*		*83.2*	*70-130*			
LCS (2408050-BS1)									Prepared: 02/21/24 Analyzed: 02/22/24
Benzene	4.40	0.0250	5.00		88.0	70-130			
Ethylbenzene	4.57	0.0250	5.00		91.4	70-130			
Toluene	4.59	0.0250	5.00		91.7	70-130			
o-Xylene	4.65	0.0250	5.00		93.0	70-130			
p,m-Xylene	9.36	0.0500	10.0		93.6	70-130			
Total Xylenes	14.0	0.0250	15.0		93.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.71*		*8.00*		*96.4*	*70-130*			
Matrix Spike (2408050-MS1)				**Source: E402184-01**					Prepared: 02/21/24 Analyzed: 02/22/24
Benzene	4.33	0.0250	5.00	ND	86.6	54-133			
Ethylbenzene	4.53	0.0250	5.00	ND	90.6	61-133			
Toluene	4.54	0.0250	5.00	ND	90.7	61-130			
o-Xylene	4.59	0.0250	5.00	ND	91.7	63-131			
p,m-Xylene	9.27	0.0500	10.0	ND	92.7	63-131			
Total Xylenes	13.9	0.0250	15.0	ND	92.4	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.98*		*8.00*		*99.8*	*70-130*			
Matrix Spike Dup (2408050-MSD1)				**Source: E402184-01**					Prepared: 02/21/24 Analyzed: 02/22/24
Benzene	4.03	0.0250	5.00	ND	80.7	54-133	7.11	20	
Ethylbenzene	4.24	0.0250	5.00	ND	84.8	61-133	6.58	20	
Toluene	4.24	0.0250	5.00	ND	84.7	61-130	6.84	20	
o-Xylene	4.30	0.0250	5.00	ND	85.9	63-131	6.54	20	
p,m-Xylene	8.69	0.0500	10.0	ND	86.9	63-131	6.37	20	
Total Xylenes	13.0	0.0250	15.0	ND	86.6	63-131	6.42	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.97*		*8.00*		*99.6*	*70-130*			

QC Summary Data

Vertex Resource Services Inc.	Project Name:	23E-06064 Prometheus #121H	**Reported:**
3101 Boyd Drive	Project Number:	24015-0001	
Carlsbad NM, 88220	Project Manager:	Chance Dixon	2/23/2024 4:32:03PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2408050-BLK1)									Prepared: 02/21/24 Analyzed: 02/23/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.40*		*8.00*		*92.5*	*70-130*			
LCS (2408050-BS2)									Prepared: 02/21/24 Analyzed: 02/23/24
Gasoline Range Organics (C6-C10)	54.2	20.0	50.0		108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.44*		*8.00*		*93.0*	*70-130*			
Matrix Spike (2408050-MS2)				**Source: E402184-01**					Prepared: 02/21/24 Analyzed: 02/23/24
Gasoline Range Organics (C6-C10)	52.1	20.0	50.0	ND	104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.35*		*8.00*		*91.9*	*70-130*			
Matrix Spike Dup (2408050-MSD2)				**Source: E402184-01**					Prepared: 02/21/24 Analyzed: 02/23/24
Gasoline Range Organics (C6-C10)	51.1	20.0	50.0	ND	102	70-130	2.01	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.49*		*8.00*		*93.7*	*70-130*			

QC Summary Data

Vertex Resource Services Inc.	Project Name:	23E-06064 Prometheus #121H	**Reported:**
3101 Boyd Drive	Project Number:	24015-0001	
Carlsbad NM, 88220	Project Manager:	Chance Dixon	2/23/2024 4:32:03PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2408061-BLK1)									Prepared: 02/21/24 Analyzed: 02/21/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.9*		*50.0*		*106*	*50-200*			
LCS (2408061-BS1)									Prepared: 02/21/24 Analyzed: 02/21/24
Diesel Range Organics (C10-C28)	255	25.0	250		102	38-132			
Surrogate: n-Nonane	*49.4*		*50.0*		*98.8*	*50-200*			
Matrix Spike (2408061-MS1)				**Source: E402141-05**					Prepared: 02/21/24 Analyzed: 02/21/24
Diesel Range Organics (C10-C28)	427	25.0	250	108	128	38-132			
Surrogate: n-Nonane	*51.8*		*50.0*		*104*	*50-200*			
Matrix Spike Dup (2408061-MSD1)				**Source: E402141-05**					Prepared: 02/21/24 Analyzed: 02/21/24
Diesel Range Organics (C10-C28)	403	25.0	250	108	118	38-132	5.80	20	
Surrogate: n-Nonane	*52.4*		*50.0*		*105*	*50-200*			

