



Incident Number: NAPP2436138858

Release Assessment and Closure

Prometheus A CTB

Section 22, Township 24 South, Range 33 East

County: Lea

Vertex File Number: 25E-00027

Prepared for:

Jonah Energy LLC.

Prepared by:

Vertex Resource Services Inc.

Date:

March 2025

Jonah Energy LLC.
Prometheus A CTB

Release Assessment and Closure
March 2025

Release Assessment and Closure
Prometheus A CTB
Section 22, Township 24 South, Range 33 East
County: Lea

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1.0 Introduction

Tap Rock Operating LLC. (Tap Rock) retained Vertex Resource Services Inc. (Vertex) to conduct a Release Assessment and Closure for a produced water release that occurred on December 25, 2024, at the Prometheus A CTB (hereafter referred to as “the site”). In January of 2025, Tap Rock relinquished the Prometheus A CTB and the site was acquired by Jonah Energy LLC. (Jonah Energy) who took over liability of release with transfer. Tap Rock submitted an initial C-141 Release Notification to New Mexico Oil Conservation Division (NMOCD) District 2 on December 26, 2024, Incident ID number NAPP2436138858 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 closure of this release, with the understanding that restoration of the release site will be deferred until such time as all oil and gas activities are terminated and the site is reclaimed per NMAC 19.15.29.13.

2.0 Incident Description

The release occurred on December 25, 2024, due to high line pressure. The incident was reported on December 25, 2024, and involved the release of approximately 38 barrels (bbl) of produced water onto the pad site. Approximately 22 bbl. of free fluid was recovered during initial clean-up. Additional details relevant to the release are presented in the C-141 Report.

3.0 Site Characteristics

The site is located approximately 22 miles northwest of Jal, New Mexico (Google Inc., 2025). The legal location for the site is Section 22, Township 24 South, Range 33 East in Lea County, New Mexico. The release area is located on State land. An aerial photograph and site schematic are presented on Figure 1.

The Geological Map of New Mexico (New Mexico Bureau of Geology and Mineral Resources, 2025) indicates the site’s surface geology primarily comprises Qep Eolian and piedmont deposits. The predominant soil texture on site is Fine Loamy Sand. Additional soil characteristics include a drainage class of “well drained” with a runoff class of “Low”. The karst geology potential for the site is Low (United States Department of the Interior, Bureau of Land Management, 2018).

The location is typical of oil and gas exploration and production sites in the Permian Basin and is currently used for oil and gas production and storage. The following sections specifically describe the release area at the site on the constructed pad (Figure 1).

The surrounding landscape is associated with uplands, plains, dunes, fan piedmonts and in inter dunal areas with elevations ranging between 2,800 to 5,000 feet. The climate is semiarid with average annual precipitation ranging between 8 and 13 inches. Using information from the United States Department of Agriculture, the dominant vegetation

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was determined to be grasses with shrubs and half-shrubs (United States Department of Agriculture, Natural Resources Conservation Service, 2025). Limited to no vegetation is allowed to grow on the compacted production pad, right-of-way and access road.

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 0.61 miles west of the site (United States Geological Survey, 2025). Data from 2023 show the NMOSE borehole recorded a depth to 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 located approximately 275 feet east of the site (United States Fish and Wildlife Service, 2025).

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.

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Table 1. Closure Criteria Determination			
Site Name: Prometheus A CTB			
Spill Coordinates: 32.200861,-103.566987		X: 635066	Y: 3563600
Site Specific Conditions		Value	Unit
1	Depth to Groundwater (nearest reference)	100	feet
	Distance between release and nearest DTGW reference	3202	feet
		0.61	miles
	Date of nearest DTGW reference measurement	March 27, 2023	
2	Within 300 feet of any continuously flowing watercourse or any other significant watercourse	275	feet
3	Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark)	12,238	feet
4	Within 300 feet from an occupied residence, school, hospital, institution or church	31,140	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	6,670	feet
	ii) Within 1000 feet of any fresh water well or spring	6,670	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	3,877	feet
8	Within the area overlying a subsurface mine	No	(Y/N)
	Distance between release and nearest registered mine	112,000	feet
9	Within an unstable area (Karst Map)	Low	Critical High Medium Low
	Distance between release and nearest unstable area	40,739	feet
10	Within a 100-year Floodplain	Undetermined	year
	Distance between release and nearest FEMA Zone A (100-year Floodplain)	63,629	feet
11	Soil Type	Fine sand, fine sandy loam	
12	Ecological Classification	Loamy Sand	
13	Geology	Eolian and piedmont deposits	
	NMAC 19.15.29.12 E (Table 1) Closure Criteria	<50'	<50' 51-100' >100'

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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		
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 January 6, 2025, which identified the area of the release specified in the initial C-141 Report, estimated the approximate volume of the release and white lined the area required for the One Call request. Site delineation was completed between January 6 and 8, 2025. The impacted area was determined to have a perimeter of 705 feet. The total affected area is 13,174 square feet. Characterization sampling results are included in Table 3.

Remediation efforts began on January 27, 2025, and were finalized on February 21, 2025. Vertex personnel supervised the excavation of impacted soils. Field screening was completed on a total of 16 sample points and consisted of analysis using a Photo Ionization Detector (volatile hydrocarbons), Dextsil Petroflag using EPA SW-846 Method 9074 (extractable hydrocarbons) and silver nitrate titration (chlorides). Field screening results were used to identify areas requiring further remediation. Soils were removed to a depth of 0 to 4.5 feet bgs. Impacted soil was transported by a licensed waste hauler and disposed of at an approved waste management facility. A final DFR documenting the final excavation before the backfill is presented in Appendix C.

Notification of confirmatory sampling was provided to the NMOCD before each sampling day and are located on the incident files of the release on OCD Permitting website. Five-point composite confirmatory samples were collected from the base and walls of the excavation in 200 square foot increments. A total of 100 samples were collected and used for confirmation and submitted for laboratory analysis following the NMAC soil sampling procedures. Samples were submitted to Envirotech Laboratory 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). Confirmatory laboratory results are presented in Table 4, and the laboratory data reports are included in Appendix C. All confirmatory samples collected and analyzed were below closure criteria for the site.

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6.0 Closure Request

The release area was fully delineated, remediated, and backfilled with local soils. 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 location “under 50 feet to groundwater”. Based on these findings, Jonah Energy requests that this release be closed.

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

7.0 References

- Google Inc. (2025). *Google Earth Pro (Version 7.3.3)* [Software]. Retrieved from <https://earth.google.com>
- New Mexico Bureau of Geology and Mineral Resources. (2025). *Interactive Geologic Map*. Retrieved from <https://maps.nmt.edu/>
- New Mexico Department of Surface Water Quality Bureau. (2025). *Assessed and Impaired Waters of New Mexico*. Retrieved from <https://gis.web.env.nm.gov/oem/?map=swqb>
- New Mexico Energy, Minerals and Natural Resources Department. (2025). *OCD Permitting - Spill Search*. Retrieved from <https://wwwapps.emnrd.nm.gov/ocd/ocdpermitting/Data/Spills/Spills.aspx>
- New Mexico Mining and Minerals Division. (2025). *Coal Mine Resources in New Mexico*. Retrieved from <https://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=5f80f3b0faa545e58fe747cc7b037a93>
- New Mexico Office of the State Engineer. (2025a). *Point of Diversion Location Report - New Mexico Water Rights Reporting System*. Retrieved from <http://nmwrrs.ose.state.nm.us/nmwrrs/wellSurfaceDiversion.html>
- New Mexico Office of the State Engineer. (2025b). *Water Column/Average Depth to Water Report - New Mexico Water Rights Reporting System*. Retrieved from <http://nmwrrs.ose.state.nm.us/nmwrrs/waterColumn.html>
- New Mexico Office of the State Engineer. (2025c). *Well Log/Meter Information Report - New Mexico Water Rights Reporting System*. Retrieved from <http://nmwrrs.ose.state.nm.us/nmwrrs/meterReport.html>
- New Mexico Oil Conservation Division. (2018). *New Mexico Administrative Code – Natural Resources and Wildlife Oil and Gas Releases*. Santa Fe, New Mexico.
- United States Department of Agriculture, Natural Resources Conservation Service. (2025). *Web Soil Survey*. Retrieved from <https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>
- United States Department of Homeland Security, Federal Emergency Management Agency. (2025). *FEMA Flood Map Service: Search by Address*. Retrieved from <https://msc.fema.gov/portal/search?AddressQuery=malaga%20new%20mexico#searchresultsanchor>
- United States Department of the Interior, Bureau of Land Management. (2018). *New Mexico Cave/Karst*. Retrieved from https://www.nm.blm.gov/shapeFiles/cfo/carlsbad_spatial_data.html
- United States Fish and Wildlife Service. (2025). *National Wetland Inventory - Surface Waters and Wetlands*. Retrieved from <https://fwsprimary.wim.usgs.gov/wetlands/apps/wetlands-mapper/>
- United States Geological Survey. (2025). *National Water Information System: Web Interface*. Retrieved from <https://waterdata.usgs.gov/nwis>

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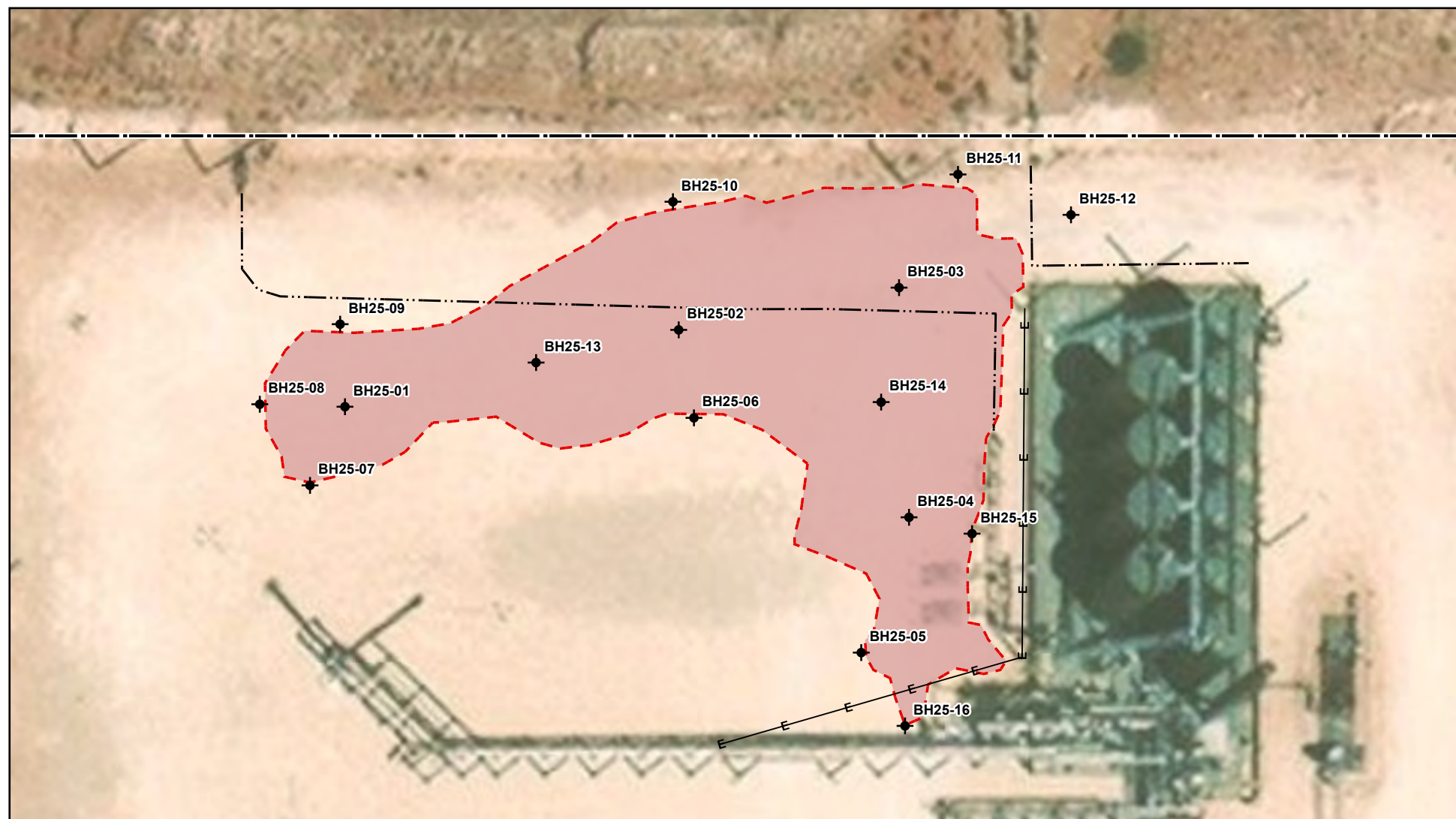
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8.0 Limitations

This report has been prepared for the sole benefit of Jonah Energy LLC. This document may not be used by any other person or entity, with the exception of the New Mexico Oil Conservation Division, without the express written consent of Vertex Resource Services Inc. (Vertex) and Jonah Energy LLC. 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. 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



◆ Borehole (Prefixed "BH25-") — Electrical Line - - - Pipeline (Underground) - - - Approximate Lease Boundary - - - Release Area (~13,174 sq.ft.)



0 25 50 ft
NAD 1983 UTM Zone 13N
Date: Mar 06/25

Map Center:
Lat/Long
32.200787°, -103.566924°



Characterization Sampling Site Schematic Prometheus A CTB

FIGURE:

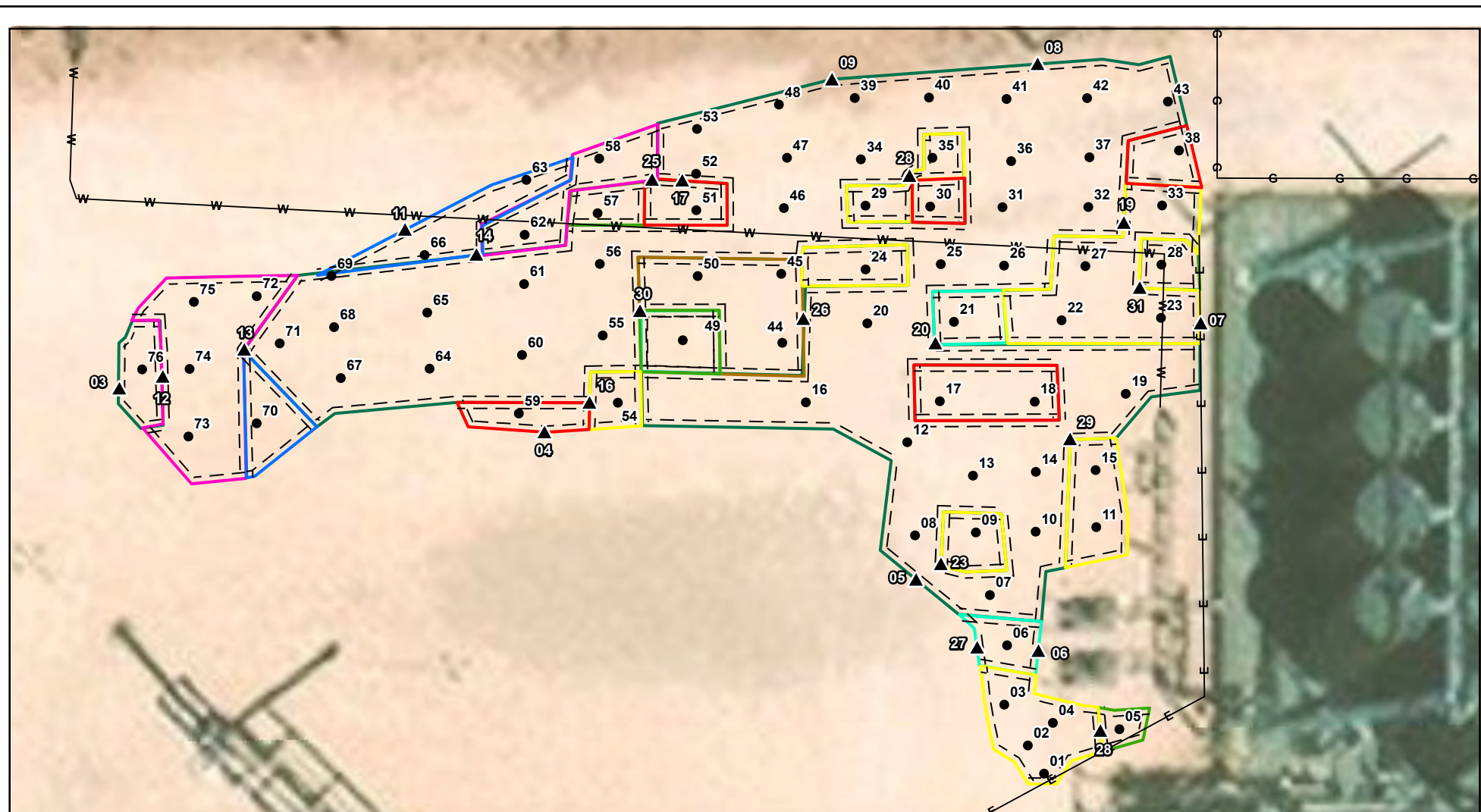
1



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, 2024. Approximate lease boundary from sketch by Vertex Professional Services Ltd. (Vertex), 2025. Site features from GPS, Vertex, 2025.

VERSATILITY. EXPERTISE.



- | | | | |
|-------------------------------------|--|--|--|
| ● Base Sample (Prefixed by "BS25-") | W— Water Line (Underground) | Excavation to 2.25' bgs (~738 sq.ft. 279 ft.) | Excavation to 4' bgs (~559 sq.ft. 112 ft.) |
| ▲ Wall Sample (Prefixed by "WS25-") | Excavation to 1' bgs (~507 sq.ft. 184 ft.) | Excavation to 2.5' bgs (~2,007 sq.ft. 549 ft.) | |
| — Electrical Line (Underground) | Excavation to 1.5' bgs (~1,098 sq.ft. 244 ft.) | Excavation to 3' bgs (~498 sq.ft. 179 ft.) | |
| — Gas Line (Underground) | Excavation to 2' bgs (~7,288 sq.ft. 1,114 ft.) | Excavation to 3.5' bgs (~479 sq.ft. 156 ft.) | |



0 15 30 ft
NAD 1983 UTM Zone 13N
Date: Mar 10/25

Map Center:
Lat/Long
32.200768°, -103.566953°



Confirmation Schematic Map Prometheus A CTB

FIGURE:

2



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, 2024. Approximate lease boundary from sketch by Vertex Professional Services Ltd. (Vertex), 2025. Site features from GPS, Vertex, 2025.

VERSATILITY. EXPERTISE.

TABLES

Client Name: Jonah Energy, LLC.

Site Name: Prometheus A CTB

NMOCD Tracking #: nAPP2436138858

Project #: 25E-00027

Lab Reports: E501037, E501047, and E501058

Table 3. Initial Characterization Sample Field Screen and Laboratory Results												
Sample Description			Field Screening		Petroleum Hydrocarbons							Inorganic Chloride Concentration
Sample ID	Depth (ft)	Sample Date	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Volatile		Extractable					
					Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	
			(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Depth to Groundwater <50 feet bgs												
BH25-01	0.5	January 6, 2025	-	11,150	ND	ND	ND	ND	ND	ND	ND	10,700
	2	January 6, 2025	1	175	ND	ND	ND	ND	ND	ND	ND	29
	4	January 6, 2025	13	250	ND	ND	ND	ND	ND	ND	ND	90
BH25-02	0.5	January 6, 2025	-	18,250	ND	ND	ND	ND	ND	ND	ND	16,300
	2	January 6, 2025	-	1,383	ND	ND	ND	ND	ND	ND	ND	992
	4	January 6, 2025	18	950	ND	ND	ND	ND	ND	ND	ND	568
	6	January 6, 2025	10	500	ND	ND	ND	ND	ND	ND	ND	261
BH25-03	0.5	January 6, 2025	-	18,375	ND	ND	ND	ND	ND	ND	ND	16,000
	2	January 6, 2025	1	250	ND	ND	ND	ND	ND	ND	ND	34
	4	January 6, 2025	5	598	ND	ND	ND	ND	ND	ND	ND	237
BH25-04	0.5	January 6, 2025	-	16,750	ND	ND	ND	ND	ND	ND	ND	15,400
	2	January 6, 2025	9	825	ND	ND	ND	ND	ND	ND	ND	495
	4	January 6, 2025	18	150	ND	ND	ND	ND	ND	ND	ND	48
BH25-05	0	January 6, 2025	25	150	ND	ND	ND	ND	ND	ND	ND	29
	2	January 6, 2025	3	175	ND	ND	ND	ND	ND	ND	ND	ND
BH25-06	0	January 6, 2025	41	225	ND	ND	ND	ND	ND	ND	ND	59
	2	January 6, 2025	4	150	ND	ND	ND	ND	ND	ND	ND	ND
BH25-07	0	January 6, 2025	18	100	ND	ND	ND	ND	ND	ND	ND	ND
	2	January 6, 2025	6	125	ND	ND	ND	ND	ND	ND	ND	38
BH25-08	0	January 6, 2025	14	75	ND	ND	ND	ND	ND	ND	ND	ND
	2	January 6, 2025	10	100	ND	ND	ND	ND	ND	ND	ND	ND
BH25-09	0	January 6, 2025	4	300	ND	ND	ND	ND	ND	ND	ND	ND
	2	January 6, 2025	6	100	ND	ND	ND	ND	ND	ND	ND	ND
BH25-10	0	January 6, 2025	9	200	ND	ND	ND	ND	ND	ND	ND	26
	2	January 6, 2025	4	200	ND	ND	ND	ND	ND	ND	ND	ND
BH25-11	0	January 7, 2025	26	125	ND	ND	ND	ND	ND	ND	ND	ND
	2	January 7, 2025	6	100	ND	ND	ND	ND	ND	ND	ND	ND
BH25-12	0	January 7, 2025	13	150	ND	ND	ND	ND	ND	ND	ND	ND
	2	January 7, 2025	3	75	ND	ND	ND	ND	ND	ND	ND	ND
BH25-13	0.5	January 7, 2025	-	11,000	ND	ND	ND	ND	ND	ND	ND	9,920
	2	January 7, 2025	2	340	ND	ND	ND	ND	ND	ND	ND	60
	4	January 7, 2025	1	450	ND	ND	ND	ND	ND	ND	ND	122
BH25-14	0	January 7, 2025	-	17,575	ND	ND	ND	ND	ND	ND	ND	16,200
	2	January 7, 2025	-	1,085	ND	ND	ND	ND	ND	ND	ND	323
	8	January 7, 2025	5	700	ND	ND	ND	ND	ND	ND	ND	ND
BH25-15	0	January 8, 2025	5	300	ND	ND	ND	ND	ND	ND	ND	ND
	2	January 8, 2025	3	100	ND	ND	ND	ND	ND	ND	ND	ND
BH25-16	0	January 8, 2025	11	200	ND	ND	ND	ND	ND	ND	ND	58
	2	January 8, 2025	5	100	ND	ND	ND	ND	ND	ND	ND	40

"ND" Not Detected at the Reporting Limit

"- " indicates not analyzed/assessed

Bold and grey shaded indicates exceedance outside of NMOCD Remediation Closure Criteria

Client Name: Jonah Energy LLC.

Site Name: Prometheus A CTB

NM OCD Tracking #: nAPP2436138858

Project #: 25E-00027

Lab Reports: E501229, E502017, E502016, E502047, E502057, E502066, E502075, E502091, E502162, E502180, E502196, E502203, E502289

Table 4. Confirmatory Sample Field Screen and Laboratory Results

Table 4. Confirmatory Sample Field Screen and Laboratory Results										
Sample Description			Petroleum Hydrocarbons							Inorganic
Sample ID	Depth (ft)	Sample Date	Volatile		Extractable					
			Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	
(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)			
Depth to Groundwater <50 feet bgs										
BS25-01	2.5	February 7, 2025	ND	ND	ND	ND	ND	ND	ND	401
BS25-02	2.5	February 19, 2025	ND	ND	ND	ND	ND	ND	ND	443
BS25-03	1	January 27, 2025	ND	ND	ND	ND	ND	ND	ND	2,880
	2.5	February 17, 2025	ND	ND	ND	ND	ND	ND	ND	29
BS25-04	2.5	February 7, 2025	ND	ND	ND	ND	ND	ND	ND	505
BS25-05	3	February 6, 2025	ND	ND	ND	ND	ND	ND	ND	542
BS25-06	2.5	February 10, 2025	ND	ND	ND	ND	ND	ND	ND	875
	3.5	February 10, 2025	ND	ND	ND	ND	ND	ND	ND	387
BS25-07	2.5	February 10, 2025	ND	ND	ND	ND	ND	ND	ND	366
BS25-08	2	February 3, 2025	ND	ND	ND	ND	ND	ND	ND	226
BS25-09	2	February 3, 2025	ND	ND	ND	ND	ND	ND	ND	915
	2.5	February 17, 2025	ND	ND	ND	ND	ND	ND	ND	64
BS25-10	2	February 3, 2025	ND	ND	ND	ND	ND	ND	ND	162
BS25-11	2.5	February 10, 2025	ND	ND	ND	ND	ND	ND	ND	305
BS25-12	2	February 3, 2025	ND	ND	ND	ND	ND	ND	ND	234
BS25-13	2	February 3, 2025	ND	ND	ND	ND	ND	ND	ND	570
BS25-14	2	February 3, 2025	ND	ND	ND	ND	ND	ND	ND	144
BS25-15	2.5	February 7, 2025	ND	ND	ND	ND	ND	ND	ND	456
BS25-16	2	February 3, 2025	ND	ND	ND	ND	ND	ND	ND	489
BS25-17	2	February 3, 2025	ND	ND	ND	ND	ND	ND	ND	601
	2.25	February 17, 2025	ND	ND	ND	ND	ND	ND	ND	139
BS25-18	2	February 3, 2025	ND	ND	ND	ND	ND	ND	ND	764
	2.25	February 17, 2025	ND	ND	ND	ND	ND	ND	ND	166
BS25-19	2	February 3, 2025	ND	ND	ND	ND	ND	ND	ND	414
BS25-20	2	February 3, 2025	ND	ND	ND	ND	ND	ND	ND	208
BS25-21	3.5	February 17, 2025	ND	ND	ND	ND	ND	ND	ND	557
BS25-22	2.5	February 10, 2025	ND	ND	ND	ND	ND	ND	ND	61
BS25-23	2.5	February 7, 2025	ND	ND	ND	ND	ND	ND	ND	77
BS25-24	2.5	February 10, 2025	ND	ND	ND	ND	ND	ND	ND	248
BS25-25	2	February 3, 2025	ND	ND	ND	ND	ND	ND	ND	399
BS25-26	2	February 4, 2025	ND	ND	ND	ND	ND	ND	ND	285
BS25-27	2.5	February 7, 2025	ND	ND	ND	ND	ND	ND	ND	ND
BS25-28	2.5	February 7, 2025	ND	ND	ND	ND	ND	ND	ND	722
	4	February 20, 2025	ND	ND	ND	262	601	262	863	174
	4.5	February 21, 2025	ND	ND	ND	ND	ND	ND	ND	ND

Client Name: Jonah Energy LLC.

Site Name: Prometheus A CTB

NM OCD Tracking #: nAPP2436138858

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Lab Reports: E501229, E502017, E502016, E502047, E502057, E502066, E502075, E502091, E502162, E502180, E502196, E502203, E502289

Table 4. Confirmatory Sample Field Screen and Laboratory Results

Table 4. Confirmatory Sample Field Screen and Laboratory Results										
Sample Description			Petroleum Hydrocarbons							Inorganic
Sample ID	Depth (ft)	Sample Date	Volatile		Extractable					
			Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	
(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)			
Depth to Groundwater <50 feet bgs										
BS25-29	2	February 10, 2025	ND	ND	ND	ND	ND	ND	ND	899
	2.5	February 17, 2025	ND	ND	ND	ND	ND	ND	ND	297
BS25-30	2	February 10, 2025	ND	ND	ND	ND	ND	ND	ND	677
	2.25	February 18, 2025	ND	ND	ND	ND	ND	ND	ND	208
BS25-31	2	February 10, 2025	ND	ND	ND	ND	ND	ND	ND	340
BS25-32	2	February 10, 2025	ND	ND	ND	ND	ND	ND	ND	225
BS25-33	2.5	February 7, 2025	ND	ND	ND	ND	ND	ND	ND	483
BS25-34	2	February 4, 2025	ND	ND	ND	ND	ND	ND	ND	277
BS25-35	1	January 29, 2025	ND	ND	ND	ND	ND	ND	ND	2,500
	2.5	February 10, 2025	ND	ND	ND	ND	ND	ND	ND	89
BS25-36	2	February 4, 2025	ND	ND	ND	ND	ND	ND	ND	133
BS25-37	1	January 29, 2025	ND	ND	ND	ND	ND	ND	ND	540
	2	February 4, 2025	ND	ND	ND	ND	ND	ND	ND	265
BS25-38	2	February 4, 2025	ND	ND	ND	ND	ND	ND	ND	623
	2.25	February 18, 2025	ND	ND	ND	ND	ND	ND	ND	451
BS25-39	2	February 4, 2025	ND	ND	ND	ND	ND	ND	ND	72
BS25-40	1	January 29, 2025	ND	ND	ND	ND	ND	ND	ND	1,910
	2	February 4, 2025	ND	ND	ND	ND	ND	ND	ND	140
BS25-41	2	February 4, 2025	ND	ND	ND	ND	ND	ND	ND	201
BS25-42	1	January 29, 2025	ND	ND	ND	ND	ND	ND	ND	656
	2	February 4, 2025	ND	ND	ND	ND	ND	ND	ND	306
BS25-43	1	January 29, 2025	ND	ND	ND	ND	ND	ND	ND	1,210
	2	February 4, 2025	ND	ND	ND	ND	ND	ND	ND	113
BS25-44	4	February 4, 2025	ND	ND	ND	ND	ND	ND	ND	534
BS25-45	4	February 4, 2025	ND	ND	ND	ND	ND	ND	ND	529
BS25-46	2	February 4, 2025	ND	ND	ND	ND	ND	ND	ND	210
BS25-47	2	February 5, 2025	ND	ND	ND	ND	ND	ND	ND	351
BS25-48	2	February 5, 2025	ND	ND	ND	ND	ND	ND	ND	99
BS25-49	3	January 30, 2025	ND	ND	ND	ND	ND	ND	ND	1,100
	3.5	February 7, 2025	ND	ND	ND	ND	ND	ND	ND	789
	4	February 21, 2025	ND	ND	ND	ND	ND	ND	ND	ND
BS25-50	2	February 5, 2025	ND	ND	ND	ND	ND	ND	ND	541
BS25-51	2	February 7, 2025	ND	ND	ND	ND	ND	ND	ND	684
	2.2	February 18, 2025	ND	ND	ND	ND	ND	ND	ND	495
BS25-52	2	February 5, 2025	ND	ND	ND	ND	ND	ND	ND	474
BS25-53	2	February 5, 2025	ND	ND	ND	ND	ND	ND	ND	326

Client Name: Jonah Energy LLC.

Site Name: Prometheus A CTB

NM OCD Tracking #: nAPP2436138858

Project #: 25E-00027

Lab Reports: E501229, E502017, E502016, E502047, E502057, E502066, E502075, E502091, E502162, E502180, E502196, E502203, E502289

Table 4. Confirmatory Sample Field Screen and Laboratory Results

Sample Description			Petroleum Hydrocarbons							Inorganic
Sample ID	Depth (ft)	Sample Date	Volatile		Extractable					
			Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	
										(mg/kg)
Depth to Groundwater <50 feet bgs										
BS25-54	2	February 5, 2025	ND	ND	ND	ND	ND	ND	ND	826
	2.5	February 17, 2025	ND	ND	ND	ND	ND	ND	ND	213
BS25-55	2	February 5, 2025	ND	ND	ND	ND	ND	ND	ND	306
BS25-56	2	February 5, 2025	ND	ND	ND	ND	ND	ND	ND	460
BS25-57	3	February 18, 2025	ND	ND	ND	ND	ND	ND	ND	236
BS25-58	1.5	February 18, 2025	ND	ND	ND	ND	ND	ND	ND	64
BS25-59	1	January 30, 2025	ND	ND	ND	ND	ND	ND	ND	2,330
	2	February 5, 2025	ND	ND	ND	ND	ND	ND	ND	613
	2.25	February 18, 2025	ND	ND	ND	ND	ND	ND	ND	220
BS25-60	2	February 5, 2025	ND	ND	ND	ND	ND	ND	ND	280
BS25-61	2	February 5, 2025	ND	ND	ND	ND	ND	ND	ND	279
BS25-62	1	January 30, 2025	ND	ND	ND	ND	ND	ND	ND	1,190
	1.5	February 17, 2025	ND	ND	ND	ND	ND	ND	ND	139
BS25-63	1	January 30, 2025	ND	ND	ND	ND	ND	ND	ND	149
BS25-64	2	February 5, 2025	ND	ND	ND	ND	ND	ND	ND	280
BS25-65	2	February 5, 2025	ND	ND	ND	ND	ND	ND	ND	445
BS25-66	1	January 31, 2025	ND	ND	ND	ND	ND	ND	ND	558
BS25-67	2	February 5, 2025	ND	ND	ND	ND	ND	ND	ND	174
BS25-68	2	February 5, 2025	ND	ND	ND	ND	ND	ND	ND	292
BS25-69	2	February 5, 2025	ND	ND	ND	ND	ND	ND	ND	261
BS25-70	1	January 31, 2025	ND	ND	ND	ND	ND	ND	ND	367
BS25-71	2	February 5, 2025	ND	ND	ND	ND	ND	ND	ND	159
BS25-72	1	January 31, 2025	ND	ND	ND	ND	ND	ND	ND	1,110
	1.5	February 17, 2025	ND	ND	ND	ND	ND	ND	ND	35
BS25-73	1	January 31, 2025	ND	ND	ND	ND	ND	ND	ND	183
	1.5	February 17, 2025	ND	ND	ND	ND	ND	ND	ND	234
BS25-74	1	January 31, 2025	ND	ND	ND	ND	ND	ND	ND	1,030
	1.5	February 17, 2025	ND	ND	ND	ND	ND	ND	ND	92
BS25-75	1	January 31, 2025	ND	ND	ND	ND	ND	ND	ND	681
	1.5	February 18, 2025	ND	ND	ND	ND	ND	ND	ND	198
BS25-76	1	January 31, 2025	ND	ND	ND	ND	ND	ND	ND	1,240
	2	February 17, 2025	ND	ND	ND	ND	ND	ND	ND	80
WS25-01	2-4	February 19, 2025	ND	ND	ND	165	539	165	704	108
WS25-02	2-4	February 19, 2025	-	-	-	-	-	-	-	-
WS25-03	0-2	February 6, 2025	ND	ND	ND	ND	ND	ND	ND	397
WS25-04	0-2	February 6, 2025	ND	ND	ND	ND	ND	ND	ND	364
WS25-05	0-2	February 6, 2025	ND	ND	ND	ND	ND	ND	ND	89

Client Name: Jonah Energy LLC.

Site Name: Prometheus A CTB

NM OCD Tracking #: nAPP2436138858

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Table 4. Confirmatory Sample Field Screen and Laboratory Results

Table 4. Confirmatory Sample Field Screen and Laboratory Results																	
Sample Description			Petroleum Hydrocarbons							Inorganic							
Sample ID	Depth (ft)	Sample Date	Volatile		Extractable												
			Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration							
											(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
											Depth to Groundwater <50 feet bgs						
WS25-06	0-3.5	February 21, 2025	ND	ND	ND	ND	ND	ND	ND	ND							
WS25-07	0-4.5	February 21, 2025	ND	ND	ND	ND	ND	ND	ND	ND							
WS25-08	0-2	February 6, 2025	ND	ND	ND	ND	ND	ND	ND	122							
WS25-09	0-2	February 6, 2025	ND	ND	ND	ND	ND	ND	ND	351							
WS25-10	0-2	February 6, 2025	ND	ND	ND	ND	ND	ND	ND	810							
WS25-11	0-2	February 19, 2025	ND	ND	ND	ND	ND	ND	ND	119							
WS25-12	1-2	February 19, 2025	ND	ND	ND	ND	ND	ND	ND	78							
WS25-13	1-2	February 19, 2025	ND	ND	ND	ND	ND	ND	ND	306							
WS25-14	1-2	February 19, 2025	ND	ND	ND	ND	ND	ND	ND	592							
WS25-15	1.5-3	February 19, 2025	-	-	-	-	-	-	-	-							
WS25-16	2-2.5	February 19, 2025	ND	ND	ND	ND	ND	ND	ND	410							
WS25-17	2-2.5	February 19, 2025	ND	ND	ND	ND	ND	ND	ND	176							
WS25-18	2-2.5	February 19, 2025	-	-	-	-	-	-	-	-							
WS25-19	2-3	February 19, 2025	ND	ND	ND	ND	ND	ND	ND	381							
WS25-20	2-3.5	February 19, 2025	ND	ND	ND	ND	ND	ND	ND	201							
WS25-21	2-2.25	February 19, 2025	-	-	-	-	-	-	-	-							
WS25-22	2-2.5	February 19, 2025	-	-	-	-	-	-	-	-							
WS25-23	2-3.5	February 19, 2025	ND	ND	ND	ND	ND	ND	ND	223							
WS25-24	2-3.5	February 19, 2025	ND	ND	ND	ND	ND	ND	ND	1,410							
WS25-25	1.5-3	February 20, 2025	ND	ND	ND	ND	ND	ND	ND	499							
WS25-26	2-4	February 20, 2025	ND	ND	ND	ND	ND	ND	ND	74							
WS25-27	2-2.5	February 20, 2025	ND	ND	ND	ND	ND	ND	ND	447							
WS25-28	2-2.25	February 20, 2025	ND	ND	ND	ND	ND	ND	ND	152							
WS25-29	2-2.5	February 20, 2025	ND	ND	ND	ND	ND	ND	ND	165							
WS25-30	2-4	February 21, 2025	ND	ND	ND	ND	ND	ND	ND	ND							
WS25-31	2.5-4.5	February 21, 2025	ND	ND	ND	ND	ND	ND	ND	ND							

"ND" indicates Not Detected at the Reporting Limit

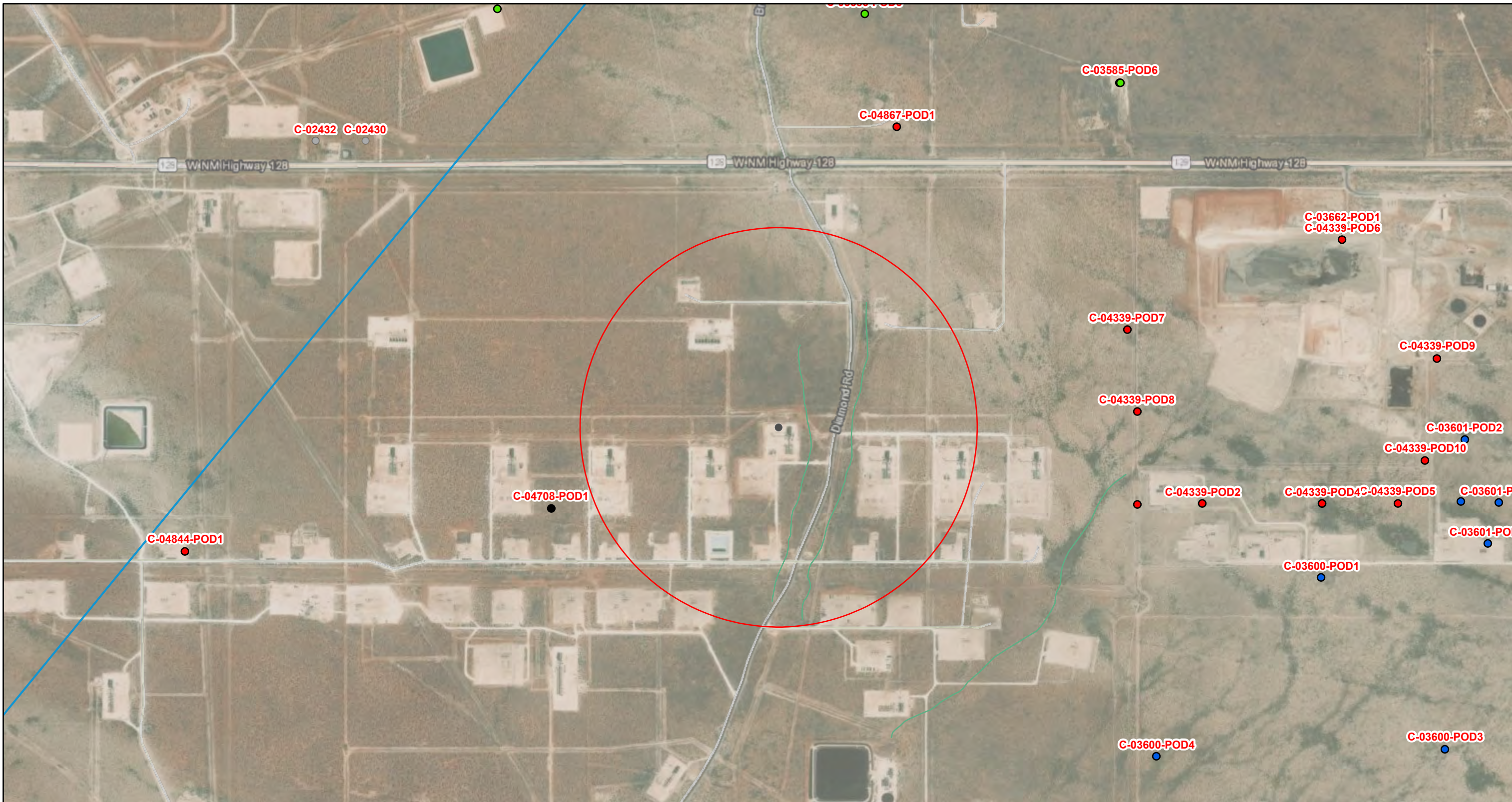
"-" indicates not analyzed/assessed

Strikethrough indicates wall samples that were excavated

Bold and grey shaded indicates exceedance outside of NMOCD Criteria (On-Pad)

APPENDIX A – Closure Criteria Research Documentation

OSE POD 0.5 miles

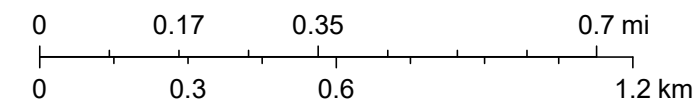


1/8/2025, 7:13:41 PM

GIS WATERS PODs

- Active ● Plugged Water Right Regulations NHD Flowlines
● Pending ● Closure Area — Stream River

1:18,056




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

Point of Diversion Summary

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

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
NA	C 04708 POD1	NW	SW	SE	21	24S	33E	634149.2	3563262.8	

* UTM location was derived from PLSS - see Help

Driller License:	1453	Driller Company:	HYDROTECH DRILLING	
Driller Name:	JOE SKAGGS			
Drill Start Date:	2023-03-23	Drill Finish Date:	2023-03-27	Plug Date:
Log File Date:	2023-06-23	PCW Rcv Date:		Source:
Pump Type:		Pipe Discharge Size:		Estimated Yield:
Casing Size:	3.00	Depth Well:	100	Depth Water:

Casing Perforations:

Top	Bottom
80	100

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



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

RECEIVED

2023 JUN -8 AM 9:17

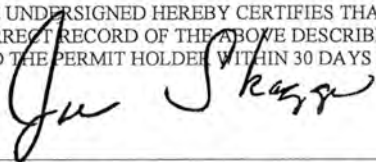
STATE ENGINEER OFFICE
LAS CRUCES, NEW MEXICO

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 32.	MINUTES 11	SECONDS 52.6	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84		
	LONGITUDE	103	34	36.3	W			
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. WD1453		NAME OF LICENSED DRILLER JOE SKAGGS			NAME OF WELL DRILLING COMPANY HYDROTECH DRILLING		
	DRILLING STARTED 03/23/2023		DRILLING ENDED 03/27/2023		DEPTH OF COMPLETED WELL (FT) 100		BORE HOLE DEPTH (FT) 100	
					DEPTH WATER FIRST ENCOUNTERED (FT) DRY HOLE			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) 0		
						DATE STATIC MEASURED 04/03/2023		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:						CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl)		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)
	FROM	TO						
	-2	80	8.75	Steel Blank	3.5 threaded collar	3	.250	
80	100	8.75	Steel	3.5 threaded collar	3	.250	.188	
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

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 Men 24.33.21.134	WELL TAG ID NO.	PAGE 1 OF 2

	DEPTH (feet bgl)		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)	
	FROM	TO					
4. HYDROGEOLOGIC LOG OF WELL	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		
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm):	
	<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input checked="" type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY:					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						
	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					5/24/2023	
SIGNATURE OF DRILLER / PRINT SIGNEE NAME					DATE		

FOR USE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 01/28/2022)	
FILE NO. C-4708-POD 1	POD NO. 1	TRN NO. 742706	
LOCATION man 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.