QC Summary Data

Vertex Resource Services Inc.	Project Name:	23E-06064 Prometheus #121H	**Reported:**
3101 Boyd Drive	Project Number:	24015-0001	
Carlsbad NM, 88220	Project Manager:	Chance Dixon	2/23/2024 4:32:03PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2408056-BLK1)									Prepared: 02/21/24 Analyzed: 02/21/24
Chloride	ND	20.0							
LCS (2408056-BS1)									Prepared: 02/21/24 Analyzed: 02/21/24
Chloride	263	20.0	250		105	90-110			
Matrix Spike (2408056-MS1)				**Source: E402177-03**					Prepared: 02/21/24 Analyzed: 02/21/24
Chloride	380	20.0	250	123	102	80-120			
Matrix Spike Dup (2408056-MSD1)				**Source: E402177-03**					Prepared: 02/21/24 Analyzed: 02/21/24
Chloride	388	20.0	250	123	106	80-120	2.27	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

Vertex Resource Services Inc.	Project Name:	23E-06064 Prometheus #121H	
3101 Boyd Drive	Project Number:	24015-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	02/23/24 16:32

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.

Client: Vertex / TOP ROCK
Project: 23E-06064 Prometheus #121H
Sampler: Wyatt Wadleigh
Phone: 575 988 1472
Email(s): CDixon@vertex.ca cc: wwadleigh@vertex.ca
Project Manager: Chance Dixon

RUSH? ☐ 1d ☑ 3d

Page 1 of 1

Lab Use Only	Analysis and Method									lab Only	
Lab WO# PE402184	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0						Lab Number	Correct Cont/Prsrv (s) Y/N
Job Number 24015-0001 ~~19031-0001 AP~~											

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative
BS24-11 2 ft	02/17/24	11:00	Soil	4 OZ JARS
WS24-11 2ft		11:15		
BS 24-7 1.5 ft		11:30		
BS 24-9 2.75 ft		11:45		
BS 24-14 1.5 ft		12:00		
WS 24-16 1.5 ft		12:15		
WS 24-17 1.5 ft		12:30		

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2.20	1045	Michelle Gay	2-20-24	1045
Michelle Gay	2-20-2024	1615	Andrew Hobbs	2-20-24	1700

Lab Use Only
**Received on Ice Y / N
T1____ T2____ T3____
AVG Temp °C 4

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

**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.

☒ Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody
Andrew Hobbs 2.20-24 2400 Keyton R Hall 2/21/24 0530

Notes/Billing info: CC: Wyatt Wadleigh

envirotech Analytical Laboratory
5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com laboratory@envirotech-inc.com

Envirotech Analytical Laboratory

Printed: 2/21/2024 9:07:08AM

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:	Vertex Resource Services Inc.	Date Received:	02/21/24 05:30	Work Order ID:	E402184
Phone:	(575) 748-0176	Date Logged In:	02/20/24 15:59	Logged In By:	Alexa Michaels
Email:	cdixon@vertex.ca	Due Date:	02/23/24 17:00 (2 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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

Comments/Resolution

Analysis -TPH by EPA 8015 not 418.1

Client Instruction

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

Date

envirotech Inc.

Report to:

Chance Dixon

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Tap Rock

Project Name:	Prometheus CTB
Work Order:	E403003
Job Number:	24015-0001
Received:	3/4/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/5/24

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: 3/5/24

Chance Dixon
523 Park Point Drive suite 200
Golden, CO 80401

Project Name: Prometheus CTB
Workorder: E403003
Date Received: 3/4/2024 8:45:00AM

Chance Dixon,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/4/2024 8:45:00AM, under the Project Name: Prometheus CTB.

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

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Golzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Tap Rock	Project Name:	Prometheus CTB	**Reported:**
523 Park Point Drive suite 200	Project Number:	24015-0001	
Golden CO, 80401	Project Manager:	Chance Dixon	03/05/24 14:37

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
WS24-03 3FT	E403003-01A	Soil	02/29/24	03/04/24	Glass Jar, 2 oz.
BS24-04 3FT	E403003-02A	Soil	02/29/24	03/04/24	Glass Jar, 2 oz.
BS24-06 2.5FT	E403003-03A	Soil	02/29/24	03/04/24	Glass Jar, 2 oz.
BS24-03 3	E403003-04A	Soil	02/29/24	03/04/24	Glass Jar, 2 oz.