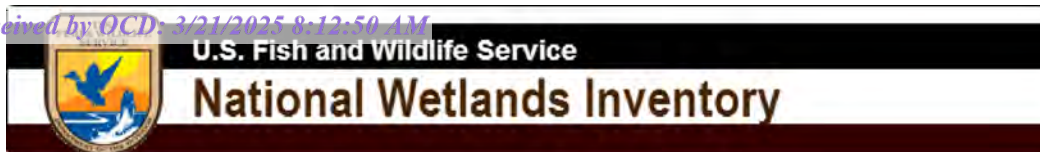
If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in cursive script, reading "Maret Thompson".

Maret Thompson
(575) 622-6521

drywell



Intermittent 275 feet



January 9, 2025

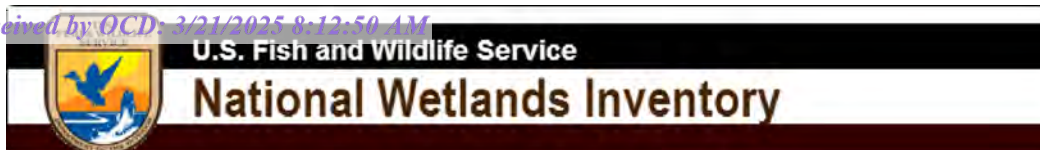
Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

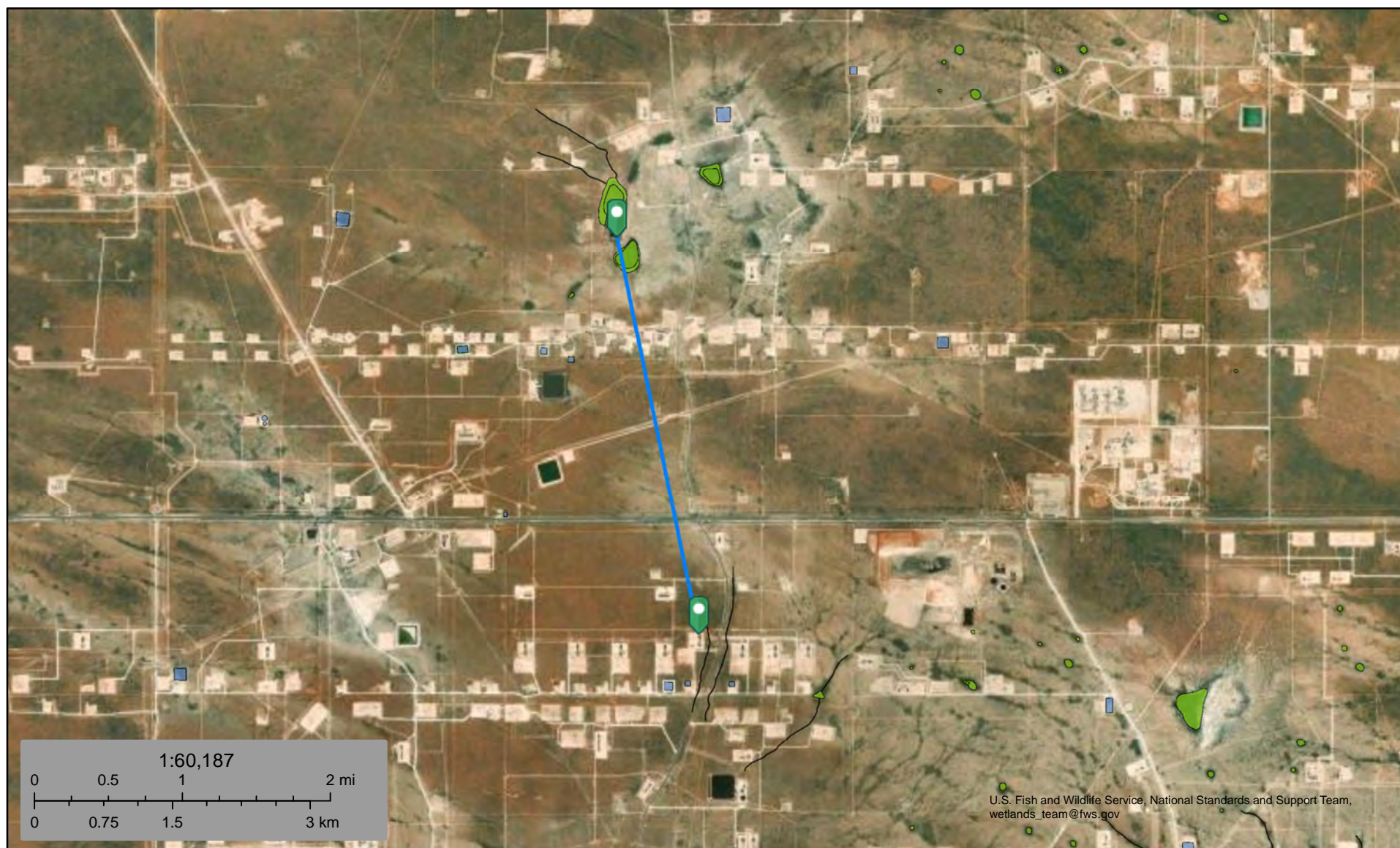
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- 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.



Pond 12,238 feet



January 9, 2025

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond




- Lake
- Other
- Riverine

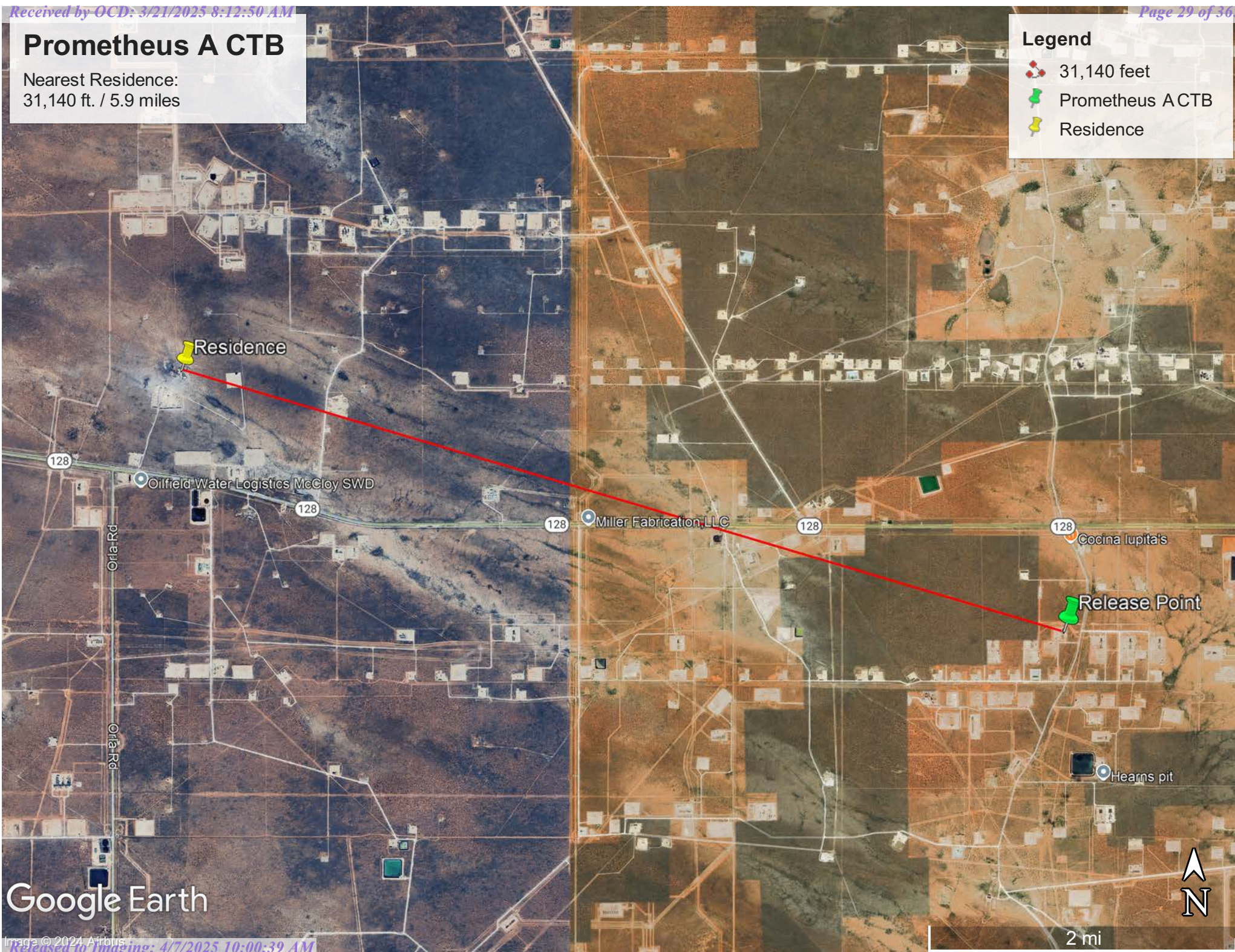
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Prometheus A CTB

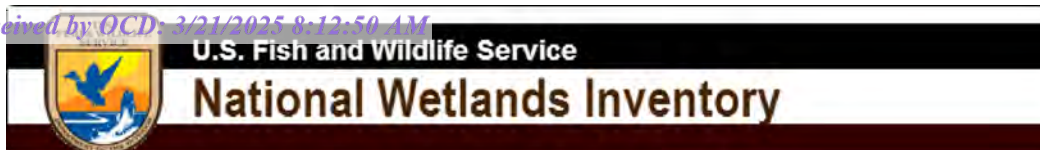
Nearest Residence:
31,140 ft. / 5.9 miles

Legend

-  31,140 feet
-  Prometheus A CTB
-  Residence



Google Earth



Wetland 3,877 feet



January 9, 2025

Wetlands

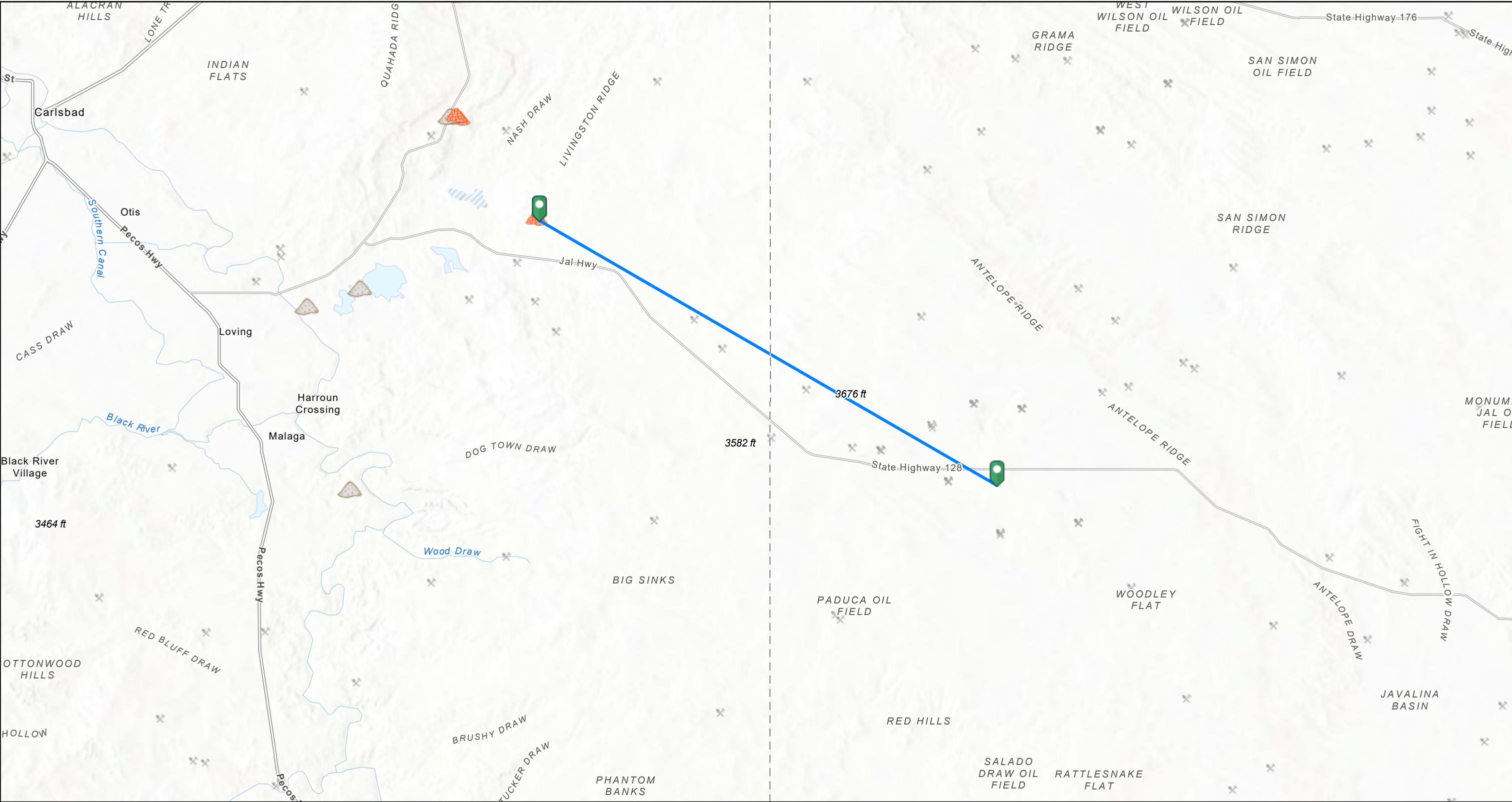
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- 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.

Potash Mine 112,000 feet

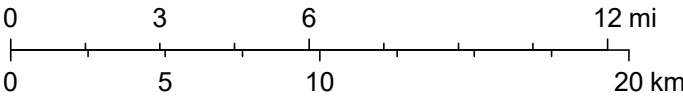


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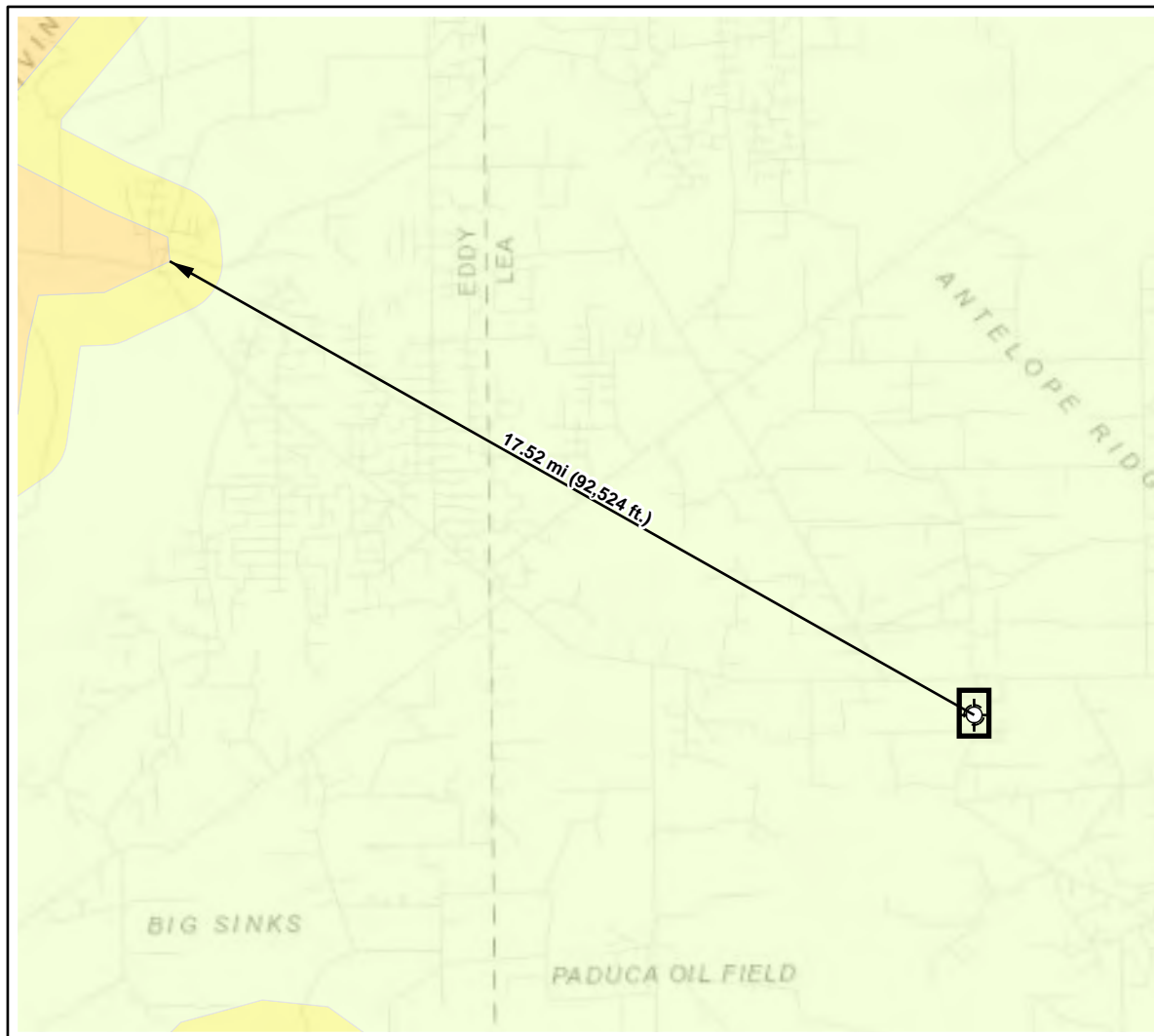
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Registered Mines

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



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



Karst Potential

- Critical
- High
- Medium
- Low



Site Location



Buffer Location (~1,000 ft.)

Overview Map

0 0.75 1.5 3 mi

Detail Map

0 150 300 600 ft



Map Center:
Lat/Long
32.201131°,-103.566657°

NAD 1983 UTM Zone 13N
Date: Jan 08/25



Karst Potential Map Prometheus A CTB

Figure:
X



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 2022; Overview Map: Esri World Topographic. Karst potential data sources 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.


Prometheus A CTB

Nearest FEMA Zone A:
63,629 ft. / 12.05 miles

Legend

-  Distance 63,629 ft
-  Prometheus A CTB

32.20064, -103.56664  Release Point

 Hearn's pit

Google Earth

4 mi



Custom Soil Resource Report

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

APPENDIX B – Daily Field Report

Daily Site Visit Report



Site Photos

Viewing Direction: East



Sample area for WS25-06

Viewing Direction: Northeast



Sample area for WS25-07

Viewing Direction: Northwest



Sample area for WS25-26 and BS25-49





Viewing Direction: Northeast



Sample area for BS25-28 and WS25-27

Daily Site Visit Report



<p>Viewing Direction: Southwest</p>  <p>Descriptive Photo - 5 Viewing Direction: Southwest Des: Excavation Created: 2/27/2025 2:40:32 PM Lat:32.200480, Long:-103.566840</p>	<p>Viewing Direction: Southwest</p>  <p>Descriptive Photo - 6 Viewing Direction: Southwest Des: Excavation Created: 2/27/2025 2:41:05 PM Lat:32.200480, Long:-103.566840</p>
Excavation	Excavation
<p>Viewing Direction: Southeast</p>  <p>Descriptive Photo - 7 Viewing Direction: Southeast Des: Excavation Created: 2/27/2025 2:41:38 PM Lat:32.200480, Long:-103.566840</p>	<p>Viewing Direction: East</p>  <p>Descriptive Photo - 8 Viewing Direction: East Des: Excavation Created: 2/27/2025 2:42:06 PM Lat:32.200480, Long:-103.566840</p>
Excavation	Excavation

Daily Site Visit Report



Viewing Direction: Northeast



Excavation

Viewing Direction: North



Excavation

APPENDIX C – Laboratory Data Report and Chain of Custody Form

Sample Summary

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 01/10/25 15:35
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH25-01 4'	E501037-01A	Soil	01/06/25	01/08/25	Glass Jar, 2 oz.
BH25-02 4'	E501037-02A	Soil	01/06/25	01/08/25	Glass Jar, 2 oz.
BH25-02 6'	E501037-03A	Soil	01/06/25	01/08/25	Glass Jar, 2 oz.
BH25-03 4'	E501037-04A	Soil	01/06/25	01/08/25	Glass Jar, 2 oz.
BH25-04 4'	E501037-05A	Soil	01/06/25	01/08/25	Glass Jar, 2 oz.
BH25-05 0'	E501037-06A	Soil	01/06/25	01/08/25	Glass Jar, 2 oz.
BH25-05 2'	E501037-07A	Soil	01/06/25	01/08/25	Glass Jar, 2 oz.
BH25-06 0'	E501037-08A	Soil	01/06/25	01/08/25	Glass Jar, 2 oz.
BH25-06 2'	E501037-09A	Soil	01/06/25	01/08/25	Glass Jar, 2 oz.
BH25-07 0'	E501037-10A	Soil	01/06/25	01/08/25	Glass Jar, 2 oz.
BH25-07 2'	E501037-11A	Soil	01/06/25	01/08/25	Glass Jar, 2 oz.
BH25-08 0'	E501037-12A	Soil	01/06/25	01/08/25	Glass Jar, 2 oz.
BH25-08 2'	E501037-13A	Soil	01/06/25	01/08/25	Glass Jar, 2 oz.
BH25-09 0'	E501037-14A	Soil	01/06/25	01/08/25	Glass Jar, 2 oz.
BH25-09 2'	E501037-15A	Soil	01/06/25	01/08/25	Glass Jar, 2 oz.
BH25-10 0'	E501037-16A	Soil	01/06/25	01/08/25	Glass Jar, 2 oz.
BH25-10 2'	E501037-17A	Soil	01/06/25	01/08/25	Glass Jar, 2 oz.