Sample Data

Tap Rock	Project Name:	Prometheus CTB	
523 Park Point Drive suite 200	Project Number:	24015-0001	**Reported:**
Golden CO, 80401	Project Manager:	Chance Dixon	3/5/2024 2:37:27PM

WS24-03 3FT

E403003-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2410006
Benzene	ND	0.0250	1	03/04/24	03/04/24	
Ethylbenzene	ND	0.0250	1	03/04/24	03/04/24	
Toluene	ND	0.0250	1	03/04/24	03/04/24	
o-Xylene	ND	0.0250	1	03/04/24	03/04/24	
p,m-Xylene	ND	0.0500	1	03/04/24	03/04/24	
Total Xylenes	ND	0.0250	1	03/04/24	03/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*03/04/24*	*03/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2410006
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/24	03/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.5 %*	*70-130*	*03/04/24*	*03/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2410002
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/24	03/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/24	03/04/24	
Surrogate: n-Nonane		*91.9 %*	*50-200*	*03/04/24*	*03/04/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2410013
Chloride	ND	20.0	1	03/04/24	03/04/24	

Sample Data

Tap Rock	Project Name:	Prometheus CTB	
523 Park Point Drive suite 200	Project Number:	24015-0001	**Reported:**
Golden CO, 80401	Project Manager:	Chance Dixon	3/5/2024 2:37:27PM

BS24-04 3FT

E403003-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2410006
Benzene	ND	0.0250	1	03/04/24	03/04/24	
Ethylbenzene	ND	0.0250	1	03/04/24	03/04/24	
Toluene	ND	0.0250	1	03/04/24	03/04/24	
o-Xylene	ND	0.0250	1	03/04/24	03/04/24	
p,m-Xylene	ND	0.0500	1	03/04/24	03/04/24	
Total Xylenes	ND	0.0250	1	03/04/24	03/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*99.0 %*	*70-130*	*03/04/24*	*03/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2410006
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/24	03/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.4 %*	*70-130*	*03/04/24*	*03/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2410002
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/24	03/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/24	03/04/24	
Surrogate: n-Nonane		*94.9 %*	*50-200*	*03/04/24*	*03/04/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2410013
Chloride	ND	20.0	1	03/04/24	03/04/24	

Sample Data

Tap Rock	Project Name:	Prometheus CTB	
523 Park Point Drive suite 200	Project Number:	24015-0001	**Reported:**
Golden CO, 80401	Project Manager:	Chance Dixon	3/5/2024 2:37:27PM

BS24-06 2.5FT

E403003-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2410006
Benzene	ND	0.0250	1	03/04/24	03/04/24	
Ethylbenzene	ND	0.0250	1	03/04/24	03/04/24	
Toluene	ND	0.0250	1	03/04/24	03/04/24	
o-Xylene	ND	0.0250	1	03/04/24	03/04/24	
p,m-Xylene	ND	0.0500	1	03/04/24	03/04/24	
Total Xylenes	ND	0.0250	1	03/04/24	03/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.9 %*	*70-130*	*03/04/24*	*03/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2410006
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/24	03/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.4 %*	*70-130*	*03/04/24*	*03/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2410002
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/24	03/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/24	03/04/24	
Surrogate: n-Nonane		*93.1 %*	*50-200*	*03/04/24*	*03/04/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2410013
Chloride	**57.3**	20.0	1	03/04/24	03/04/24	

Sample Data

Tap Rock	Project Name:	Prometheus CTB	
523 Park Point Drive suite 200	Project Number:	24015-0001	**Reported:**
Golden CO, 80401	Project Manager:	Chance Dixon	3/5/2024 2:37:27PM

BS24-03 3

E403003-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2410006
Benzene	ND	0.0250	1	03/04/24	03/04/24	
Ethylbenzene	ND	0.0250	1	03/04/24	03/04/24	
Toluene	ND	0.0250	1	03/04/24	03/04/24	
o-Xylene	ND	0.0250	1	03/04/24	03/04/24	
p,m-Xylene	ND	0.0500	1	03/04/24	03/04/24	
Total Xylenes	ND	0.0250	1	03/04/24	03/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.1 %*	*70-130*	*03/04/24*	*03/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2410006
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/24	03/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.5 %*	*70-130*	*03/04/24*	*03/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2410002
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/24	03/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/24	03/04/24	
Surrogate: n-Nonane		*89.8 %*	*50-200*	*03/04/24*	*03/04/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2410013
Chloride	ND	20.0	1	03/04/24	03/04/24	

QC Summary Data

Tap Rock	Project Name:	Prometheus CTB	**Reported:**
523 Park Point Drive suite 200	Project Number:	24015-0001	
Golden CO, 80401	Project Manager:	Chance Dixon	3/5/2024 2:37:27PM

Volatile Organics by EPA 8021B

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 (2410006-BLK1)									Prepared: 03/04/24 Analyzed: 03/04/24
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	*7.77*		*8.00*		*97.1*	*70-130*			
LCS (2410006-BS1)									Prepared: 03/04/24 Analyzed: 03/04/24
Benzene	5.02	0.0250	5.00		100	70-130			
Ethylbenzene	4.88	0.0250	5.00		97.6	70-130			
Toluene	5.00	0.0250	5.00		100	70-130			
o-Xylene	4.94	0.0250	5.00		98.9	70-130			
p,m-Xylene	9.97	0.0500	10.0		99.7	70-130			
Total Xylenes	14.9	0.0250	15.0		99.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.78*		*8.00*		*97.2*	*70-130*			
Matrix Spike (2410006-MS1)				**Source: E403003-02**					Prepared: 03/04/24 Analyzed: 03/04/24
Benzene	5.13	0.0250	5.00	ND	103	54-133			
Ethylbenzene	4.98	0.0250	5.00	ND	99.6	61-133			
Toluene	5.11	0.0250	5.00	ND	102	61-130			
o-Xylene	5.05	0.0250	5.00	ND	101	63-131			
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131			
Total Xylenes	15.2	0.0250	15.0	ND	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.76*		*8.00*		*97.1*	*70-130*			
Matrix Spike Dup (2410006-MSD1)				**Source: E403003-02**					Prepared: 03/04/24 Analyzed: 03/04/24
Benzene	5.05	0.0250	5.00	ND	101	54-133	1.49	20	
Ethylbenzene	4.91	0.0250	5.00	ND	98.1	61-133	1.46	20	
Toluene	5.03	0.0250	5.00	ND	101	61-130	1.55	20	
o-Xylene	4.97	0.0250	5.00	ND	99.5	63-131	1.52	20	
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131	1.57	20	
Total Xylenes	15.0	0.0250	15.0	ND	99.9	63-131	1.55	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.85*		*8.00*		*98.2*	*70-130*			

QC Summary Data

Tap Rock	Project Name:	Prometheus CTB	**Reported:**
523 Park Point Drive suite 200	Project Number:	24015-0001	
Golden CO, 80401	Project Manager:	Chance Dixon	3/5/2024 2:37:27PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2410006-BLK1)									Prepared: 03/04/24 Analyzed: 03/04/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.36*		*8.00*		*92.0*	*70-130*			
LCS (2410006-BS2)									Prepared: 03/04/24 Analyzed: 03/04/24
Gasoline Range Organics (C6-C10)	45.6	20.0	50.0		91.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.47*		*8.00*		*93.4*	*70-130*			
Matrix Spike (2410006-MS2)				**Source: E403003-02**					Prepared: 03/04/24 Analyzed: 03/04/24
Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.58*		*8.00*		*94.7*	*70-130*			
Matrix Spike Dup (2410006-MSD2)				**Source: E403003-02**					Prepared: 03/04/24 Analyzed: 03/04/24
Gasoline Range Organics (C6-C10)	47.5	20.0	50.0	ND	95.1	70-130	0.528	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.50*		*8.00*		*93.7*	*70-130*			

QC Summary Data

Tap Rock	Project Name:	Prometheus CTB	**Reported:**
523 Park Point Drive suite 200	Project Number:	24015-0001	
Golden CO, 80401	Project Manager:	Chance Dixon	3/5/2024 2:37:27PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2410002-BLK1)									Prepared: 03/04/24 Analyzed: 03/05/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*45.2*		*50.0*		*90.3*	*50-200*			
LCS (2410002-BS1)									Prepared: 03/04/24 Analyzed: 03/04/24
Diesel Range Organics (C10-C28)	224	25.0	250		89.7	38-132			
Surrogate: n-Nonane	*45.8*		*50.0*		*91.7*	*50-200*			
Matrix Spike (2410002-MS1)				**Source: E403003-03**					Prepared: 03/04/24 Analyzed: 03/04/24
Diesel Range Organics (C10-C28)	240	25.0	250	ND	96.0	38-132			
Surrogate: n-Nonane	*50.9*		*50.0*		*102*	*50-200*			
Matrix Spike Dup (2410002-MSD1)				**Source: E403003-03**					Prepared: 03/04/24 Analyzed: 03/04/24
Diesel Range Organics (C10-C28)	237	25.0	250	ND	94.7	38-132	1.33	20	
Surrogate: n-Nonane	*50.1*		*50.0*		*100*	*50-200*			

QC Summary Data

Tap Rock	Project Name:	Prometheus CTB	**Reported:**
523 Park Point Drive suite 200	Project Number:	24015-0001	
Golden CO, 80401	Project Manager:	Chance Dixon	3/5/2024 2:37:27PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2410013-BLK1)									Prepared: 03/04/24 Analyzed: 03/04/24
Chloride	ND	20.0							
LCS (2410013-BS1)									Prepared: 03/04/24 Analyzed: 03/04/24
Chloride	249	20.0	250		99.6	90-110			
Matrix Spike (2410013-MS1)				**Source: E403003-03**					Prepared: 03/04/24 Analyzed: 03/04/24
Chloride	318	20.0	250	57.3	104	80-120			
Matrix Spike Dup (2410013-MSD1)				**Source: E403003-03**					Prepared: 03/04/24 Analyzed: 03/04/24
Chloride	341	20.0	250	57.3	114	80-120	7.05	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 CTB	
523 Park Point Drive suite 200	Project Number:	24015-0001	**Reported:**
Golden CO, 80401	Project Manager:	Chance Dixon	03/05/24 14:37

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.