Sample Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 1/10/2025 3:35:40PM
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BH25-01 4'

E501037-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2502042	
Benzene	ND	0.0250	1	01/08/25	01/08/25	
Ethylbenzene	ND	0.0250	1	01/08/25	01/08/25	
Toluene	ND	0.0250	1	01/08/25	01/08/25	
o-Xylene	ND	0.0250	1	01/08/25	01/08/25	
p,m-Xylene	ND	0.0500	1	01/08/25	01/08/25	
Total Xylenes	ND	0.0250	1	01/08/25	01/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.0 %	70-130	01/08/25	01/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2502042	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/08/25	01/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.8 %	70-130	01/08/25	01/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2502046	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/08/25	01/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/08/25	01/08/25	
<i>Surrogate: n-Nonane</i>		117 %	50-200	01/08/25	01/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2502057	
Chloride	90.3	20.0	1	01/08/25	01/08/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
1/10/2025 3:35:40PM

BH25-02 4'

E501037-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502042
Benzene	ND	0.0250	1	01/08/25	01/08/25	
Ethylbenzene	ND	0.0250	1	01/08/25	01/08/25	
Toluene	ND	0.0250	1	01/08/25	01/08/25	
o-Xylene	ND	0.0250	1	01/08/25	01/08/25	
p,m-Xylene	ND	0.0500	1	01/08/25	01/08/25	
Total Xylenes	ND	0.0250	1	01/08/25	01/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.0 %	70-130		01/08/25	01/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502042
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/08/25	01/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.1 %	70-130		01/08/25	01/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2502046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/08/25	01/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/08/25	01/08/25	
<i>Surrogate: n-Nonane</i>						
	114 %	50-200		01/08/25	01/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2502057
Chloride	568	20.0	1	01/08/25	01/08/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
1/10/2025 3:35:40PM

BH25-02 6'

E501037-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502042
Benzene	ND	0.0250	1	01/08/25	01/08/25	
Ethylbenzene	ND	0.0250	1	01/08/25	01/08/25	
Toluene	ND	0.0250	1	01/08/25	01/08/25	
o-Xylene	ND	0.0250	1	01/08/25	01/08/25	
p,m-Xylene	ND	0.0500	1	01/08/25	01/08/25	
Total Xylenes	ND	0.0250	1	01/08/25	01/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.2 %	70-130		01/08/25	01/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502042
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/08/25	01/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.3 %	70-130		01/08/25	01/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2502046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/08/25	01/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/08/25	01/08/25	
<i>Surrogate: n-Nonane</i>						
	116 %	50-200		01/08/25	01/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2502057
Chloride	261	20.0	1	01/08/25	01/08/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
1/10/2025 3:35:40PM

BH25-03 4'

E501037-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502042
Benzene	ND	0.0250	1	01/08/25	01/08/25	
Ethylbenzene	ND	0.0250	1	01/08/25	01/08/25	
Toluene	ND	0.0250	1	01/08/25	01/08/25	
o-Xylene	ND	0.0250	1	01/08/25	01/08/25	
p,m-Xylene	ND	0.0500	1	01/08/25	01/08/25	
Total Xylenes	ND	0.0250	1	01/08/25	01/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.8 %	70-130		01/08/25	01/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502042
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/08/25	01/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.7 %	70-130		01/08/25	01/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2502046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/08/25	01/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/08/25	01/08/25	
<i>Surrogate: n-Nonane</i>						
	117 %	50-200		01/08/25	01/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2502057
Chloride	237	20.0	1	01/08/25	01/08/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
1/10/2025 3:35:40PM

BH25-04 4'

E501037-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502042
Benzene	ND	0.0250	1	01/08/25	01/09/25	
Ethylbenzene	ND	0.0250	1	01/08/25	01/09/25	
Toluene	ND	0.0250	1	01/08/25	01/09/25	
o-Xylene	ND	0.0250	1	01/08/25	01/09/25	
p,m-Xylene	ND	0.0500	1	01/08/25	01/09/25	
Total Xylenes	ND	0.0250	1	01/08/25	01/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.0 %	70-130		01/08/25	01/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502042
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/08/25	01/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.1 %	70-130		01/08/25	01/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2502046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/08/25	01/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/08/25	01/08/25	
<i>Surrogate: n-Nonane</i>						
	114 %	50-200		01/08/25	01/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2502057
Chloride	47.8	20.0	1	01/08/25	01/08/25	



Sample Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 1/10/2025 3:35:40PM
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BH25-05 0'
E501037-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2502042	
Benzene	ND	0.0250	1	01/08/25	01/09/25	
Ethylbenzene	ND	0.0250	1	01/08/25	01/09/25	
Toluene	ND	0.0250	1	01/08/25	01/09/25	
o-Xylene	ND	0.0250	1	01/08/25	01/09/25	
p,m-Xylene	ND	0.0500	1	01/08/25	01/09/25	
Total Xylenes	ND	0.0250	1	01/08/25	01/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.7 %	70-130		01/08/25	01/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2502042	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/08/25	01/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.0 %	70-130		01/08/25	01/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2502046	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/08/25	01/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/08/25	01/08/25	
<i>Surrogate: n-Nonane</i>						
	114 %	50-200		01/08/25	01/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2502057	
Chloride	29.2	20.0	1	01/08/25	01/08/25	



Sample Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 1/10/2025 3:35:40PM
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BH25-05 2'
E501037-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2502042	
Benzene	ND	0.0250	1	01/08/25	01/08/25	
Ethylbenzene	ND	0.0250	1	01/08/25	01/08/25	
Toluene	ND	0.0250	1	01/08/25	01/08/25	
o-Xylene	ND	0.0250	1	01/08/25	01/08/25	
p,m-Xylene	ND	0.0500	1	01/08/25	01/08/25	
Total Xylenes	ND	0.0250	1	01/08/25	01/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.5 %	70-130		01/08/25	01/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2502042	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/08/25	01/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.6 %	70-130		01/08/25	01/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2502046	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/08/25	01/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/08/25	01/08/25	
<i>Surrogate: n-Nonane</i>						
	114 %	50-200		01/08/25	01/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2502057	
Chloride	ND	20.0	1	01/08/25	01/08/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
1/10/2025 3:35:40PM

BH25-06 0'

E501037-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502042
Benzene	ND	0.0250	1	01/08/25	01/09/25	
Ethylbenzene	ND	0.0250	1	01/08/25	01/09/25	
Toluene	ND	0.0250	1	01/08/25	01/09/25	
o-Xylene	ND	0.0250	1	01/08/25	01/09/25	
p,m-Xylene	ND	0.0500	1	01/08/25	01/09/25	
Total Xylenes	ND	0.0250	1	01/08/25	01/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.2 %	70-130		01/08/25	01/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502042
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/08/25	01/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.0 %	70-130		01/08/25	01/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2502046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/08/25	01/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/08/25	01/08/25	
<i>Surrogate: n-Nonane</i>						
	116 %	50-200		01/08/25	01/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2502057
Chloride	59.1	20.0	1	01/08/25	01/08/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
1/10/2025 3:35:40PM

BH25-06 2'

E501037-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502042
Benzene	ND	0.0250	1	01/08/25	01/09/25	
Ethylbenzene	ND	0.0250	1	01/08/25	01/09/25	
Toluene	ND	0.0250	1	01/08/25	01/09/25	
o-Xylene	ND	0.0250	1	01/08/25	01/09/25	
p,m-Xylene	ND	0.0500	1	01/08/25	01/09/25	
Total Xylenes	ND	0.0250	1	01/08/25	01/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.8 %	70-130		01/08/25	01/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502042
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/08/25	01/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.6 %	70-130		01/08/25	01/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2502046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/08/25	01/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/08/25	01/08/25	
<i>Surrogate: n-Nonane</i>						
	120 %	50-200		01/08/25	01/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2502057
Chloride	ND	20.0	1	01/08/25	01/08/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
1/10/2025 3:35:40PM

BH25-07 0'

E501037-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502042
Benzene	ND	0.0250	1	01/08/25	01/09/25	
Ethylbenzene	ND	0.0250	1	01/08/25	01/09/25	
Toluene	ND	0.0250	1	01/08/25	01/09/25	
o-Xylene	ND	0.0250	1	01/08/25	01/09/25	
p,m-Xylene	ND	0.0500	1	01/08/25	01/09/25	
Total Xylenes	ND	0.0250	1	01/08/25	01/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.9 %	70-130		01/08/25	01/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502042
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/08/25	01/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.2 %	70-130		01/08/25	01/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2502046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/08/25	01/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/08/25	01/08/25	
<i>Surrogate: n-Nonane</i>						
	117 %	50-200		01/08/25	01/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2502057
Chloride	ND	20.0	1	01/08/25	01/08/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
1/10/2025 3:35:40PM

BH25-07 2'

E501037-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502042
Benzene	ND	0.0250	1	01/08/25	01/09/25	
Ethylbenzene	ND	0.0250	1	01/08/25	01/09/25	
Toluene	ND	0.0250	1	01/08/25	01/09/25	
o-Xylene	ND	0.0250	1	01/08/25	01/09/25	
p,m-Xylene	ND	0.0500	1	01/08/25	01/09/25	
Total Xylenes	ND	0.0250	1	01/08/25	01/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.2 %	70-130		01/08/25	01/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502042
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/08/25	01/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.0 %	70-130		01/08/25	01/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2502046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/08/25	01/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/08/25	01/09/25	
<i>Surrogate: n-Nonane</i>						
	119 %	50-200		01/08/25	01/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2502057
Chloride	37.8	20.0	1	01/08/25	01/08/25	



Sample Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 1/10/2025 3:35:40PM
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BH25-08 0'
E501037-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502042
Benzene	ND	0.0250	1	01/08/25	01/09/25	
Ethylbenzene	ND	0.0250	1	01/08/25	01/09/25	
Toluene	ND	0.0250	1	01/08/25	01/09/25	
o-Xylene	ND	0.0250	1	01/08/25	01/09/25	
p,m-Xylene	ND	0.0500	1	01/08/25	01/09/25	
Total Xylenes	ND	0.0250	1	01/08/25	01/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.9 %	70-130		01/08/25	01/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502042
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/08/25	01/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.8 %	70-130		01/08/25	01/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2502046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/08/25	01/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/08/25	01/09/25	
<i>Surrogate: n-Nonane</i>						
	117 %	50-200		01/08/25	01/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2502057
Chloride	ND	20.0	1	01/08/25	01/08/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
1/10/2025 3:35:40PM

BH25-08 2'

E501037-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502042
Benzene	ND	0.0250	1	01/08/25	01/09/25	
Ethylbenzene	ND	0.0250	1	01/08/25	01/09/25	
Toluene	ND	0.0250	1	01/08/25	01/09/25	
o-Xylene	ND	0.0250	1	01/08/25	01/09/25	
p,m-Xylene	ND	0.0500	1	01/08/25	01/09/25	
Total Xylenes	ND	0.0250	1	01/08/25	01/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.5 %	70-130		01/08/25	01/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502042
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/08/25	01/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.4 %	70-130		01/08/25	01/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2502046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/08/25	01/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/08/25	01/09/25	
<i>Surrogate: n-Nonane</i>						
	115 %	50-200		01/08/25	01/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2502057
Chloride	ND	20.0	1	01/08/25	01/08/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
1/10/2025 3:35:40PM

BH25-09 0'

E501037-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502042
Benzene	ND	0.0250	1	01/08/25	01/09/25	
Ethylbenzene	ND	0.0250	1	01/08/25	01/09/25	
Toluene	ND	0.0250	1	01/08/25	01/09/25	
o-Xylene	ND	0.0250	1	01/08/25	01/09/25	
p,m-Xylene	ND	0.0500	1	01/08/25	01/09/25	
Total Xylenes	ND	0.0250	1	01/08/25	01/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.8 %	70-130		01/08/25	01/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502042
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/08/25	01/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.5 %	70-130		01/08/25	01/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2502046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/08/25	01/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/08/25	01/09/25	
<i>Surrogate: n-Nonane</i>						
	117 %	50-200		01/08/25	01/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2502057
Chloride	ND	20.0	1	01/08/25	01/08/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
1/10/2025 3:35:40PM

BH25-09 2'

E501037-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502042
Benzene	ND	0.0250	1	01/08/25	01/09/25	
Ethylbenzene	ND	0.0250	1	01/08/25	01/09/25	
Toluene	ND	0.0250	1	01/08/25	01/09/25	
o-Xylene	ND	0.0250	1	01/08/25	01/09/25	
p,m-Xylene	ND	0.0500	1	01/08/25	01/09/25	
Total Xylenes	ND	0.0250	1	01/08/25	01/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.6 %	70-130		01/08/25	01/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502042
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/08/25	01/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.1 %	70-130		01/08/25	01/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2502046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/08/25	01/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/08/25	01/09/25	
<i>Surrogate: n-Nonane</i>						
	117 %	50-200		01/08/25	01/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2502057
Chloride	ND	20.0	1	01/08/25	01/08/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
1/10/2025 3:35:40PM

BH25-10 0'

E501037-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502042
Benzene	ND	0.0250	1	01/08/25	01/09/25	
Ethylbenzene	ND	0.0250	1	01/08/25	01/09/25	
Toluene	ND	0.0250	1	01/08/25	01/09/25	
o-Xylene	ND	0.0250	1	01/08/25	01/09/25	
p,m-Xylene	ND	0.0500	1	01/08/25	01/09/25	
Total Xylenes	ND	0.0250	1	01/08/25	01/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.9 %	70-130		01/08/25	01/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502042
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/08/25	01/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.5 %	70-130		01/08/25	01/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2502046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/08/25	01/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/08/25	01/09/25	
<i>Surrogate: n-Nonane</i>						
	117 %	50-200		01/08/25	01/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2502057
Chloride	26.3	20.0	1	01/08/25	01/08/25	



Sample Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 1/10/2025 3:35:40PM
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BH25-10 2'
E501037-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2502042	
Benzene	ND	0.0250	1	01/08/25	01/09/25	
Ethylbenzene	ND	0.0250	1	01/08/25	01/09/25	
Toluene	ND	0.0250	1	01/08/25	01/09/25	
o-Xylene	ND	0.0250	1	01/08/25	01/09/25	
p,m-Xylene	ND	0.0500	1	01/08/25	01/09/25	
Total Xylenes	ND	0.0250	1	01/08/25	01/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.2 %	70-130		01/08/25	01/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2502042	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/08/25	01/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.8 %	70-130		01/08/25	01/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2502046	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/08/25	01/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/08/25	01/09/25	
<i>Surrogate: n-Nonane</i>						
	119 %	50-200		01/08/25	01/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2502057	
Chloride	ND	20.0	1	01/08/25	01/08/25	



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 1/10/2025 3:35:40PM
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2502042-BLK1) Prepared: 01/08/25 Analyzed: 01/08/25

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	7.64		8.00		95.5	70-130			

LCS (2502042-BS1) Prepared: 01/08/25 Analyzed: 01/09/25

Benzene	5.06	0.0250	5.00		101	70-130			
Ethylbenzene	4.91	0.0250	5.00		98.2	70-130			
Toluene	5.01	0.0250	5.00		100	70-130			
o-Xylene	4.89	0.0250	5.00		97.8	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	14.9	0.0250	15.0		99.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.00		8.00		87.4	70-130			

Matrix Spike (2502042-MS1) Source: E501037-07 Prepared: 01/08/25 Analyzed: 01/08/25

Benzene	5.40	0.0250	5.00	ND	108	54-133			
Ethylbenzene	5.19	0.0250	5.00	ND	104	61-133			
Toluene	5.32	0.0250	5.00	ND	106	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	7.47		8.00		93.4	70-130			

Matrix Spike Dup (2502042-MSD1) Source: E501037-07 Prepared: 01/08/25 Analyzed: 01/08/25

Benzene	4.67	0.0250	5.00	ND	93.4	54-133	14.4	20	
Ethylbenzene	4.50	0.0250	5.00	ND	90.0	61-133	14.3	20	
Toluene	4.60	0.0250	5.00	ND	92.0	61-130	14.5	20	
o-Xylene	4.50	0.0250	5.00	ND	90.0	63-131	14.8	20	
p,m-Xylene	9.17	0.0500	10.0	ND	91.7	63-131	14.1	20	
Total Xylenes	13.7	0.0250	15.0	ND	91.1	63-131	14.3	20	
Surrogate: 4-Bromochlorobenzene-PID	7.43		8.00		92.9	70-130			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 1/10/2025 3:35:40PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2502042-BLK1)					Prepared: 01/08/25 Analyzed: 01/08/25				
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.1	70-130			

LCS (2502042-BS2)					Prepared: 01/08/25 Analyzed: 01/08/25				
Gasoline Range Organics (C6-C10)	48.2	20.0	50.0		96.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.8	70-130			

Matrix Spike (2502042-MS2)					Source: E501037-07		Prepared: 01/08/25 Analyzed: 01/08/25		
Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			

Matrix Spike Dup (2502042-MSD2)					Source: E501037-07		Prepared: 01/08/25 Analyzed: 01/08/25		
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.6	70-130	2.03	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.8	70-130			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 1/10/2025 3:35:40PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2502046-BLK1)					Prepared: 01/08/25 Analyzed: 01/08/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.5		50.0		111	50-200			

LCS (2502046-BS1)					Prepared: 01/08/25 Analyzed: 01/08/25				
Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
Surrogate: n-Nonane	55.4		50.0		111	50-200			

Matrix Spike (2502046-MS1)					Source: E501037-12		Prepared: 01/08/25 Analyzed: 01/08/25		
Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	38-132			
Surrogate: n-Nonane	57.7		50.0		115	50-200			

Matrix Spike Dup (2502046-MSD1)					Source: E501037-12		Prepared: 01/08/25 Analyzed: 01/08/25		
Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	38-132	1.73	20	
Surrogate: n-Nonane	57.1		50.0		114	50-200			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 1/10/2025 3:35:40PM
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Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2502057-BLK1)					Prepared: 01/08/25 Analyzed: 01/08/25				
Chloride	ND	20.0							
LCS (2502057-BS1)					Prepared: 01/08/25 Analyzed: 01/08/25				
Chloride	254	20.0	250		101	90-110			
Matrix Spike (2502057-MS1)					Source: E501037-07		Prepared: 01/08/25 Analyzed: 01/08/25		
Chloride	262	20.0	250	ND	105	80-120			
Matrix Spike Dup (2502057-MSD1)					Source: E501037-07		Prepared: 01/08/25 Analyzed: 01/08/25		
Chloride	263	20.0	250	ND	105	80-120	0.637	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 A CTB	
3101 Boyd Drive	Project Number:	24015-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	01/10/25 15:35

- 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 Information				Invoice Information				Lab Use Only				TAT				State					
Client: Vertex (bill direct to Tap Rock)				Company: Tap Rock (Bill Ramsay)				Lab WO#		Job Number		1D		2D		3D		Std			
Project Name: Prometheus A CTB				Address:				E 501037		24015-001								X			
Project Manager: Chance Dixon				City, State, Zip:																	
Project Number: 25E-00027				Phone:																	
Email:				Email:																	
cdixon@vertexresource.com,				Miscellaneous: Direct bill to Tap Rock ATTN:																	
LPullman@vertexresource.com,				Bill Ramsay.																	
permain@vertexresource.com																					
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		
10:40	01.06.2025	Soil	1	BH25-01 4'		1	X	X	X		X										
10:55	01.06.2025	Soil	1	BH25-02 4'		2	X	X	X		X										
12:45	01.06.2025	Soil	1	BH25-02 6'		3	X	X	X		X										
11:10	01.06.2025	Soil	1	BH25-03 4'		4	X	X	X		X										
11:25	01.06.2025	Soil	1	BH25-04 4'		5	X	X	X		X										
13:00	01.06.2025	Soil	1	BH25-05 0'		6	X	X	X		X										
13:05	01.06.2025	Soil	1	BH25-05 2'		7	X	X	X		X										
13:10	01.06.2025	Soil	1	BH25-06 0'		8	X	X	X		X										
13:15	01.06.2025	Soil	1	BH25-06 2'		9	X	X	X		X										
13:20	01.06.2025	Soil	1	BH25-07 0'		10	X	X	X		X										
Additional Instructions: Direct bill to Tap Rock ATTN: Bill Ramsay. Please email final report to cdixon@vertexresource.com, permain@vertexresource.com																					
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: L. Pullman																					
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____		Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 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.																					

Client Information				Invoice Information				Lab Use Only				TAT				State							
Client: Vertex (bill direct to Tap Rock)				Company: Tap Rock (Bill Ramsay)				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: Prometheus A CTB				Address:				E501037		2405-0001					X								
Project Manager: Chance Dixon				City, State, Zip:																			
Project Number: 25E-00027				Phone:																			
Email:				Email:																			
cdixon@vertexresource.com,				Miscellaneous: Direct bill to Tap Rock ATTN:																			
LPullman@vertexresource.com,				Bill Ramsay.																			
permain@vertexresource.com																							
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						
13:25	01.06.2025	Soil	1	BH25-07 2'		11	X	X	X		X												
13:30	01.06.2025	Soil	1	BH25-08 0'		12	X	X	X		X												
13:35	01.06.2025	Soil	1	BH25-08 2'		13	X	X	X		X												
13:40	01.06.2025	Soil	1	BH25-09 0'		14	X	X	X		X												
13:45	01.06.2025	Soil	1	BH25-09 2'		15	X	X	X		X												
13:50	01.06.2025	Soil	1	BH25-10 0'		16	X	X	X		X												
13:55	01.06.2025	Soil	1	BH25-10 2'		17	X	X	X		X												
Additional Instructions: Direct bill to Tap Rock ATTN: Bill Ramsay. Please email final report to cdixon@vertexresource.com, permain@vertexresource.com																							
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: L. Pullman																							
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 6° but less than 6° C on subsequent days											
L. Pullman		1-7-2025		06:00		Michelle Gonzales		1-7-25		06:00													
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only											
Michelle Gonzales		1-7-25		1550		L. Pullman		1-7-25		16:00		Received on ice: <input checked="" type="radio"/> N											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 _____ T2 _____ T3 _____											
L. Pullman		1-7-25		22:00		Caitlin Mann		1-8-25		7:15		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.																							