Client: Tap Rock Resources
Project: Prometheus CTB
Sampler: Wyatt Wadleigh
Phone: 575 988 1472
Email(s): CDixon@Vertex.ca
Project Manager: Chance Dixon

RUSH? ☑ 1d ☐ 3d

Lab Use Only
Lab WO# E403003
Job Number 24015-0001

Page 1 of 1

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	Lab Number	Correct Cont/Prsrv (s) Y/N
WS 24-03 3FT	02/29/24	11:30	Soil	4oz Jars	✓	✓	✓	✓	1	
BS 24-04 3FT		15:15							2	
BS 24-06 2.5FT		11:13							3	
BS 24-03 3		15:00							4	

Analysis and Method

lab Only

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Wyatt W.			Michelle Gaugh	3-1-24	1100
Michelle Gaugh	3-1-24	1723	Andrew Musso	3.1.24	1745

Lab Use Only
**Received on Ice Y / N
T1____ T2____ T3____
AVG Temp °C 4

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

**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.

☐ Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody
Andrew Musso 3.1.24 2300 3/4/24 8:45

Notes/Billing info:

envirotech Analytical Laboratory
5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com laboratory@envirotech-inc.com

Envirotech Analytical Laboratory

Printed: 3/4/2024 12:37:52PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Tap Rock	Date Received:	03/04/24 08:45	Work Order ID:	E403003
Phone:	(303) 862-3400	Date Logged In:	03/01/24 17:11	Logged In By:	Jessica Liesse
Email:	cdixon@vertex.ca	Due Date:	03/04/24 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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

Comments/Resolution

COC has analysis TPH by EPA 418.1, this is a typo and analysis requested is TPH by EPA 8015.

Client Instruction

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

Date

envirotech Inc.

Report to:

Chance Dixon

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Vertex Resource Services Inc.

Project Name:	Prometheus state Com 121 H
Work Order:	E403043
Job Number:	24015-0001
Received:	3/6/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/18/24

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: 3/18/24

Chance Dixon
3101 Boyd Drive
Carlsbad, NM 88220

Project Name: Prometheus state Com 121 H
Workorder: E403043
Date Received: 3/6/2024 8:00:00AM

Chance Dixon,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/6/2024 8:00:00AM, under the Project Name: Prometheus state Com 121 H.

The analytical test results summarized in this report with the Project Name: Prometheus state Com 121 H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Golzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Vertex Resource Services Inc.	Project Name:	Prometheus state Com 121 H	**Reported:**
3101 Boyd Drive	Project Number:	24015-0001	
Carlsbad NM, 88220	Project Manager:	Chance Dixon	03/18/24 10:00

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
WS 24 -19 2.5 FT	E403043-01A	Soil	03/01/24	03/06/24	Glass Jar, 2 oz.
BS 24 -14 2.5 FT	E403043-02A	Soil	03/01/24	03/06/24	Glass Jar, 2 oz.
BS 24 -05 3.5 FT	E403043-03A	Soil	03/01/24	03/06/24	Glass Jar, 2 oz.
BS 24 -08 2 FT	E403043-04A	Soil	03/01/24	03/06/24	Glass Jar, 2 oz.

Sample Data

Vertex Resource Services Inc.	Project Name:	Prometheus state Com 121 H	
3101 Boyd Drive	Project Number:	24015-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	3/18/2024 10:00:44AM

WS 24 -19 2.5 FT

E403043-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2410063
Benzene	ND	0.0250	1	03/06/24	03/06/24	
Ethylbenzene	ND	0.0250	1	03/06/24	03/06/24	
Toluene	ND	0.0250	1	03/06/24	03/06/24	
o-Xylene	ND	0.0250	1	03/06/24	03/06/24	
p,m-Xylene	ND	0.0500	1	03/06/24	03/06/24	
Total Xylenes	ND	0.0250	1	03/06/24	03/06/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.6 %*	*70-130*	*03/06/24*	*03/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2410063
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/24	03/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.5 %*	*70-130*	*03/06/24*	*03/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2410059
Diesel Range Organics (C10-C28)	ND	25.0	1	03/06/24	03/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/06/24	03/06/24	
Surrogate: n-Nonane		*86.7 %*	*50-200*	*03/06/24*	*03/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2410065
Chloride	ND	20.0	1	03/06/24	03/06/24	

Sample Data

Vertex Resource Services Inc.	Project Name:	Prometheus state Com 121 H	
3101 Boyd Drive	Project Number:	24015-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	3/18/2024 10:00:44AM

BS 24 -14 2.5 FT

E403043-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2410063
Benzene	ND	0.0250	1	03/06/24	03/06/24	
Ethylbenzene	ND	0.0250	1	03/06/24	03/06/24	
Toluene	ND	0.0250	1	03/06/24	03/06/24	
o-Xylene	ND	0.0250	1	03/06/24	03/06/24	
p,m-Xylene	ND	0.0500	1	03/06/24	03/06/24	
Total Xylenes	ND	0.0250	1	03/06/24	03/06/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.8 %*	*70-130*	*03/06/24*	*03/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2410063
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/24	03/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.7 %*	*70-130*	*03/06/24*	*03/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2410059
Diesel Range Organics (C10-C28)	ND	25.0	1	03/06/24	03/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/06/24	03/06/24	
Surrogate: n-Nonane		*84.7 %*	*50-200*	*03/06/24*	*03/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2410065
Chloride	**145**	20.0	1	03/06/24	03/06/24	

Sample Data

Vertex Resource Services Inc.	Project Name:	Prometheus state Com 121 H	
3101 Boyd Drive	Project Number:	24015-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	3/18/2024 10:00:44AM

BS 24 -05 3.5 FT

E403043-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2410063
Benzene	ND	0.0250	1	03/06/24	03/06/24	
Ethylbenzene	ND	0.0250	1	03/06/24	03/06/24	
Toluene	ND	0.0250	1	03/06/24	03/06/24	
o-Xylene	ND	0.0250	1	03/06/24	03/06/24	
p,m-Xylene	ND	0.0500	1	03/06/24	03/06/24	
Total Xylenes	ND	0.0250	1	03/06/24	03/06/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.0 %*	*70-130*	*03/06/24*	*03/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2410063
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/24	03/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.5 %*	*70-130*	*03/06/24*	*03/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2410059
Diesel Range Organics (C10-C28)	ND	25.0	1	03/06/24	03/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/06/24	03/06/24	
Surrogate: n-Nonane		*89.0 %*	*50-200*	*03/06/24*	*03/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2410065
Chloride	**562**	20.0	1	03/06/24	03/06/24	

Sample Data

Vertex Resource Services Inc.	Project Name:	Prometheus state Com 121 H	
3101 Boyd Drive	Project Number:	24015-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	3/18/2024 10:00:44AM

BS 24 -08 2 FT

E403043-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2410063
Benzene	ND	0.0250	1	03/06/24	03/06/24	
Ethylbenzene	ND	0.0250	1	03/06/24	03/06/24	
Toluene	ND	0.0250	1	03/06/24	03/06/24	
o-Xylene	ND	0.0250	1	03/06/24	03/06/24	
p,m-Xylene	ND	0.0500	1	03/06/24	03/06/24	
Total Xylenes	ND	0.0250	1	03/06/24	03/06/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.0 %*	*70-130*	*03/06/24*	*03/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2410063
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/24	03/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.5 %*	*70-130*	*03/06/24*	*03/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2410059
Diesel Range Organics (C10-C28)	ND	25.0	1	03/06/24	03/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/06/24	03/06/24	
Surrogate: n-Nonane		*79.3 %*	*50-200*	*03/06/24*	*03/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2410065
Chloride	**488**	20.0	1	03/06/24	03/06/24	

QC Summary Data

Vertex Resource Services Inc.	Project Name:	Prometheus state Com 121 H	**Reported:**
3101 Boyd Drive	Project Number:	24015-0001	
Carlsbad NM, 88220	Project Manager:	Chance Dixon	3/18/2024 10:00:44AM

Volatile Organics by EPA 8021B

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 (2410063-BLK1)									Prepared: 03/06/24 Analyzed: 03/06/24
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	*7.87*		*8.00*		*98.4*	*70-130*			
LCS (2410063-BS1)									Prepared: 03/06/24 Analyzed: 03/06/24
Benzene	5.21	0.0250	5.00		104	70-130			
Ethylbenzene	5.06	0.0250	5.00		101	70-130			
Toluene	5.20	0.0250	5.00		104	70-130			
o-Xylene	5.14	0.0250	5.00		103	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.5	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.84*		*8.00*		*98.0*	*70-130*			
Matrix Spike (2410063-MS1)				**Source: E403043-02**					Prepared: 03/06/24 Analyzed: 03/06/24
Benzene	5.21	0.0250	5.00	ND	104	54-133			
Ethylbenzene	5.04	0.0250	5.00	ND	101	61-133			
Toluene	5.19	0.0250	5.00	ND	104	61-130			
o-Xylene	5.12	0.0250	5.00	ND	102	63-131			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131			
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.90*		*8.00*		*98.8*	*70-130*			
Matrix Spike Dup (2410063-MSD1)				**Source: E403043-02**					Prepared: 03/06/24 Analyzed: 03/06/24
Benzene	5.54	0.0250	5.00	ND	111	54-133	6.10	20	
Ethylbenzene	5.36	0.0250	5.00	ND	107	61-133	6.10	20	
Toluene	5.52	0.0250	5.00	ND	110	61-130	6.12	20	
o-Xylene	5.46	0.0250	5.00	ND	109	63-131	6.34	20	
p,m-Xylene	10.9	0.0500	10.0	ND	109	63-131	6.08	20	
Total Xylenes	16.4	0.0250	15.0	ND	109	63-131	6.17	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.89*		*8.00*		*98.6*	*70-130*			