Envirotech Analytical Laboratory

Printed: 1/8/2025 8:31:03AM

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:	01/08/25 07:15	Work Order ID:	E501037
Phone:	(575) 748-0176	Date Logged In:	01/07/25 14:59	Logged In By:	Caitlin Mars
Email:	cdixon@vertexresource.com	Due Date:	01/14/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Sample Summary

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 01/14/25 10:42
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH25-01 0.5'	E501058-01A	Soil	01/06/25	01/10/25	Glass Jar, 4 oz.
BH25-02 0.5'	E501058-02A	Soil	01/06/25	01/10/25	Glass Jar, 4 oz.
BH25-02 2'	E501058-03A	Soil	01/06/25	01/10/25	Glass Jar, 4 oz.
BH25-03 0.5'	E501058-04A	Soil	01/06/25	01/10/25	Glass Jar, 4 oz.
BH25-04 0.5'	E501058-05A	Soil	01/06/25	01/10/25	Glass Jar, 4 oz.
BH25-13 0.5'	E501058-06A	Soil	01/07/25	01/10/25	Glass Jar, 4 oz.
BH25-15 0'	E501058-07A	Soil	01/08/25	01/10/25	Glass Jar, 4 oz.
BH25-15 2'	E501058-08A	Soil	01/08/25	01/10/25	Glass Jar, 4 oz.
BH25-16 0'	E501058-09A	Soil	01/08/25	01/10/25	Glass Jar, 4 oz.
BH25-16 2'	E501058-10A	Soil	01/08/25	01/10/25	Glass Jar, 4 oz.



Sample Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 1/14/2025 10:42:07AM
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BH25-01 0.5'

E501058-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2502101	
Benzene	ND	0.0250	1	01/10/25	01/11/25	
Ethylbenzene	ND	0.0250	1	01/10/25	01/11/25	
Toluene	ND	0.0250	1	01/10/25	01/11/25	
o-Xylene	ND	0.0250	1	01/10/25	01/11/25	
p,m-Xylene	ND	0.0500	1	01/10/25	01/11/25	
Total Xylenes	ND	0.0250	1	01/10/25	01/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	86.4 %	70-130		01/10/25	01/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2502101	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/25	01/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	92.3 %	70-130		01/10/25	01/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2502102	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/10/25	01/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/10/25	01/10/25	
<i>Surrogate: n-Nonane</i>	111 %	50-200		01/10/25	01/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2502106	
Chloride	10700	200	10	01/10/25	01/11/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
1/14/2025 10:42:07AM

BH25-02 0.5'

E501058-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2502101
Benzene	ND	0.0250	1	01/10/25	01/11/25	
Ethylbenzene	ND	0.0250	1	01/10/25	01/11/25	
Toluene	ND	0.0250	1	01/10/25	01/11/25	
o-Xylene	ND	0.0250	1	01/10/25	01/11/25	
p,m-Xylene	ND	0.0500	1	01/10/25	01/11/25	
Total Xylenes	ND	0.0250	1	01/10/25	01/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.8 %	70-130		01/10/25	01/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2502101
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/25	01/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.6 %	70-130		01/10/25	01/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2502102
Diesel Range Organics (C10-C28)	ND	25.0	1	01/10/25	01/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/10/25	01/10/25	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		01/10/25	01/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2502106
Chloride	16300	400	20	01/10/25	01/13/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
1/14/2025 10:42:07AM

BH25-02 2'

E501058-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2502101
Benzene	ND	0.0250	1	01/10/25	01/11/25	
Ethylbenzene	ND	0.0250	1	01/10/25	01/11/25	
Toluene	ND	0.0250	1	01/10/25	01/11/25	
o-Xylene	ND	0.0250	1	01/10/25	01/11/25	
p,m-Xylene	ND	0.0500	1	01/10/25	01/11/25	
Total Xylenes	ND	0.0250	1	01/10/25	01/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.3 %	70-130		01/10/25	01/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2502101
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/25	01/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.4 %	70-130		01/10/25	01/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2502102
Diesel Range Organics (C10-C28)	ND	25.0	1	01/10/25	01/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/10/25	01/10/25	
<i>Surrogate: n-Nonane</i>						
	115 %	50-200		01/10/25	01/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2502106
Chloride	992	200	10	01/10/25	01/11/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
1/14/2025 10:42:07AM

BH25-03 0.5'

E501058-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2502101
Benzene	ND	0.0250	1	01/10/25	01/11/25	
Ethylbenzene	ND	0.0250	1	01/10/25	01/11/25	
Toluene	ND	0.0250	1	01/10/25	01/11/25	
o-Xylene	ND	0.0250	1	01/10/25	01/11/25	
p,m-Xylene	ND	0.0500	1	01/10/25	01/11/25	
Total Xylenes	ND	0.0250	1	01/10/25	01/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.7 %	70-130		01/10/25	01/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2502101
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/25	01/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.5 %	70-130		01/10/25	01/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2502102
Diesel Range Organics (C10-C28)	192	25.0	1	01/10/25	01/10/25	
Oil Range Organics (C28-C36)	122	50.0	1	01/10/25	01/10/25	
<i>Surrogate: n-Nonane</i>						
	114 %	50-200		01/10/25	01/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2502106
Chloride	16000	200	10	01/10/25	01/11/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
1/14/2025 10:42:07AM

BH25-04 0.5'

E501058-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2502101	
Benzene	ND	0.0250	1	01/10/25	01/11/25	
Ethylbenzene	ND	0.0250	1	01/10/25	01/11/25	
Toluene	ND	0.0250	1	01/10/25	01/11/25	
o-Xylene	ND	0.0250	1	01/10/25	01/11/25	
p,m-Xylene	ND	0.0500	1	01/10/25	01/11/25	
Total Xylenes	ND	0.0250	1	01/10/25	01/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	86.6 %	70-130		01/10/25	01/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2502101	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/25	01/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	92.0 %	70-130		01/10/25	01/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2502102	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/10/25	01/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/10/25	01/10/25	
<i>Surrogate: n-Nonane</i>	112 %	50-200		01/10/25	01/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2502106	
Chloride	15400	200	10	01/10/25	01/11/25	



Sample Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 1/14/2025 10:42:07AM
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BH25-13 0.5'
E501058-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2502101	
Benzene	ND	0.0250	1	01/10/25	01/11/25	
Ethylbenzene	ND	0.0250	1	01/10/25	01/11/25	
Toluene	ND	0.0250	1	01/10/25	01/11/25	
o-Xylene	ND	0.0250	1	01/10/25	01/11/25	
p,m-Xylene	ND	0.0500	1	01/10/25	01/11/25	
Total Xylenes	ND	0.0250	1	01/10/25	01/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.1 %	70-130		01/10/25	01/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2502101	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/25	01/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.1 %	70-130		01/10/25	01/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2502102	
Diesel Range Organics (C10-C28)	29.8	25.0	1	01/10/25	01/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/10/25	01/10/25	
<i>Surrogate: n-Nonane</i>						
	115 %	50-200		01/10/25	01/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2502106	
Chloride	9920	200	10	01/10/25	01/11/25	



Sample Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 1/14/2025 10:42:07AM
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BH25-15 0'
E501058-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2502101	
Benzene	ND	0.0250	1	01/10/25	01/11/25	
Ethylbenzene	ND	0.0250	1	01/10/25	01/11/25	
Toluene	ND	0.0250	1	01/10/25	01/11/25	
o-Xylene	ND	0.0250	1	01/10/25	01/11/25	
p,m-Xylene	ND	0.0500	1	01/10/25	01/11/25	
Total Xylenes	ND	0.0250	1	01/10/25	01/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.4 %	70-130		01/10/25	01/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2502101	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/25	01/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.1 %	70-130		01/10/25	01/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2502102	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/10/25	01/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/10/25	01/10/25	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		01/10/25	01/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2502106	
Chloride	ND	20.0	1	01/10/25	01/11/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
1/14/2025 10:42:07AM

BH25-15 2'

E501058-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2502101	
Benzene	ND	0.0250	1	01/10/25	01/11/25	
Ethylbenzene	ND	0.0250	1	01/10/25	01/11/25	
Toluene	ND	0.0250	1	01/10/25	01/11/25	
o-Xylene	ND	0.0250	1	01/10/25	01/11/25	
p,m-Xylene	ND	0.0500	1	01/10/25	01/11/25	
Total Xylenes	ND	0.0250	1	01/10/25	01/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.9 %	70-130		01/10/25	01/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2502101	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/25	01/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.6 %	70-130		01/10/25	01/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2502102	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/10/25	01/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/10/25	01/10/25	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		01/10/25	01/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2502106	
Chloride	ND	20.0	1	01/10/25	01/11/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
1/14/2025 10:42:07AM

BH25-16 0'

E501058-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2502101	
Benzene	ND	0.0250	1	01/10/25	01/11/25	
Ethylbenzene	ND	0.0250	1	01/10/25	01/11/25	
Toluene	ND	0.0250	1	01/10/25	01/11/25	
o-Xylene	ND	0.0250	1	01/10/25	01/11/25	
p,m-Xylene	ND	0.0500	1	01/10/25	01/11/25	
Total Xylenes	ND	0.0250	1	01/10/25	01/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	88.4 %	70-130		01/10/25	01/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2502101	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/25	01/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	95.6 %	70-130		01/10/25	01/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2502102	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/10/25	01/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/10/25	01/10/25	
<i>Surrogate: n-Nonane</i>	113 %	50-200		01/10/25	01/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2502106	
Chloride	58.2	20.0	1	01/10/25	01/11/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
1/14/2025 10:42:07AM

BH25-16 2'

E501058-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2502101
Benzene	ND	0.0250	1	01/10/25	01/11/25	
Ethylbenzene	ND	0.0250	1	01/10/25	01/11/25	
Toluene	ND	0.0250	1	01/10/25	01/11/25	
o-Xylene	ND	0.0250	1	01/10/25	01/11/25	
p,m-Xylene	ND	0.0500	1	01/10/25	01/11/25	
Total Xylenes	ND	0.0250	1	01/10/25	01/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.5 %	70-130		01/10/25	01/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2502101
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/25	01/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.1 %	70-130		01/10/25	01/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2502102
Diesel Range Organics (C10-C28)	ND	25.0	1	01/10/25	01/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/10/25	01/10/25	
<i>Surrogate: n-Nonane</i>						
	117 %	50-200		01/10/25	01/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2502106
Chloride	40.1	20.0	1	01/10/25	01/11/25	



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 1/14/2025 10:42:07AM
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Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2502101-BLK1) Prepared: 01/10/25 Analyzed: 01/10/25

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	7.00		8.00		87.5	70-130			

LCS (2502101-BS1) Prepared: 01/10/25 Analyzed: 01/11/25

Benzene	5.50	0.0250	5.00		110	70-130			
Ethylbenzene	5.28	0.0250	5.00		106	70-130			
Toluene	5.40	0.0250	5.00		108	70-130			
o-Xylene	5.28	0.0250	5.00		106	70-130			
p,m-Xylene	10.7	0.0500	10.0		107	70-130			
Total Xylenes	16.0	0.0250	15.0		107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.03		8.00		87.9	70-130			

Matrix Spike (2502101-MS1) Source: E501058-07 Prepared: 01/10/25 Analyzed: 01/11/25

Benzene	5.04	0.0250	5.00	ND	101	54-133			
Ethylbenzene	4.81	0.0250	5.00	ND	96.3	61-133			
Toluene	4.93	0.0250	5.00	ND	98.7	61-130			
o-Xylene	4.80	0.0250	5.00	ND	96.0	63-131			
p,m-Xylene	9.78	0.0500	10.0	ND	97.8	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	6.90		8.00		86.3	70-130			

Matrix Spike Dup (2502101-MSD1) Source: E501058-07 Prepared: 01/10/25 Analyzed: 01/11/25

Benzene	4.76	0.0250	5.00	ND	95.3	54-133	5.58	20	
Ethylbenzene	4.58	0.0250	5.00	ND	91.7	61-133	4.86	20	
Toluene	4.69	0.0250	5.00	ND	93.7	61-130	5.13	20	
o-Xylene	4.56	0.0250	5.00	ND	91.2	63-131	5.14	20	
p,m-Xylene	9.34	0.0500	10.0	ND	93.4	63-131	4.67	20	
Total Xylenes	13.9	0.0250	15.0	ND	92.6	63-131	4.83	20	
Surrogate: 4-Bromochlorobenzene-PID	6.90		8.00		86.2	70-130			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 1/14/2025 10:42:07AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2502101-BLK1)					Prepared: 01/10/25 Analyzed: 01/10/25				
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		92.0	70-130			

LCS (2502101-BS2)					Prepared: 01/10/25 Analyzed: 01/11/25				
Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			

Matrix Spike (2502101-MS2)					Source: E501058-07		Prepared: 01/10/25 Analyzed: 01/11/25		
Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	ND	92.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.7	70-130			

Matrix Spike Dup (2502101-MSD2)					Source: E501058-07		Prepared: 01/10/25 Analyzed: 01/13/25		
Gasoline Range Organics (C6-C10)	43.6	20.0	50.0	ND	87.2	70-130	5.76	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.8	70-130			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 1/14/2025 10:42:07AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2502102-BLK1)					Prepared: 01/10/25 Analyzed: 01/10/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.4		50.0		109	50-200			

LCS (2502102-BS1)					Prepared: 01/10/25 Analyzed: 01/10/25				
Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
Surrogate: n-Nonane	54.7		50.0		109	50-200			

Matrix Spike (2502102-MS1)					Source: E501058-08		Prepared: 01/10/25 Analyzed: 01/10/25		
Diesel Range Organics (C10-C28)	308	25.0	250	ND	123	38-132			
Surrogate: n-Nonane	63.5		50.0		127	50-200			

Matrix Spike Dup (2502102-MSD1)					Source: E501058-08		Prepared: 01/10/25 Analyzed: 01/10/25		
Diesel Range Organics (C10-C28)	279	25.0	250	ND	112	38-132	9.90	20	
Surrogate: n-Nonane	58.0		50.0		116	50-200			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 1/14/2025 10:42:07AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2502106-BLK1)					Prepared: 01/10/25 Analyzed: 01/11/25				
Chloride	ND	20.0							
LCS (2502106-BS1)					Prepared: 01/10/25 Analyzed: 01/11/25				
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2502106-MS1)					Source: E501058-06		Prepared: 01/10/25 Analyzed: 01/11/25		
Chloride	9830	200	250	9920	NR	80-120			M4
Matrix Spike Dup (2502106-MSD1)					Source: E501058-06		Prepared: 01/10/25 Analyzed: 01/11/25		
Chloride	10300	200	250	9920	159	80-120	4.82	20	M4

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 A CTB	
3101 Boyd Drive	Project Number:	24015-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	01/14/25 10:42

- 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 Information				Invoice Information				Lab Use Only				TAT				State													
Client: Vertex (bill direct to Tap Rock)				Company: Tap Rock (Bill Ramsay)				Lab WO#		Job Number		1D		2D		3D		Std		NM		CO		UT		TX			
Project Name: Prometheus A CTB				Address:				E 501058		24015-0001								(X)											
Project Manager: Chance Dixon				City, State, Zip:																									
Project Number: 25E-00027				Phone:																									
Email:				Email:																									
cdixon@vertexresource.com,				Miscellaneous: Direct bill to Tap Rock ATTN:																									
LPullman@vertexresource.com,				Bill Ramsay.																									
permain@vertexresource.com																													
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	Compliance	Y	or	N				
10:30	01.06.2025	Soil	1	BH25-01 0.5'		1	X	X	X		X																		
10:45	01.06.2025	Soil	1	BH25-02 0.5'		2	X	X	X		X																		
10:50	01.06.2025	Soil	1	BH25-02 2'		3	X	X	X		X																		
11:00	01.06.2025	Soil	1	BH25-03 0.5'		4	X	X	X		X																		
11:15	01.06.2025	Soil	1	BH25-04 0.5'		5	X	X	X		X																		
12:05	01.07.2025	Soil	1	BH25-13 0.5'		6	X	X	X		X																		
7:55	01.08.2025	Soil	1	BH25-15 0'		7	X	X	X		X																		
8:05	01.08.2025	Soil	1	BH25-15 2'		8	X	X	X		X																		
8:10	01.08.2025	Soil	1	BH25-16 0'		9	X	X	X		X																		
8:20	01.08.2025	Soil	1	BH25-16 2'		10	X	X	X		X																		
Additional Instructions: Direct bill to Tap Rock ATTN: Bill Ramsay. Please email final report to cdixon@vertexresource.com, permain@vertexresource.com, LPullman@vertexresource.com																													
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: L. Pullman																													
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.																	
[Signature]		1-9-2025		07:00		Michelle Gonzales		1-9-25		6700																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only																	
Michelle Gonzales		1-9-25		1646		[Signature]		1-9-25		1646		Received on ice: (Y) / N																	
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 _____ T2 _____ T3 _____																	
[Signature]		1-9-25		2245		Cathy Ma		1-10-25		800		AVG Temp °C 4																	
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time																			
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 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.																													

Envirotech Analytical Laboratory

Printed: 1/10/2025 8:56:46AM

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:	01/10/25 08:00	Work Order ID:	E501058
Phone:	(575) 748-0176	Date Logged In:	01/09/25 14:34	Logged In By:	Caitlin Mars
Email:	cdixon@vertexresource.com	Due Date:	01/16/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Sample Summary

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 01/15/25 11:37
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH25-01 2'	E501047-01A	Soil	01/06/25	01/09/25	Glass Jar, 2 oz.
BH25-03 2'	E501047-02A	Soil	01/06/25	01/09/25	Glass Jar, 2 oz.
BH25-04 2'	E501047-03A	Soil	01/06/25	01/09/25	Glass Jar, 2 oz.
BH25-11 0'	E501047-04A	Soil	01/07/25	01/09/25	Glass Jar, 2 oz.
BH25-11 2'	E501047-05A	Soil	01/07/25	01/09/25	Glass Jar, 2 oz.
BH25-12 0'	E501047-06A	Soil	01/07/25	01/09/25	Glass Jar, 2 oz.
BH25-12 2'	E501047-07A	Soil	01/07/25	01/09/25	Glass Jar, 2 oz.
BH25-13 2'	E501047-08A	Soil	01/07/25	01/09/25	Glass Jar, 2 oz.
BH25-13 4'	E501047-09A	Soil	01/07/25	01/09/25	Glass Jar, 2 oz.
BH25-14 0.5'	E501047-10A	Soil	01/07/25	01/09/25	Glass Jar, 2 oz.
BH25-14 2'	E501047-11A	Soil	01/07/25	01/09/25	Glass Jar, 2 oz.
BH25-14 8'	E501047-12A	Soil	01/07/25	01/09/25	Glass Jar, 2 oz.