QC Summary Data

Vertex Resource Services Inc.	Project Name:	Prometheus state Com 121 H	**Reported:**
3101 Boyd Drive	Project Number:	24015-0001	
Carlsbad NM, 88220	Project Manager:	Chance Dixon	3/18/2024 10:00:44AM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2410063-BLK1)									Prepared: 03/06/24 Analyzed: 03/06/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.98*		*8.00*		*87.3*	*70-130*			
LCS (2410063-BS2)									Prepared: 03/06/24 Analyzed: 03/06/24
Gasoline Range Organics (C6-C10)	46.9	20.0	50.0		93.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.06*		*8.00*		*88.3*	*70-130*			
Matrix Spike (2410063-MS2)				**Source: E403043-02**					Prepared: 03/06/24 Analyzed: 03/06/24
Gasoline Range Organics (C6-C10)	45.3	20.0	50.0	ND	90.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.13*		*8.00*		*89.1*	*70-130*			
Matrix Spike Dup (2410063-MSD2)				**Source: E403043-02**					Prepared: 03/06/24 Analyzed: 03/06/24
Gasoline Range Organics (C6-C10)	44.3	20.0	50.0	ND	88.6	70-130	2.19	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.16*		*8.00*		*89.6*	*70-130*			

QC Summary Data

Vertex Resource Services Inc.	Project Name:	Prometheus state Com 121 H	**Reported:**
3101 Boyd Drive	Project Number:	24015-0001	
Carlsbad NM, 88220	Project Manager:	Chance Dixon	3/18/2024 10:00:44AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2410059-BLK1)									Prepared: 03/06/24 Analyzed: 03/06/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.1*		*50.0*		*94.1*	*50-200*			
LCS (2410059-BS1)									Prepared: 03/06/24 Analyzed: 03/06/24
Diesel Range Organics (C10-C28)	269	25.0	250		108	38-132			
Surrogate: n-Nonane	*47.5*		*50.0*		*95.0*	*50-200*			
Matrix Spike (2410059-MS1)				**Source: E403021-03**					Prepared: 03/06/24 Analyzed: 03/06/24
Diesel Range Organics (C10-C28)	251	25.0	250	ND	100	38-132			
Surrogate: n-Nonane	*44.8*		*50.0*		*89.7*	*50-200*			
Matrix Spike Dup (2410059-MSD1)				**Source: E403021-03**					Prepared: 03/06/24 Analyzed: 03/06/24
Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.4	38-132	1.10	20	
Surrogate: n-Nonane	*43.5*		*50.0*		*87.0*	*50-200*			

QC Summary Data

Vertex Resource Services Inc.	Project Name:	Prometheus state Com 121 H	**Reported:**
3101 Boyd Drive	Project Number:	24015-0001	
Carlsbad NM, 88220	Project Manager:	Chance Dixon	3/18/2024 10:00:44AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2410065-BLK1)									Prepared: 03/06/24 Analyzed: 03/06/24
Chloride	ND	20.0							
LCS (2410065-BS1)									Prepared: 03/06/24 Analyzed: 03/06/24
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2410065-MS1)				**Source: E403043-04**					Prepared: 03/06/24 Analyzed: 03/06/24
Chloride	811	20.0	250	488	129	80-120			M2
Matrix Spike Dup (2410065-MSD1)				**Source: E403043-04**					Prepared: 03/06/24 Analyzed: 03/06/24
Chloride	677	20.0	250	488	75.7	80-120	18.0	20	M2

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

Definitions and Notes

Vertex Resource Services Inc.	Project Name:	Prometheus state Com 121 H	
3101 Boyd Drive	Project Number:	24015-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Chance Dixon	03/18/24 10:00

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
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 1

Client: ~~Ensolum~~ Vertex	
Project: Prometheus State Com 121H	
Project Manager: Chance Dixon	
Address: On file	
City, State, Zip ↓	
Phone: 575-988-1472	
Email: CDixon@vertex.ca	
Report due by:	

Bill To

Attention: Tat Rock	
Address: on file	
City, State, Zip ↓	
Phone: ↓	
Email:	

Lab Use Only

Lab WO#	Job Number
E403043	24015-0001

TAT

1D	2D	3D	Standard
✓			

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
✓					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX			Remarks
12:30	03/01/24	Soil		WS 24-17 2.5 FT	1	✓	✓	✓		✓							
10:45	03/01/24	↓		BS 24-14 2.5 FT	2	↓	↓	↓		↓							
10:00	↓	↓		BS 24-05 3.5 FT	3	↓	↓	↓		↓							
14:00	↓	↓		BS 24-08 2 FT	4	↓	↓	↓		↓							

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: Wyatt Wallace

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
[signature]	03/05/24	10:15	[signature]	3-5-24	1015
[signature]	3-5-24	1610	[signature]	3-5-24	1700
[signature]	3-5-24	2330	[signature]	3/6/24	0800

Lab Use Only
Received on ice: (Y)/ N
T1 T2 T3
AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 3/6/2024 4:28:23PM

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:	Vertex Resource Services Inc.	Date Received:	03/06/24 08:00	Work Order ID:	E403043
Phone:	(575) 748-0176	Date Logged In:	03/05/24 16:14	Logged In By:	Angelina Pineda
Email:	cdixon@vertex.ca	Due Date:	03/06/24 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	No	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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

Comments/Resolution

No. of sample containers not documented on COC by client.

Client Instruction

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

Date

envirotech Inc.

Project Information | Chain of Custody | Page 1 of 1

Client: ~~Ensolum~~ Vertex	Bill To	Lab Use Only
Project: Pronghorn State Com 121H	Attention: Tat Rock	Lab WO# E403043
Project Manager: Chance Dixon	Address: Office	Job Number 24015-0001
Address: Office	City, State, Zip	
City, State, Zip	Phone:	
Phone: 575-988-1172	Email:	
Email: CDixon@vertex.ca		
Report due by:		

TAT				EPA Program	
1D	2D	3D	Standard	CWA	SDWA
✓					
					RCRA
				State	
				NM	CO
				✓	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
12:30	03/01/24	Soil		WS 24-19 2.5 FT	1	✓	✓	✓		✓			per C. Dixon
10:45	03/01/24			BS 24-14 2.5 FT	2								3/18/24
10:00				BS 24-05 3.5 FT	3								
14:00				BS 24-08 2 FT	4								

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: Wyatt Wallace

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
	03/05/24	10:15		3-5-24	1015
	3-5-24	1610		3-5-24	1700
	3-5-24	2330		3/6/24	0800

Lab Use Only
Received on ice: (Y)/ N
T1 T2 T3
AVG Temp °C 4

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

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

envirotech

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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1000 Rio Brazos Rd., Aztec, NM 87410
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District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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Santa Fe, NM 87505

QUESTIONS

Action 326279

QUESTIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 326279
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2336273011**
Incident Name	**NAPP2336273011 JACKSON UNIT FLOWLINE @ 30-025-48742**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Closure Report Received**
Incident Well	**[30-025-48742] JACKSON UNIT #821H**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Jackson Unit Flowline
Date Release Discovered	12/27/2023
Surface Owner	State

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
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	Cause: Equipment Failure | Flow Line - Production | Produced Water | Released: 82 BBL | Recovered: 30 BBL | Lost: 52 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	*Not answered.*
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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QUESTIONS (continued)

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 326279
	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: Bill Ramsey Title: Regulatory Analyst Email: bramsey@taprk.com Date: 01/08/2024

District I
1625 N. French Dr., Hobbs, NM 88240
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QUESTIONS (continued)

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 326279
	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)	Less than or equal 25 (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	Between 200 and 300 (ft.)
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	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between ½ and 1 (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	Yes

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)	3360
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	15600
GRO+DRO (EPA SW-846 Method 8015M)	12550
BTEX (EPA SW-846 Method 8021B or 8260B)	226.6
Benzene (EPA SW-846 Method 8021B or 8260B)	16.8
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	02/15/2024
On what date will (or did) the final sampling or liner inspection occur	03/01/2024
On what date will (or was) the remediation complete(d)	03/01/2024
What is the estimated surface area (in square feet) that will be reclaimed	3315
What is the estimated volume (in cubic yards) that will be reclaimed	313
What is the estimated surface area (in square feet) that will be remediated	3315
What is the estimated volume (in cubic yards) that will be remediated	313
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 (continued)

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	Action Number: 326279
	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	*Not answered.*
OR which OCD approved well (API) will be used for **off-site** disposal	30-025-48742 JACKSON UNIT #821H
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)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
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: Chance Dixon Title: Project Manager Email: cdixon@vertex.ca Date: 03/25/2024
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 (continued)

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 326279
	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 (continued)

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	Action Number: 326279
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**319020**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**03/04/2024**
What was the (estimated) number of samples that were to be gathered	**15**
What was the sampling surface area in square feet	**3000**

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	3315
What was the total volume (cubic yards) remediated	313
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	3315
What was the total volume (in cubic yards) reclaimed	313
Summarize any additional remediation activities not included by answers (above)	No additional remedial activities were required. The excavation was conducted to the extents of the known contamination from delineation and confirmation sampling affirmed the removal of it.

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: Chance Dixon Title: Project Manager Email: cdixon@vertex.ca Date: 03/25/2024

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QUESTIONS (continued)

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	Action Number: 326279
	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 326279

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
nvelez	None	5/3/2024