Sample Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 1/15/2025 11:37:11AM
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BH25-01 2'

E501047-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2502075
Benzene	ND	0.0250	1	01/09/25	01/10/25	
Ethylbenzene	ND	0.0250	1	01/09/25	01/10/25	
Toluene	ND	0.0250	1	01/09/25	01/10/25	
o-Xylene	ND	0.0250	1	01/09/25	01/10/25	
p,m-Xylene	ND	0.0500	1	01/09/25	01/10/25	
Total Xylenes	ND	0.0250	1	01/09/25	01/10/25	
<i>Surrogate: Bromofluorobenzene</i>		96.0 %	70-130	01/09/25	01/10/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	01/09/25	01/10/25	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	01/09/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2502075
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/09/25	01/10/25	
<i>Surrogate: Bromofluorobenzene</i>		96.0 %	70-130	01/09/25	01/10/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	01/09/25	01/10/25	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	01/09/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2502080
Diesel Range Organics (C10-C28)	ND	25.0	1	01/09/25	01/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/09/25	01/10/25	
<i>Surrogate: n-Nonane</i>		120 %	50-200	01/09/25	01/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2502091
Chloride	29.1	20.0	1	01/09/25	01/10/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
1/15/2025 11:37:11AM

BH25-03 2'

E501047-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2502075
Benzene	ND	0.0250	1	01/09/25	01/10/25	
Ethylbenzene	ND	0.0250	1	01/09/25	01/10/25	
Toluene	ND	0.0250	1	01/09/25	01/10/25	
o-Xylene	ND	0.0250	1	01/09/25	01/10/25	
p,m-Xylene	ND	0.0500	1	01/09/25	01/10/25	
Total Xylenes	ND	0.0250	1	01/09/25	01/10/25	
Surrogate: Bromofluorobenzene	95.1 %	70-130		01/09/25	01/10/25	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		01/09/25	01/10/25	
Surrogate: Toluene-d8	105 %	70-130		01/09/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2502075
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/09/25	01/10/25	
Surrogate: Bromofluorobenzene	95.1 %	70-130		01/09/25	01/10/25	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		01/09/25	01/10/25	
Surrogate: Toluene-d8	105 %	70-130		01/09/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2502080
Diesel Range Organics (C10-C28)	ND	25.0	1	01/09/25	01/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/09/25	01/10/25	
Surrogate: n-Nonane	114 %	50-200		01/09/25	01/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2502091
Chloride	34.0	20.0	1	01/09/25	01/10/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
1/15/2025 11:37:11AM

BH25-04 2'

E501047-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2502075
Benzene	ND	0.0250	1	01/09/25	01/10/25	
Ethylbenzene	ND	0.0250	1	01/09/25	01/10/25	
Toluene	ND	0.0250	1	01/09/25	01/10/25	
o-Xylene	ND	0.0250	1	01/09/25	01/10/25	
p,m-Xylene	ND	0.0500	1	01/09/25	01/10/25	
Total Xylenes	ND	0.0250	1	01/09/25	01/10/25	
Surrogate: Bromofluorobenzene	95.5 %	70-130		01/09/25	01/10/25	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		01/09/25	01/10/25	
Surrogate: Toluene-d8	103 %	70-130		01/09/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2502075
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/09/25	01/10/25	
Surrogate: Bromofluorobenzene	95.5 %	70-130		01/09/25	01/10/25	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		01/09/25	01/10/25	
Surrogate: Toluene-d8	103 %	70-130		01/09/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2502080
Diesel Range Organics (C10-C28)	ND	25.0	1	01/09/25	01/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/09/25	01/11/25	
Surrogate: n-Nonane	118 %	50-200		01/09/25	01/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2502091
Chloride	495	20.0	1	01/09/25	01/09/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
1/15/2025 11:37:11AM

BH25-11 0'

E501047-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2502075
Benzene	ND	0.0250	1	01/09/25	01/10/25	
Ethylbenzene	ND	0.0250	1	01/09/25	01/10/25	
Toluene	ND	0.0250	1	01/09/25	01/10/25	
o-Xylene	ND	0.0250	1	01/09/25	01/10/25	
p,m-Xylene	ND	0.0500	1	01/09/25	01/10/25	
Total Xylenes	ND	0.0250	1	01/09/25	01/10/25	
Surrogate: Bromofluorobenzene	93.5 %	70-130		01/09/25	01/10/25	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		01/09/25	01/10/25	
Surrogate: Toluene-d8	104 %	70-130		01/09/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2502075
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/09/25	01/10/25	
Surrogate: Bromofluorobenzene	93.5 %	70-130		01/09/25	01/10/25	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		01/09/25	01/10/25	
Surrogate: Toluene-d8	104 %	70-130		01/09/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2502080
Diesel Range Organics (C10-C28)	ND	25.0	1	01/09/25	01/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/09/25	01/11/25	
Surrogate: n-Nonane	112 %	50-200		01/09/25	01/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2502091
Chloride	ND	20.0	1	01/09/25	01/10/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
1/15/2025 11:37:11AM

BH25-11 2'

E501047-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2502075
Benzene	ND	0.0250	1	01/09/25	01/10/25	
Ethylbenzene	ND	0.0250	1	01/09/25	01/10/25	
Toluene	ND	0.0250	1	01/09/25	01/10/25	
o-Xylene	ND	0.0250	1	01/09/25	01/10/25	
p,m-Xylene	ND	0.0500	1	01/09/25	01/10/25	
Total Xylenes	ND	0.0250	1	01/09/25	01/10/25	
Surrogate: Bromofluorobenzene	96.2 %	70-130		01/09/25	01/10/25	
Surrogate: 1,2-Dichloroethane-d4	108 %	70-130		01/09/25	01/10/25	
Surrogate: Toluene-d8	103 %	70-130		01/09/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2502075
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/09/25	01/10/25	
Surrogate: Bromofluorobenzene	96.2 %	70-130		01/09/25	01/10/25	
Surrogate: 1,2-Dichloroethane-d4	108 %	70-130		01/09/25	01/10/25	
Surrogate: Toluene-d8	103 %	70-130		01/09/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2502080
Diesel Range Organics (C10-C28)	ND	25.0	1	01/09/25	01/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/09/25	01/11/25	
Surrogate: n-Nonane	115 %	50-200		01/09/25	01/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2502091
Chloride	ND	20.0	1	01/09/25	01/10/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
1/15/2025 11:37:11AM

BH25-12 0'

E501047-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2502075
Benzene	ND	0.0250	1	01/09/25	01/10/25	
Ethylbenzene	ND	0.0250	1	01/09/25	01/10/25	
Toluene	ND	0.0250	1	01/09/25	01/10/25	
o-Xylene	ND	0.0250	1	01/09/25	01/10/25	
p,m-Xylene	ND	0.0500	1	01/09/25	01/10/25	
Total Xylenes	ND	0.0250	1	01/09/25	01/10/25	
Surrogate: Bromofluorobenzene	96.0 %	70-130		01/09/25	01/10/25	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		01/09/25	01/10/25	
Surrogate: Toluene-d8	104 %	70-130		01/09/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2502075
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/09/25	01/10/25	
Surrogate: Bromofluorobenzene	96.0 %	70-130		01/09/25	01/10/25	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		01/09/25	01/10/25	
Surrogate: Toluene-d8	104 %	70-130		01/09/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2502080
Diesel Range Organics (C10-C28)	ND	25.0	1	01/09/25	01/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/09/25	01/11/25	
Surrogate: n-Nonane	113 %	50-200		01/09/25	01/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2502091
Chloride	ND	20.0	1	01/09/25	01/10/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
1/15/2025 11:37:11AM

BH25-12 2'

E501047-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2502075
Benzene	ND	0.0250	1	01/09/25	01/10/25	
Ethylbenzene	ND	0.0250	1	01/09/25	01/10/25	
Toluene	ND	0.0250	1	01/09/25	01/10/25	
o-Xylene	ND	0.0250	1	01/09/25	01/10/25	
p,m-Xylene	ND	0.0500	1	01/09/25	01/10/25	
Total Xylenes	ND	0.0250	1	01/09/25	01/10/25	
Surrogate: Bromofluorobenzene	96.0 %	70-130		01/09/25	01/10/25	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		01/09/25	01/10/25	
Surrogate: Toluene-d8	106 %	70-130		01/09/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2502075
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/09/25	01/10/25	
Surrogate: Bromofluorobenzene	96.0 %	70-130		01/09/25	01/10/25	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		01/09/25	01/10/25	
Surrogate: Toluene-d8	106 %	70-130		01/09/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2502080
Diesel Range Organics (C10-C28)	ND	25.0	1	01/09/25	01/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/09/25	01/11/25	
Surrogate: n-Nonane	115 %	50-200		01/09/25	01/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2502091
Chloride	ND	20.0	1	01/09/25	01/10/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
1/15/2025 11:37:11AM

BH25-13 2'

E501047-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2502075
Benzene	ND	0.0250	1	01/09/25	01/10/25	
Ethylbenzene	ND	0.0250	1	01/09/25	01/10/25	
Toluene	ND	0.0250	1	01/09/25	01/10/25	
o-Xylene	ND	0.0250	1	01/09/25	01/10/25	
p,m-Xylene	ND	0.0500	1	01/09/25	01/10/25	
Total Xylenes	ND	0.0250	1	01/09/25	01/10/25	
Surrogate: Bromofluorobenzene	95.8 %	70-130		01/09/25	01/10/25	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		01/09/25	01/10/25	
Surrogate: Toluene-d8	105 %	70-130		01/09/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2502075
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/09/25	01/10/25	
Surrogate: Bromofluorobenzene	95.8 %	70-130		01/09/25	01/10/25	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		01/09/25	01/10/25	
Surrogate: Toluene-d8	105 %	70-130		01/09/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2502080
Diesel Range Organics (C10-C28)	ND	25.0	1	01/09/25	01/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/09/25	01/11/25	
Surrogate: n-Nonane	118 %	50-200		01/09/25	01/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2502091
Chloride	60.4	20.0	1	01/09/25	01/10/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
1/15/2025 11:37:11AM

BH25-13 4'

E501047-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2502075
Benzene	ND	0.0250	1	01/09/25	01/10/25	
Ethylbenzene	ND	0.0250	1	01/09/25	01/10/25	
Toluene	ND	0.0250	1	01/09/25	01/10/25	
o-Xylene	ND	0.0250	1	01/09/25	01/10/25	
p,m-Xylene	ND	0.0500	1	01/09/25	01/10/25	
Total Xylenes	ND	0.0250	1	01/09/25	01/10/25	
Surrogate: Bromofluorobenzene	96.7 %	70-130		01/09/25	01/10/25	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		01/09/25	01/10/25	
Surrogate: Toluene-d8	102 %	70-130		01/09/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2502075
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/09/25	01/10/25	
Surrogate: Bromofluorobenzene	96.7 %	70-130		01/09/25	01/10/25	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		01/09/25	01/10/25	
Surrogate: Toluene-d8	102 %	70-130		01/09/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2502080
Diesel Range Organics (C10-C28)	ND	25.0	1	01/09/25	01/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/09/25	01/11/25	
Surrogate: n-Nonane	120 %	50-200		01/09/25	01/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2502091
Chloride	122	20.0	1	01/09/25	01/10/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
1/15/2025 11:37:11AM

BH25-14 0.5'

E501047-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2502075
Benzene	ND	0.0250	1	01/09/25	01/10/25	
Ethylbenzene	ND	0.0250	1	01/09/25	01/10/25	
Toluene	ND	0.0250	1	01/09/25	01/10/25	
o-Xylene	ND	0.0250	1	01/09/25	01/10/25	
p,m-Xylene	ND	0.0500	1	01/09/25	01/10/25	
Total Xylenes	ND	0.0250	1	01/09/25	01/10/25	
Surrogate: Bromofluorobenzene	93.2 %	70-130		01/09/25	01/10/25	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		01/09/25	01/10/25	
Surrogate: Toluene-d8	103 %	70-130		01/09/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2502075
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/09/25	01/10/25	
Surrogate: Bromofluorobenzene	93.2 %	70-130		01/09/25	01/10/25	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		01/09/25	01/10/25	
Surrogate: Toluene-d8	103 %	70-130		01/09/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2502080
Diesel Range Organics (C10-C28)	ND	25.0	1	01/09/25	01/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/09/25	01/11/25	
Surrogate: n-Nonane	114 %	50-200		01/09/25	01/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2502091
Chloride	16200	200	10	01/09/25	01/10/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
1/15/2025 11:37:11AM

BH25-14 2'

E501047-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2502075
Benzene	ND	0.0250	1	01/09/25	01/10/25	
Ethylbenzene	ND	0.0250	1	01/09/25	01/10/25	
Toluene	ND	0.0250	1	01/09/25	01/10/25	
o-Xylene	ND	0.0250	1	01/09/25	01/10/25	
p,m-Xylene	ND	0.0500	1	01/09/25	01/10/25	
Total Xylenes	ND	0.0250	1	01/09/25	01/10/25	
Surrogate: Bromofluorobenzene	95.6 %	70-130		01/09/25	01/10/25	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		01/09/25	01/10/25	
Surrogate: Toluene-d8	103 %	70-130		01/09/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2502075
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/09/25	01/10/25	
Surrogate: Bromofluorobenzene	95.6 %	70-130		01/09/25	01/10/25	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		01/09/25	01/10/25	
Surrogate: Toluene-d8	103 %	70-130		01/09/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2502080
Diesel Range Organics (C10-C28)	ND	25.0	1	01/09/25	01/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/09/25	01/11/25	
Surrogate: n-Nonane	116 %	50-200		01/09/25	01/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2502091
Chloride	323	20.0	1	01/09/25	01/10/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
1/15/2025 11:37:11AM

BH25-14 8'

E501047-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2502075
Benzene	ND	0.0250	1	01/09/25	01/10/25	
Ethylbenzene	ND	0.0250	1	01/09/25	01/10/25	
Toluene	ND	0.0250	1	01/09/25	01/10/25	
o-Xylene	ND	0.0250	1	01/09/25	01/10/25	
p,m-Xylene	ND	0.0500	1	01/09/25	01/10/25	
Total Xylenes	ND	0.0250	1	01/09/25	01/10/25	
Surrogate: Bromofluorobenzene	94.0 %	70-130		01/09/25	01/10/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/09/25	01/10/25	
Surrogate: Toluene-d8	104 %	70-130		01/09/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2502075
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/09/25	01/10/25	
Surrogate: Bromofluorobenzene	94.0 %	70-130		01/09/25	01/10/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/09/25	01/10/25	
Surrogate: Toluene-d8	104 %	70-130		01/09/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2502080
Diesel Range Organics (C10-C28)	ND	25.0	1	01/09/25	01/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/09/25	01/11/25	
Surrogate: n-Nonane	120 %	50-200		01/09/25	01/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2502091
Chloride	ND	20.0	1	01/09/25	01/10/25	



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 1/15/2025 11:37:11AM
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Volatile Organic Compounds by EPA 8260B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2502075-BLK1)

Prepared: 01/09/25 Analyzed: 01/10/25

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	0.484		0.500		96.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			

LCS (2502075-BS1)

Prepared: 01/09/25 Analyzed: 01/14/25

Benzene	2.22	0.0250	2.50		88.9	70-130			
Ethylbenzene	2.33	0.0250	2.50		93.2	70-130			
Toluene	2.23	0.0250	2.50		89.2	70-130			
o-Xylene	2.44	0.0250	2.50		97.6	70-130			
p,m-Xylene	4.78	0.0500	5.00		95.6	70-130			
Total Xylenes	7.22	0.0250	7.50		96.3	70-130			
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			

Matrix Spike (2502075-MS1)

Source: E501047-08

Prepared: 01/09/25 Analyzed: 01/10/25

Benzene	2.16	0.0250	2.50	ND	86.4	48-131			
Ethylbenzene	2.29	0.0250	2.50	ND	91.7	45-135			
Toluene	2.26	0.0250	2.50	ND	90.4	48-130			
o-Xylene	2.40	0.0250	2.50	ND	96.1	43-135			
p,m-Xylene	4.75	0.0500	5.00	ND	95.0	43-135			
Total Xylenes	7.15	0.0250	7.50	ND	95.3	43-135			
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			

Matrix Spike Dup (2502075-MSD1)

Source: E501047-08

Prepared: 01/09/25 Analyzed: 01/10/25

Benzene	2.20	0.0250	2.50	ND	87.9	48-131	1.79	23	
Ethylbenzene	2.31	0.0250	2.50	ND	92.3	45-135	0.630	27	
Toluene	2.25	0.0250	2.50	ND	90.1	48-130	0.332	24	
o-Xylene	2.42	0.0250	2.50	ND	96.9	43-135	0.850	27	
p,m-Xylene	4.80	0.0500	5.00	ND	95.9	43-135	0.985	27	
Total Xylenes	7.22	0.0250	7.50	ND	96.2	43-135	0.940	27	
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.529		0.500		106	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 1/15/2025 11:37:11AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2502075-BLK1) Prepared: 01/09/25 Analyzed: 01/10/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.484		0.500		96.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			

LCS (2502075-BS2) Prepared: 01/09/25 Analyzed: 01/10/25

Gasoline Range Organics (C6-C10)	57.3	20.0	50.0		115	70-130			
Surrogate: Bromofluorobenzene	0.490		0.500		97.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.531		0.500		106	70-130			

Matrix Spike (2502075-MS2) Source: E501047-08 Prepared: 01/09/25 Analyzed: 01/14/25

Gasoline Range Organics (C6-C10)	52.6	20.0	50.0	ND	105	70-130			
Surrogate: Bromofluorobenzene	0.491		0.500		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

Matrix Spike Dup (2502075-MSD2) Source: E501047-08 Prepared: 01/09/25 Analyzed: 01/14/25

Gasoline Range Organics (C6-C10)	55.6	20.0	50.0	ND	111	70-130	5.53	20	
Surrogate: Bromofluorobenzene	0.507		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 1/15/2025 11:37:11AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2502080-BLK1)					Prepared: 01/09/25 Analyzed: 01/10/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.8		50.0		106	50-200			

LCS (2502080-BS1)					Prepared: 01/09/25 Analyzed: 01/10/25				
Diesel Range Organics (C10-C28)	240	25.0	250		96.1	38-132			
Surrogate: n-Nonane	54.6		50.0		109	50-200			

Matrix Spike (2502080-MS1)					Source: E501047-02		Prepared: 01/09/25 Analyzed: 01/10/25		
Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	38-132			
Surrogate: n-Nonane	59.7		50.0		119	50-200			

Matrix Spike Dup (2502080-MSD1)					Source: E501047-02		Prepared: 01/09/25 Analyzed: 01/10/25		
Diesel Range Organics (C10-C28)	280	25.0	250	ND	112	38-132	6.47	20	
Surrogate: n-Nonane	61.6		50.0		123	50-200			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 1/15/2025 11:37:11AM
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Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2502091-BLK1)					Prepared: 01/09/25 Analyzed: 01/09/25				
Chloride	ND	20.0							
LCS (2502091-BS1)					Prepared: 01/09/25 Analyzed: 01/09/25				
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2502091-MS1)					Source: E501047-03		Prepared: 01/09/25 Analyzed: 01/09/25		
Chloride	710	20.0	250	495	86.1	80-120			
Matrix Spike Dup (2502091-MSD1)					Source: E501047-03		Prepared: 01/09/25 Analyzed: 01/09/25		
Chloride	721	20.0	250	495	90.5	80-120	1.53	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 A CTB	
3101 Boyd Drive	Project Number:	24015-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	01/15/25 11:37

- 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 Information				Invoice Information				Lab Use Only				TAT				State											
Client: Vertex (bill direct to Tap Rock)				Company: Tap Rock (Bill Ramsay)				Lab WO#		Job Number		1D		2D		3D		Std		NM		CO		UT		TX	
Project Name: Prometheus A CTB				Address:				E501047		24015-0001								(X)									
Project Manager: Chance Dixon				City, State, Zip:																							
Project Number: 25E-00027				Phone:																							
Email:				Email:																							
cdixon@vertexresource.com,				Miscellaneous: Direct bill to Tap Rock ATTN:																							
LPullman@vertexresource.com,				Bill Ramsay.																							
permain@vertexresource.com																											
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	Compliance	Y	or	N	PWSID #	Remarks
10:35	01.06.2025	Soil	1	BH25-01 2'		1	X	X	X		X																
11:05	01.06.2025	Soil	1	BH25-03 2'		2	X	X	X		X																
11:20	01.06.2025	Soil	1	BH25-04 2'		3	X	X	X		X																
8:35	01.07.2025	Soil	1	BH25-11 0'		4	X	X	X		X																
8:40	01.07.2025	Soil	1	BH25-11 2'		5	X	X	X		X																
8:50	01.07.2025	Soil	1	BH25-12 0'		6	X	X	X		X																
8:55	01.07.2025	Soil	1	BH25-12 2'		7	X	X	X		X																
12:10	01.07.2025	Soil	1	BH25-13 2'		8	X	X	X		X																
12:15	01.07.2025	Soil	1	BH25-13 4'		9	X	X	X		X																
12:20	01.07.2025	Soil	1	BH25-14 0.5'		10	X	X	X		X																
Additional Instructions: Direct bill to Tap Rock ATTN: Bill Ramsay. Please email final report to cdixon@vertexresource.com, permain@vertexresource.com, LPullman@vertexresource.com																											
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: L. Pullman																											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.															
John Pullman		1-8-2025		07:00		Michelle Gonzales		1-8-25		0700																	
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only															
Michelle Gonzales		1-8-25		1530		Richard Gonzales		1-8-25		1530		Received on ice: (Y) N															
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 T2 T3															
Richard Gonzales		1-8-25		2145		Caitlin Mon		1-9-25		7:15																	
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		AVG Temp °C 4															
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other														Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA													
Note: Samples are discarded 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.																											

[illegible]

Envirotech Analytical Laboratory

Printed: 1/9/2025 9:12:21AM

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:	01/09/25 07:15	Work Order ID:	E501047
Phone:	(575) 748-0176	Date Logged In:	01/08/25 15:24	Logged In By:	Caitlin Mars
Email:	cdixon@vertexresource.com	Due Date:	01/15/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Sample Summary

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 02/04/25 11:26
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BS25-35 1'	E501229-01A	Soil	01/29/25	01/31/25	Glass Jar, 4 oz.
BS25-37 1'	E501229-02A	Soil	01/29/25	01/31/25	Glass Jar, 4 oz.
BS25-40 1'	E501229-03A	Soil	01/29/25	01/31/25	Glass Jar, 4 oz.
BS25-42 1'	E501229-04A	Soil	01/29/25	01/31/25	Glass Jar, 4 oz.
BS25-43 1'	E501229-05A	Soil	01/29/25	01/31/25	Glass Jar, 4 oz.



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/4/2025 11:26:58AM

BS25-35 1'

E501229-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505152
Benzene	ND	0.0250	1	01/31/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/31/25	01/31/25	
Toluene	ND	0.0250	1	01/31/25	01/31/25	
o-Xylene	ND	0.0250	1	01/31/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/31/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/31/25	01/31/25	
<i>Surrogate: Bromofluorobenzene</i>		95.8 %	70-130	01/31/25	01/31/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.1 %	70-130	01/31/25	01/31/25	
<i>Surrogate: Toluene-d8</i>		96.5 %	70-130	01/31/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505152
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	01/31/25	
<i>Surrogate: Bromofluorobenzene</i>		95.8 %	70-130	01/31/25	01/31/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.1 %	70-130	01/31/25	01/31/25	
<i>Surrogate: Toluene-d8</i>		96.5 %	70-130	01/31/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2505121
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	01/31/25	
<i>Surrogate: n-Nonane</i>		112 %	61-141	01/31/25	01/31/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2505126
Chloride	2500	20.0	1	01/31/25	01/31/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/4/2025 11:26:58AM

BS25-37 1'

E501229-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505152
Benzene	ND	0.0250	1	01/31/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/31/25	01/31/25	
Toluene	ND	0.0250	1	01/31/25	01/31/25	
o-Xylene	ND	0.0250	1	01/31/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/31/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene	95.1 %	70-130		01/31/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4	93.6 %	70-130		01/31/25	01/31/25	
Surrogate: Toluene-d8	95.9 %	70-130		01/31/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505152
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene	95.1 %	70-130		01/31/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4	93.6 %	70-130		01/31/25	01/31/25	
Surrogate: Toluene-d8	95.9 %	70-130		01/31/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2505121
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	01/31/25	
Surrogate: n-Nonane	104 %	61-141		01/31/25	01/31/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2505126
Chloride	540	20.0	1	01/31/25	01/31/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/4/2025 11:26:58AM

BS25-40 1'

E501229-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505152
Benzene	ND	0.0250	1	01/31/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/31/25	01/31/25	
Toluene	ND	0.0250	1	01/31/25	01/31/25	
o-Xylene	ND	0.0250	1	01/31/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/31/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene	94.1 %	70-130		01/31/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4	91.8 %	70-130		01/31/25	01/31/25	
Surrogate: Toluene-d8	97.9 %	70-130		01/31/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505152
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene	94.1 %	70-130		01/31/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4	91.8 %	70-130		01/31/25	01/31/25	
Surrogate: Toluene-d8	97.9 %	70-130		01/31/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2505121
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane	109 %	61-141		01/31/25	02/01/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2505126
Chloride	1910	20.0	1	01/31/25	01/31/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/4/2025 11:26:58AM

BS25-42 1'

E501229-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505152
Benzene	ND	0.0250	1	01/31/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/31/25	01/31/25	
Toluene	ND	0.0250	1	01/31/25	01/31/25	
o-Xylene	ND	0.0250	1	01/31/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/31/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene	94.8 %	70-130		01/31/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130		01/31/25	01/31/25	
Surrogate: Toluene-d8	94.6 %	70-130		01/31/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505152
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene	94.8 %	70-130		01/31/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130		01/31/25	01/31/25	
Surrogate: Toluene-d8	94.6 %	70-130		01/31/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2505121
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane	103 %	61-141		01/31/25	02/01/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2505126
Chloride	656	20.0	1	01/31/25	01/31/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/4/2025 11:26:58AM

BS25-43 1'

E501229-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505152
Benzene	ND	0.0250	1	01/31/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/31/25	01/31/25	
Toluene	ND	0.0250	1	01/31/25	01/31/25	
o-Xylene	ND	0.0250	1	01/31/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/31/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene	95.1 %	70-130		01/31/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		01/31/25	01/31/25	
Surrogate: Toluene-d8	94.1 %	70-130		01/31/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505152
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene	95.1 %	70-130		01/31/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		01/31/25	01/31/25	
Surrogate: Toluene-d8	94.1 %	70-130		01/31/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2505121
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane	103 %	61-141		01/31/25	02/01/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2505126
Chloride	1210	20.0	1	01/31/25	01/31/25	



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/4/2025 11:26:58AM
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Volatile Organic Compounds by EPA 8260B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2505152-BLK1) Prepared: 01/31/25 Analyzed: 01/31/25

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	0.475		0.500		94.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		94.9	70-130			
Surrogate: Toluene-d8	0.493		0.500		98.5	70-130			

LCS (2505152-BS1) Prepared: 01/31/25 Analyzed: 01/31/25

Benzene	2.50	0.0250	2.50		99.9	70-130			
Ethylbenzene	2.42	0.0250	2.50		96.6	70-130			
Toluene	2.40	0.0250	2.50		96.0	70-130			
o-Xylene	2.35	0.0250	2.50		93.9	70-130			
p,m-Xylene	4.70	0.0500	5.00		94.1	70-130			
Total Xylenes	7.05	0.0250	7.50		94.0	70-130			
Surrogate: Bromofluorobenzene	0.483		0.500		96.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.1	70-130			
Surrogate: Toluene-d8	0.469		0.500		93.7	70-130			

LCS Dup (2505152-BSD1) Prepared: 01/31/25 Analyzed: 01/31/25

Benzene	2.42	0.0250	2.50		96.9	70-130	3.03	23	
Ethylbenzene	2.39	0.0250	2.50		95.4	70-130	1.25	27	
Toluene	2.36	0.0250	2.50		94.5	70-130	1.62	24	
o-Xylene	2.29	0.0250	2.50		91.8	70-130	2.33	27	
p,m-Xylene	4.57	0.0500	5.00		91.5	70-130	2.82	27	
Total Xylenes	6.87	0.0250	7.50		91.6	70-130	2.66	27	
Surrogate: Bromofluorobenzene	0.479		0.500		95.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.5	70-130			
Surrogate: Toluene-d8	0.479		0.500		95.7	70-130			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/4/2025 11:26:58AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2505152-BLK1) Prepared: 01/31/25 Analyzed: 01/31/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.475		0.500		94.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		94.9	70-130			
Surrogate: Toluene-d8	0.493		0.500		98.5	70-130			

LCS (2505152-BS2) Prepared: 01/31/25 Analyzed: 01/31/25

Gasoline Range Organics (C6-C10)	55.1	20.0	50.0		110	70-130			
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.476		0.500		95.1	70-130			

LCS Dup (2505152-BSD2) Prepared: 01/31/25 Analyzed: 01/31/25

Gasoline Range Organics (C6-C10)	53.2	20.0	50.0		106	70-130	3.54	20	
Surrogate: Bromofluorobenzene	0.480		0.500		96.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.2	70-130			
Surrogate: Toluene-d8	0.482		0.500		96.3	70-130			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/4/2025 11:26:58AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2505121-BLK1)					Prepared: 01/31/25 Analyzed: 01/31/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.8		50.0		108	61-141			

LCS (2505121-BS1)					Prepared: 01/31/25 Analyzed: 01/31/25				
Diesel Range Organics (C10-C28)	268	25.0	250		107	66-144			
Surrogate: n-Nonane	52.4		50.0		105	61-141			

LCS Dup (2505121-BSD1)					Prepared: 01/31/25 Analyzed: 01/31/25				
Diesel Range Organics (C10-C28)	262	25.0	250		105	66-144	2.09	20	
Surrogate: n-Nonane	53.4		50.0		107	61-141			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/4/2025 11:26:58AM
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Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2505126-BLK1)					Prepared: 01/31/25 Analyzed: 01/31/25				
Chloride	ND	20.0							
LCS (2505126-BS1)					Prepared: 01/31/25 Analyzed: 01/31/25				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2505126-MS1)					Source: E501230-01		Prepared: 01/31/25 Analyzed: 01/31/25		
Chloride	406	20.0	250	169	95.1	80-120			
Matrix Spike Dup (2505126-MSD1)					Source: E501230-01		Prepared: 01/31/25 Analyzed: 01/31/25		
Chloride	429	20.0	250	169	104	80-120	5.54	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 A CTB	
3101 Boyd Drive	Project Number:	24015-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	02/04/25 11:26

- 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.





Envirotech Analytical Laboratory

Printed: 1/31/2025 11:18:28AM

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:	01/31/25 07:30	Work Order ID:	E501229
Phone:	(575) 748-0176	Date Logged In:	01/30/25 15:31	Logged In By:	Caitlin Mars
Email:	cdixon@vertexresource.com	Due Date:	02/03/25 17:00 (1 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



envirotech

Sample Summary

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 02/11/25 13:41
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BS25-49 1'	E502017-01A	Soil	01/30/25	02/04/25	Glass Jar, 2 oz.
BS25-59 1'	E502017-02A	Soil	01/30/25	02/04/25	Glass Jar, 2 oz.
BS25-62 1'	E502017-03A	Soil	01/30/25	02/04/25	Glass Jar, 2 oz.
BS25-63 1'	E502017-04A	Soil	01/30/25	02/04/25	Glass Jar, 2 oz.



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 1:41:39PM

BS25-49 1'

E502017-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506025
Benzene	ND	0.0250	1	02/03/25	02/08/25	
Ethylbenzene	ND	0.0250	1	02/03/25	02/08/25	
Toluene	ND	0.0250	1	02/03/25	02/08/25	
o-Xylene	ND	0.0250	1	02/03/25	02/08/25	
p,m-Xylene	ND	0.0500	1	02/03/25	02/08/25	
Total Xylenes	ND	0.0250	1	02/03/25	02/08/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	02/03/25	02/08/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.7 %	70-130	02/03/25	02/08/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/03/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506025
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/03/25	02/08/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	02/03/25	02/08/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.7 %	70-130	02/03/25	02/08/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/03/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506038
Diesel Range Organics (C10-C28)	ND	25.0	1	02/04/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/04/25	02/05/25	
<i>Surrogate: n-Nonane</i>		112 %	61-141	02/04/25	02/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506052
Chloride	1100	20.0	1	02/05/25	02/05/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 1:41:39PM

BS25-59 1'

E502017-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506025
Benzene	ND	0.0250	1	02/03/25	02/08/25	
Ethylbenzene	ND	0.0250	1	02/03/25	02/08/25	
Toluene	ND	0.0250	1	02/03/25	02/08/25	
o-Xylene	ND	0.0250	1	02/03/25	02/08/25	
p,m-Xylene	ND	0.0500	1	02/03/25	02/08/25	
Total Xylenes	ND	0.0250	1	02/03/25	02/08/25	
Surrogate: Bromofluorobenzene		102 %	70-130	02/03/25	02/08/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	02/03/25	02/08/25	
Surrogate: Toluene-d8		105 %	70-130	02/03/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506025
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/03/25	02/08/25	
Surrogate: Bromofluorobenzene		102 %	70-130	02/03/25	02/08/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	02/03/25	02/08/25	
Surrogate: Toluene-d8		105 %	70-130	02/03/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506038
Diesel Range Organics (C10-C28)	ND	25.0	1	02/04/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/04/25	02/05/25	
Surrogate: n-Nonane		97.3 %	61-141	02/04/25	02/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506052
Chloride	2330	20.0	1	02/05/25	02/05/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 1:41:39PM

BS25-62 1'

E502017-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506025
Benzene	ND	0.0250	1	02/03/25	02/08/25	
Ethylbenzene	ND	0.0250	1	02/03/25	02/08/25	
Toluene	ND	0.0250	1	02/03/25	02/08/25	
o-Xylene	ND	0.0250	1	02/03/25	02/08/25	
p,m-Xylene	ND	0.0500	1	02/03/25	02/08/25	
Total Xylenes	ND	0.0250	1	02/03/25	02/08/25	
Surrogate: Bromofluorobenzene	99.2 %	70-130		02/03/25	02/08/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		02/03/25	02/08/25	
Surrogate: Toluene-d8	104 %	70-130		02/03/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506025
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/03/25	02/08/25	
Surrogate: Bromofluorobenzene	99.2 %	70-130		02/03/25	02/08/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		02/03/25	02/08/25	
Surrogate: Toluene-d8	104 %	70-130		02/03/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506038
Diesel Range Organics (C10-C28)	ND	25.0	1	02/04/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/04/25	02/05/25	
Surrogate: n-Nonane	110 %	61-141		02/04/25	02/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506052
Chloride	1190	20.0	1	02/05/25	02/05/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 1:41:39PM

BS25-63 1'

E502017-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506025
Benzene	ND	0.0250	1	02/03/25	02/08/25	
Ethylbenzene	ND	0.0250	1	02/03/25	02/08/25	
Toluene	ND	0.0250	1	02/03/25	02/08/25	
o-Xylene	ND	0.0250	1	02/03/25	02/08/25	
p,m-Xylene	ND	0.0500	1	02/03/25	02/08/25	
Total Xylenes	ND	0.0250	1	02/03/25	02/08/25	
Surrogate: Bromofluorobenzene	99.6 %	70-130		02/03/25	02/08/25	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		02/03/25	02/08/25	
Surrogate: Toluene-d8	105 %	70-130		02/03/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2506025
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/03/25	02/08/25	
Surrogate: Bromofluorobenzene	99.6 %	70-130		02/03/25	02/08/25	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		02/03/25	02/08/25	
Surrogate: Toluene-d8	105 %	70-130		02/03/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506038
Diesel Range Organics (C10-C28)	ND	25.0	1	02/04/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/04/25	02/05/25	
Surrogate: n-Nonane	116 %	61-141		02/04/25	02/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506052
Chloride	149	40.0	2	02/05/25	02/05/25	



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/11/2025 1:41:39PM
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Volatile Organic Compounds by EPA 8260B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506025-BLK1)

Prepared: 02/03/25 Analyzed: 02/08/25

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	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			

LCS (2506025-BS1)

Prepared: 02/03/25 Analyzed: 02/08/25

Benzene	2.48	0.0250	2.50		99.1	70-130			
Ethylbenzene	2.51	0.0250	2.50		101	70-130			
Toluene	2.63	0.0250	2.50		105	70-130			
o-Xylene	2.49	0.0250	2.50		99.5	70-130			
p,m-Xylene	5.22	0.0500	5.00		104	70-130			
Total Xylenes	7.70	0.0250	7.50		103	70-130			
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.515		0.500		103	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

Matrix Spike (2506025-MS1)

Source: E501249-01

Prepared: 02/03/25 Analyzed: 02/08/25

Benzene	2.46	0.0250	2.50	ND	98.3	48-131			
Ethylbenzene	2.50	0.0250	2.50	ND	100	45-135			
Toluene	2.64	0.0250	2.50	ND	105	48-130			
o-Xylene	2.50	0.0250	2.50	ND	100	43-135			
p,m-Xylene	5.28	0.0500	5.00	ND	106	43-135			
Total Xylenes	7.78	0.0250	7.50	ND	104	43-135			
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500		102	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			

Matrix Spike Dup (2506025-MSD1)

Source: E501249-01

Prepared: 02/03/25 Analyzed: 02/08/25

Benzene	2.46	0.0250	2.50	ND	98.5	48-131	0.224	23	
Ethylbenzene	2.50	0.0250	2.50	ND	100	45-135	0.0800	27	
Toluene	2.66	0.0250	2.50	ND	106	48-130	0.699	24	
o-Xylene	2.53	0.0250	2.50	ND	101	43-135	0.915	27	
p,m-Xylene	5.30	0.0500	5.00	ND	106	43-135	0.407	27	
Total Xylenes	7.82	0.0250	7.50	ND	104	43-135	0.570	27	
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.516		0.500		103	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/11/2025 1:41:39PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506025-BLK1)

Prepared: 02/03/25 Analyzed: 02/08/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			

LCS (2506025-BS2)

Prepared: 02/03/25 Analyzed: 02/08/25

Gasoline Range Organics (C6-C10)	55.9	20.0	50.0		112	70-130			
Surrogate: Bromofluorobenzene	0.514		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.513		0.500		103	70-130			
Surrogate: Toluene-d8	0.534		0.500		107	70-130			

Matrix Spike (2506025-MS2)

Source: E501249-01

Prepared: 02/03/25 Analyzed: 02/08/25

Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130			
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			

Matrix Spike Dup (2506025-MSD2)

Source: E501249-01

Prepared: 02/03/25 Analyzed: 02/08/25

Gasoline Range Organics (C6-C10)	54.9	20.0	50.0	ND	110	70-130	1.22	20	
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.515		0.500		103	70-130			
Surrogate: Toluene-d8	0.539		0.500		108	70-130			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/11/2025 1:41:39PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506038-BLK1)					Prepared: 02/04/25 Analyzed: 02/05/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.5		50.0		115	61-141			

LCS (2506038-BS1)					Prepared: 02/04/25 Analyzed: 02/05/25				
Diesel Range Organics (C10-C28)	294	25.0	250		117	66-144			
Surrogate: n-Nonane	57.9		50.0		116	61-141			

Matrix Spike (2506038-MS1)					Source: E502018-02		Prepared: 02/04/25 Analyzed: 02/05/25		
Diesel Range Organics (C10-C28)	296	25.0	250	ND	119	56-156			
Surrogate: n-Nonane	58.3		50.0		117	61-141			

Matrix Spike Dup (2506038-MSD1)					Source: E502018-02		Prepared: 02/04/25 Analyzed: 02/05/25		
Diesel Range Organics (C10-C28)	309	25.0	250	ND	124	56-156	4.25	20	
Surrogate: n-Nonane	58.3		50.0		117	61-141			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/11/2025 1:41:39PM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506052-BLK1)					Prepared: 02/05/25 Analyzed: 02/05/25				
Chloride	ND	20.0							
LCS (2506052-BS1)					Prepared: 02/05/25 Analyzed: 02/05/25				
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2506052-MS1)					Source: E502026-01		Prepared: 02/05/25 Analyzed: 02/05/25		
Chloride	589	20.0	250	322	107	80-120			
Matrix Spike Dup (2506052-MSD1)					Source: E502026-01		Prepared: 02/05/25 Analyzed: 02/05/25		
Chloride	645	20.0	250	322	129	80-120	9.00	20	M1

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 A CTB	
3101 Boyd Drive	Project Number:	24015-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	02/11/25 13:41

- M1 Matrix spike recovery was above acceptance 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.



envirotech

Envirotech Analytical Laboratory

Printed: 2/4/2025 8:38:23AM

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:	02/04/25 06:30	Work Order ID:	E502017
Phone:	(575) 748-0176	Date Logged In:	02/03/25 16:57	Logged In By:	Noe Soto
Email:	cdixon@vertexresource.com	Due Date:	02/10/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Chain of Custody

Page 1 of 1

Client Information				Invoice Information				Lab Use Only				TAT				State											
Client: VERTEX				Company: TAP ROCK				Lab WO# E502017				Job Number 24050001				<table border="1" style="width:100%; text-align: center;"> <tr> <td>1D</td><td>2D</td><td>3D</td><td>Std</td> </tr> <tr> <td></td><td></td><td></td><td></td> </tr> </table>				1D	2D	3D	Std				
1D	2D	3D	Std																								
Project Name: Prometheus ACTB				Address:								<table border="1" style="width:100%; text-align: center;"> <tr> <td>NM</td><td>CO</td><td>UT</td><td>TX</td> </tr> <tr> <td></td><td></td><td></td><td></td> </tr> </table>				NM	CO	UT	TX								
NM	CO	UT	TX																								
Project Manager: Chance Dixon				City, State, Zip: ON FILE																							
Address:				Phone:																							
City, State, Zip: ON FILE				Email:																							
Phone:				Miscellaneous:																							
Email: chance.dixon@retex.ca																											

Sample Information						Analysis and Method										EPA Program			Remarks	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	USEPA 8015	USEPA 8015	USEPA 8021	USEPA 8260	Chloride 300.0	BGDOC - NM	ICEL 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	SDWA	CWA	RCRA		
																Compliance	Y	or		N
																PWSID #				
9:00	1/30	Soil		BS25-49 1'		1														Changed Analysis
9:30	1/30			BS 25-59 1'		2														per C. Dixon
10:00	1/30			BS25-62 1'		3														2/4/25 NS
10:30	1/30			BS25-63 1'		4														

Additional Instructions:

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

Sampled by: **Katrina Taylor**

Relinquished by: (Signature) <i>Katrina Taylor</i>	Date: 1/30/24	Time: 5pm	Received by: (Signature) <i>Michelle Gonzalez</i>	Date: 2-3-25	Time: 0930
Relinquished by: (Signature) <i>Michelle Gonzalez</i>	Date: 2-3-25	Time: 1545	Received by: (Signature) <i>Richard Gonzalez</i>	Date: 2-3-25	Time: 1545
Relinquished by: (Signature) <i>Richard Gonzalez</i>	Date: 2-3-25	Time: 22:45	Received by: (Signature) <i>Cristina Mora</i>	Date: 2-4-25	Time: 10:30
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

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

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

AVG Temp °C **4**

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.



envirotech

Envirotech Analytical Laboratory

Printed: 2/4/2025 8:33:00AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Vertex Resource Services Inc.	Date Received:	02/04/25 06:30	Work Order ID:	E502016
Phone:	(575) 748-0176	Date Logged In:	02/03/25 16:56	Logged In By:	Noe Soto
Email:	cdixon@vertexresource.com	Due Date:	02/10/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Sample Summary

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 02/11/25 13:16
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BS25-66 1'	E502016-01A	Soil	01/31/25	02/04/25	Glass Jar, 2 oz.
BS25-70 1'	E502016-02A	Soil	01/31/25	02/04/25	Glass Jar, 2 oz.
BS25-72 1'	E502016-03A	Soil	01/31/25	02/04/25	Glass Jar, 2 oz.
BS25-73 1'	E502016-04A	Soil	01/31/25	02/04/25	Glass Jar, 2 oz.
BS25-74 1'	E502016-05A	Soil	01/31/25	02/04/25	Glass Jar, 2 oz.
BS25-75 1'	E502016-06A	Soil	01/31/25	02/04/25	Glass Jar, 2 oz.
BS25-76 1'	E502016-07A	Soil	01/31/25	02/04/25	Glass Jar, 2 oz.
BS25-03 1'	E502016-08A	Soil	01/31/25	02/04/25	Glass Jar, 2 oz.



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 1:16:05PM

BS25-66 1'

E502016-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506025
Benzene	ND	0.0250	1	02/03/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/03/25	02/07/25	
Toluene	ND	0.0250	1	02/03/25	02/07/25	
o-Xylene	ND	0.0250	1	02/03/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/03/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/03/25	02/07/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	02/03/25	02/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.1 %	70-130	02/03/25	02/07/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	02/03/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506025
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/03/25	02/07/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	02/03/25	02/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.1 %	70-130	02/03/25	02/07/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	02/03/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506039
Diesel Range Organics (C10-C28)	ND	25.0	1	02/04/25	02/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/04/25	02/04/25	
<i>Surrogate: n-Nonane</i>		98.4 %	61-141	02/04/25	02/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506034
Chloride	558	20.0	1	02/04/25	02/04/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 1:16:05PM

BS25-70 1'

E502016-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506025
Benzene	ND	0.0250	1	02/03/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/03/25	02/07/25	
Toluene	ND	0.0250	1	02/03/25	02/07/25	
o-Xylene	ND	0.0250	1	02/03/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/03/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/03/25	02/07/25	
Surrogate: Bromofluorobenzene		103 %	70-130	02/03/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	02/03/25	02/07/25	
Surrogate: Toluene-d8		105 %	70-130	02/03/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506025
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/03/25	02/07/25	
Surrogate: Bromofluorobenzene		103 %	70-130	02/03/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	02/03/25	02/07/25	
Surrogate: Toluene-d8		105 %	70-130	02/03/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506039
Diesel Range Organics (C10-C28)	ND	25.0	1	02/04/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/04/25	02/05/25	
Surrogate: n-Nonane		100 %	61-141	02/04/25	02/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506034
Chloride	367	20.0	1	02/04/25	02/04/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 1:16:05PM

BS25-72 1'

E502016-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506025
Benzene	ND	0.0250	1	02/03/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/03/25	02/07/25	
Toluene	ND	0.0250	1	02/03/25	02/07/25	
o-Xylene	ND	0.0250	1	02/03/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/03/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/03/25	02/07/25	
Surrogate: Bromofluorobenzene	99.7 %	70-130		02/03/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		02/03/25	02/07/25	
Surrogate: Toluene-d8	105 %	70-130		02/03/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506025
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/03/25	02/07/25	
Surrogate: Bromofluorobenzene	99.7 %	70-130		02/03/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		02/03/25	02/07/25	
Surrogate: Toluene-d8	105 %	70-130		02/03/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506039
Diesel Range Organics (C10-C28)	ND	25.0	1	02/04/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/04/25	02/05/25	
Surrogate: n-Nonane	98.5 %	61-141		02/04/25	02/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506034
Chloride	1110	20.0	1	02/04/25	02/04/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 1:16:05PM

BS25-73 1'

E502016-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506025
Benzene	ND	0.0250	1	02/03/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/03/25	02/07/25	
Toluene	ND	0.0250	1	02/03/25	02/07/25	
o-Xylene	ND	0.0250	1	02/03/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/03/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/03/25	02/07/25	
Surrogate: Bromofluorobenzene		102 %	70-130	02/03/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	02/03/25	02/07/25	
Surrogate: Toluene-d8		103 %	70-130	02/03/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506025
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/03/25	02/07/25	
Surrogate: Bromofluorobenzene		102 %	70-130	02/03/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	02/03/25	02/07/25	
Surrogate: Toluene-d8		103 %	70-130	02/03/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506039
Diesel Range Organics (C10-C28)	ND	25.0	1	02/04/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/04/25	02/05/25	
Surrogate: n-Nonane		103 %	61-141	02/04/25	02/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506034
Chloride	183	20.0	1	02/04/25	02/04/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 1:16:05PM

BS25-74 1'

E502016-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506025
Benzene	ND	0.0250	1	02/03/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/03/25	02/07/25	
Toluene	ND	0.0250	1	02/03/25	02/07/25	
o-Xylene	ND	0.0250	1	02/03/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/03/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/03/25	02/07/25	
Surrogate: Bromofluorobenzene		103 %	70-130	02/03/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	02/03/25	02/07/25	
Surrogate: Toluene-d8		104 %	70-130	02/03/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506025
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/03/25	02/07/25	
Surrogate: Bromofluorobenzene		103 %	70-130	02/03/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	02/03/25	02/07/25	
Surrogate: Toluene-d8		104 %	70-130	02/03/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506039
Diesel Range Organics (C10-C28)	ND	25.0	1	02/04/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/04/25	02/05/25	
Surrogate: n-Nonane		103 %	61-141	02/04/25	02/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506034
Chloride	1030	20.0	1	02/04/25	02/04/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 1:16:05PM

BS25-75 1'

E502016-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506025
Benzene	ND	0.0250	1	02/03/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/03/25	02/07/25	
Toluene	ND	0.0250	1	02/03/25	02/07/25	
o-Xylene	ND	0.0250	1	02/03/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/03/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/03/25	02/07/25	
Surrogate: Bromofluorobenzene	99.2 %	70-130		02/03/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		02/03/25	02/07/25	
Surrogate: Toluene-d8	105 %	70-130		02/03/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506025
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/03/25	02/07/25	
Surrogate: Bromofluorobenzene	99.2 %	70-130		02/03/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		02/03/25	02/07/25	
Surrogate: Toluene-d8	105 %	70-130		02/03/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506039
Diesel Range Organics (C10-C28)	ND	25.0	1	02/04/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/04/25	02/05/25	
Surrogate: n-Nonane	90.0 %	61-141		02/04/25	02/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506034
Chloride	681	20.0	1	02/04/25	02/04/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 1:16:05PM

BS25-76 1'

E502016-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506025
Benzene	ND	0.0250	1	02/03/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/03/25	02/07/25	
Toluene	ND	0.0250	1	02/03/25	02/07/25	
o-Xylene	ND	0.0250	1	02/03/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/03/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/03/25	02/07/25	
Surrogate: Bromofluorobenzene	99.9 %	70-130		02/03/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		02/03/25	02/07/25	
Surrogate: Toluene-d8	107 %	70-130		02/03/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506025
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/03/25	02/07/25	
Surrogate: Bromofluorobenzene	99.9 %	70-130		02/03/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		02/03/25	02/07/25	
Surrogate: Toluene-d8	107 %	70-130		02/03/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506039
Diesel Range Organics (C10-C28)	ND	25.0	1	02/04/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/04/25	02/05/25	
Surrogate: n-Nonane	98.8 %	61-141		02/04/25	02/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506034
Chloride	1240	20.0	1	02/04/25	02/04/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 1:16:05PM

BS25-03 1'

E502016-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506025
Benzene	ND	0.0250	1	02/03/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/03/25	02/07/25	
Toluene	ND	0.0250	1	02/03/25	02/07/25	
o-Xylene	ND	0.0250	1	02/03/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/03/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/03/25	02/07/25	
Surrogate: Bromofluorobenzene		102 %	70-130	02/03/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	02/03/25	02/07/25	
Surrogate: Toluene-d8		105 %	70-130	02/03/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506025
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/03/25	02/07/25	
Surrogate: Bromofluorobenzene		102 %	70-130	02/03/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	02/03/25	02/07/25	
Surrogate: Toluene-d8		105 %	70-130	02/03/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506039
Diesel Range Organics (C10-C28)	ND	25.0	1	02/04/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/04/25	02/05/25	
Surrogate: n-Nonane		102 %	61-141	02/04/25	02/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506034
Chloride	2880	40.0	2	02/04/25	02/05/25	



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/11/2025 1:16:05PM
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Volatile Organic Compounds by EPA 8260B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506025-BLK1)

Prepared: 02/03/25 Analyzed: 02/08/25

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	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			

LCS (2506025-BS1)

Prepared: 02/03/25 Analyzed: 02/08/25

Benzene	2.48	0.0250	2.50		99.1	70-130			
Ethylbenzene	2.51	0.0250	2.50		101	70-130			
Toluene	2.63	0.0250	2.50		105	70-130			
o-Xylene	2.49	0.0250	2.50		99.5	70-130			
p,m-Xylene	5.22	0.0500	5.00		104	70-130			
Total Xylenes	7.70	0.0250	7.50		103	70-130			
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.515		0.500		103	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

Matrix Spike (2506025-MS1)

Source: E501249-01

Prepared: 02/03/25 Analyzed: 02/08/25

Benzene	2.46	0.0250	2.50	ND	98.3	48-131			
Ethylbenzene	2.50	0.0250	2.50	ND	100	45-135			
Toluene	2.64	0.0250	2.50	ND	105	48-130			
o-Xylene	2.50	0.0250	2.50	ND	100	43-135			
p,m-Xylene	5.28	0.0500	5.00	ND	106	43-135			
Total Xylenes	7.78	0.0250	7.50	ND	104	43-135			
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500		102	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			

Matrix Spike Dup (2506025-MSD1)

Source: E501249-01

Prepared: 02/03/25 Analyzed: 02/08/25

Benzene	2.46	0.0250	2.50	ND	98.5	48-131	0.224	23	
Ethylbenzene	2.50	0.0250	2.50	ND	100	45-135	0.0800	27	
Toluene	2.66	0.0250	2.50	ND	106	48-130	0.699	24	
o-Xylene	2.53	0.0250	2.50	ND	101	43-135	0.915	27	
p,m-Xylene	5.30	0.0500	5.00	ND	106	43-135	0.407	27	
Total Xylenes	7.82	0.0250	7.50	ND	104	43-135	0.570	27	
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.516		0.500		103	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/11/2025 1:16:05PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506025-BLK1)

Prepared: 02/03/25 Analyzed: 02/08/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			

LCS (2506025-BS2)

Prepared: 02/03/25 Analyzed: 02/08/25

Gasoline Range Organics (C6-C10)	55.9	20.0	50.0		112	70-130			
Surrogate: Bromofluorobenzene	0.514		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.513		0.500		103	70-130			
Surrogate: Toluene-d8	0.534		0.500		107	70-130			

Matrix Spike (2506025-MS2)

Source: E501249-01

Prepared: 02/03/25 Analyzed: 02/08/25

Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130			
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			

Matrix Spike Dup (2506025-MSD2)

Source: E501249-01

Prepared: 02/03/25 Analyzed: 02/08/25

Gasoline Range Organics (C6-C10)	54.9	20.0	50.0	ND	110	70-130	1.22	20	
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.515		0.500		103	70-130			
Surrogate: Toluene-d8	0.539		0.500		108	70-130			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/11/2025 1:16:05PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506039-BLK1)					Prepared: 02/04/25 Analyzed: 02/04/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.8		50.0		104	61-141			

LCS (2506039-BS1)					Prepared: 02/04/25 Analyzed: 02/04/25				
Diesel Range Organics (C10-C28)	249	25.0	250		99.7	66-144			
Surrogate: n-Nonane	50.8		50.0		102	61-141			

Matrix Spike (2506039-MS1)					Source: E502016-03		Prepared: 02/04/25 Analyzed: 02/04/25		
Diesel Range Organics (C10-C28)	272	25.0	250	ND	109	56-156			
Surrogate: n-Nonane	54.7		50.0		109	61-141			

Matrix Spike Dup (2506039-MSD1)					Source: E502016-03		Prepared: 02/04/25 Analyzed: 02/04/25		
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	56-156	3.66	20	
Surrogate: n-Nonane	52.2		50.0		104	61-141			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/11/2025 1:16:05PM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506034-BLK1)					Prepared: 02/04/25 Analyzed: 02/04/25				
Chloride	ND	20.0							
LCS (2506034-BS1)					Prepared: 02/04/25 Analyzed: 02/04/25				
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2506034-MS1)					Source: E502010-03		Prepared: 02/04/25 Analyzed: 02/04/25		
Chloride	492	20.0	250	217	110	80-120			
Matrix Spike Dup (2506034-MSD1)					Source: E502010-03		Prepared: 02/04/25 Analyzed: 02/04/25		
Chloride	462	20.0	250	217	97.9	80-120	6.29	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 A CTB	
3101 Boyd Drive	Project Number:	24015-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	02/11/25 13:16

- 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

Page 1 of 1

Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: <u>Vortex Resource Group</u>				Company: <u>Tap Rock</u>		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: <u>Prometheus 4 CTR</u>				Address:		<u>E502016</u>	<u>24015-0001</u>												
Project Manager: <u>Chance Dixon</u>				City, State, Zip: <u>on file</u>															
Address: <u>on file</u>				Phone:															
City, State, Zip:				Email:															
Phone:				Miscellaneous:															
Email:																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	SDWA	CWA	RCRA	
9:00	1/31	Soil	4	BS25-66 1'		1	X	X	X	X	X								
9:30				BS25-70 1'		2													
10:00				BS25-72 1'		3													
10:30				BS25-73 1'		4													
11:00				BS25-74 1'		5													
11:30				BS25-75 1'		6													
12:00				BS25-76 1'		7													
12:30	↓	↓	↓	BS25-03 1'		8	↓	↓	↓	↓	↓								
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: <u>Latrina Taylor</u>																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subcooled ice. Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>											
<u>Shawn Ryan</u>		<u>1/31</u>	<u>5pm</u>	<u>Michelle Gonzales</u>		<u>2-3-25</u>	<u>0930</u>												
<u>Michelle Gonzales</u>		<u>2-3-25</u>	<u>1545</u>	<u>Richard Gonzales</u>		<u>2-3-25</u>	<u>1545</u>												
<u>Richard Gonzales</u>		<u>2-3-25</u>	<u>72145</u>	<u>Carlin Mann</u>		<u>2-4-25</u>	<u>16:30</u>												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 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

Page 1 of 1

Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: <u>Vortex Resource Group</u>				Company: <u>Tap Rock</u>		Lab WO# <u>E502016</u> Job Number <u>24015-0001</u>		1D 2D 3D Std		NM CO UT TX <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>									
Project Name: <u>Prometheus 4 CTR</u>				Address:															
Project Manager: <u>Chanel Dixon</u>				City, State, Zip: <u>on file</u>															
Address: <u>on file</u>				Phone:															
City, State, Zip:				Email:															
Phone:				Miscellaneous:															
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/ORO by 8015	BTEX by 8021	NS VOC by 8060 2/4/25	Chloride 300 O	BGDOC - NM	TCED 1005 TX	RCRA 8 Metals	Cation/Anion Pkg	SDWA	CWA	RCRA	
9:00	1/31	Soil	4	BS25-66 1'		1	X	X	X	X									
9:30				BS25-70 1'		2													
10:00				BS25-72 1'		3													
10:30				BS25-73 1'		4													
11:00				BS25-74 1'		5													
11:30				BS25-75 1'		6													
12:00				BS25-76 1'		7													
12:30	✓	✓	✓	BS25-03 1'		8	✓	✓	✓	✓	✓								
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: <u>Katrina Taylor</u>																			
Relinquished by: (Signature) <u>Shawn Ryan</u>		Date <u>1/31</u>		Time <u>5pm</u>		Received by: (Signature) <u>Michelle Gonzales</u>		Date <u>2-3-25</u>		Time <u>0930</u>		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days. Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>							
Relinquished by: (Signature) <u>Michelle Gonzales</u>		Date <u>2-3-25</u>		Time <u>1545</u>		Received by: (Signature) <u>Richard Gonzales</u>		Date <u>2-3-25</u>		Time <u>1545</u>									
Relinquished by: (Signature) <u>Richard Gonzales</u>		Date <u>2-3-25</u>		Time <u>2245</u>		Received by: (Signature) <u>Carli H. Man</u>		Date <u>2-4-25</u>		Time <u>6:30</u>									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 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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Sample Summary

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 02/11/25 10:07
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BS25-08 2'	E502047-01A	Soil	02/03/25	02/06/25	Glass Jar, 4 oz.
BS25-09 2'	E502047-02A	Soil	02/03/25	02/06/25	Glass Jar, 4 oz.
BS25-10 2'	E502047-03A	Soil	02/03/25	02/06/25	Glass Jar, 4 oz.
BS25-12 2'	E502047-04A	Soil	02/03/25	02/06/25	Glass Jar, 4 oz.
BS25-13 2'	E502047-05A	Soil	02/03/25	02/06/25	Glass Jar, 4 oz.
BS25-14 2'	E502047-06A	Soil	02/03/25	02/06/25	Glass Jar, 4 oz.
BS25-16 2'	E502047-07A	Soil	02/03/25	02/06/25	Glass Jar, 4 oz.
BS25-17 2'	E502047-08A	Soil	02/03/25	02/06/25	Glass Jar, 4 oz.
BS25-18 2'	E502047-09A	Soil	02/03/25	02/06/25	Glass Jar, 4 oz.
BS25-19 2'	E502047-10A	Soil	02/03/25	02/06/25	Glass Jar, 4 oz.
BS25-20 2'	E502047-11A	Soil	02/03/25	02/06/25	Glass Jar, 4 oz.
BS25-25 2'	E502047-12A	Soil	02/03/25	02/06/25	Glass Jar, 4 oz.
BS25-26 2'	E502047-13A	Soil	02/04/25	02/06/25	Glass Jar, 4 oz.
BS25-34-2'	E502047-14A	Soil	02/04/25	02/06/25	Glass Jar, 4 oz.
BS25-36-2'	E502047-15A	Soil	02/04/25	02/06/25	Glass Jar, 4 oz.
BS25-37-2'	E502047-16A	Soil	02/04/25	02/06/25	Glass Jar, 4 oz.
BS25-38-2'	E502047-17A	Soil	02/04/25	02/06/25	Glass Jar, 4 oz.
BS25-39-2'	E502047-18A	Soil	02/04/25	02/06/25	Glass Jar, 4 oz.
BS25-40 2'	E502047-19A	Soil	02/04/25	02/06/25	Glass Jar, 4 oz.
BS25-41 2'	E502047-20A	Soil	02/04/25	02/06/25	Glass Jar, 4 oz.
BS25-42 2'	E502047-21A	Soil	02/03/25	02/06/25	Glass Jar, 4 oz.
BS25-43 2'	E502047-22A	Soil	02/03/25	02/06/25	Glass Jar, 4 oz.
BS25-44 4'	E502047-23A	Soil	02/03/25	02/06/25	Glass Jar, 4 oz.
BS25-45 4'	E502047-24A	Soil	02/03/25	02/06/25	Glass Jar, 4 oz.
BS25-46 2'	E502047-25A	Soil	02/03/25	02/06/25	Glass Jar, 4 oz.



Sample Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/11/2025 10:07:29AM
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BS25-08 2'

E502047-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2506094	
Benzene	ND	0.0250	1	02/06/25	02/08/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/08/25	
Toluene	ND	0.0250	1	02/06/25	02/08/25	
o-Xylene	ND	0.0250	1	02/06/25	02/08/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/08/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	85.4 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2506094	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.8 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2506099	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/06/25	
<i>Surrogate: n-Nonane</i>	100 %	61-141		02/06/25	02/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2506101	
Chloride	226	20.0	1	02/06/25	02/06/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 10:07:29AM

BS25-09 2'

E502047-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506094
Benzene	ND	0.0250	1	02/06/25	02/08/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/08/25	
Toluene	ND	0.0250	1	02/06/25	02/08/25	
o-Xylene	ND	0.0250	1	02/06/25	02/08/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/08/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.9 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506094
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.6 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506099
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/06/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		02/06/25	02/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2506101
Chloride	915	20.0	1	02/06/25	02/06/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 10:07:29AM

BS25-10 2'

E502047-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2506094	
Benzene	ND	0.0250	1	02/06/25	02/08/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/08/25	
Toluene	ND	0.0250	1	02/06/25	02/08/25	
o-Xylene	ND	0.0250	1	02/06/25	02/08/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/08/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.6 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2506094	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.2 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2506099	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/06/25	
<i>Surrogate: n-Nonane</i>						
	114 %	61-141		02/06/25	02/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2506101	
Chloride	162	20.0	1	02/06/25	02/06/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 10:07:29AM

BS25-12 2'

E502047-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506094
Benzene	ND	0.0250	1	02/06/25	02/08/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/08/25	
Toluene	ND	0.0250	1	02/06/25	02/08/25	
o-Xylene	ND	0.0250	1	02/06/25	02/08/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/08/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.6 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506094
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.4 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506099
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/06/25	
<i>Surrogate: n-Nonane</i>						
	114 %	61-141		02/06/25	02/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2506101
Chloride	234	20.0	1	02/06/25	02/06/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 10:07:29AM

BS25-13 2'

E502047-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506094
Benzene	ND	0.0250	1	02/06/25	02/08/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/08/25	
Toluene	ND	0.0250	1	02/06/25	02/08/25	
o-Xylene	ND	0.0250	1	02/06/25	02/08/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/08/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.4 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506094
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.3 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506099
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/06/25	
<i>Surrogate: n-Nonane</i>						
	126 %	61-141		02/06/25	02/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2506101
Chloride	570	20.0	1	02/06/25	02/06/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 10:07:29AM

BS25-14 2'

E502047-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2506094	
Benzene	ND	0.0250	1	02/06/25	02/08/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/08/25	
Toluene	ND	0.0250	1	02/06/25	02/08/25	
o-Xylene	ND	0.0250	1	02/06/25	02/08/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/08/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	83.9 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2506094	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	95.0 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2506099	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/06/25	
<i>Surrogate: n-Nonane</i>	86.7 %	61-141		02/06/25	02/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2506101	
Chloride	144	20.0	1	02/06/25	02/06/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 10:07:29AM

BS25-16 2'

E502047-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506094
Benzene	ND	0.0250	1	02/06/25	02/08/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/08/25	
Toluene	ND	0.0250	1	02/06/25	02/08/25	
o-Xylene	ND	0.0250	1	02/06/25	02/08/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/08/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.7 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506094
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.9 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506099
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/06/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		02/06/25	02/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2506101
Chloride	489	20.0	1	02/06/25	02/06/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 10:07:29AM

BS25-17 2'

E502047-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506094
Benzene	ND	0.0250	1	02/06/25	02/08/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/08/25	
Toluene	ND	0.0250	1	02/06/25	02/08/25	
o-Xylene	ND	0.0250	1	02/06/25	02/08/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/08/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.9 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506094
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.1 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506099
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
<i>Surrogate: n-Nonane</i>						
	114 %	61-141		02/06/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2506101
Chloride	601	20.0	1	02/06/25	02/06/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 10:07:29AM

BS25-18 2'

E502047-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506094
Benzene	ND	0.0250	1	02/06/25	02/08/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/08/25	
Toluene	ND	0.0250	1	02/06/25	02/08/25	
o-Xylene	ND	0.0250	1	02/06/25	02/08/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/08/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.7 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506094
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.2 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506099
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
<i>Surrogate: n-Nonane</i>						
	111 %	61-141		02/06/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2506101
Chloride	764	20.0	1	02/06/25	02/06/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 10:07:29AM

BS25-19 2'

E502047-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506094
Benzene	ND	0.0250	1	02/06/25	02/08/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/08/25	
Toluene	ND	0.0250	1	02/06/25	02/08/25	
o-Xylene	ND	0.0250	1	02/06/25	02/08/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/08/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.2 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506094
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.2 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506099
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
<i>Surrogate: n-Nonane</i>						
	121 %	61-141		02/06/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2506101
Chloride	414	20.0	1	02/06/25	02/06/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 10:07:29AM

BS25-20 2'

E502047-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2506094	
Benzene	ND	0.0250	1	02/06/25	02/08/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/08/25	
Toluene	ND	0.0250	1	02/06/25	02/08/25	
o-Xylene	ND	0.0250	1	02/06/25	02/08/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/08/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	82.8 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2506094	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	96.7 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2506099	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
<i>Surrogate: n-Nonane</i>	118 %	61-141		02/06/25	02/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2506101	
Chloride	208	20.0	1	02/06/25	02/06/25	



Sample Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/11/2025 10:07:29AM
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BS25-25 2'
E502047-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2506094	
Benzene	ND	0.0250	1	02/06/25	02/08/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/08/25	
Toluene	ND	0.0250	1	02/06/25	02/08/25	
o-Xylene	ND	0.0250	1	02/06/25	02/08/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/08/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/08/25	
Surrogate: 4-Bromochlorobenzene-PID	82.8 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2506094	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.0 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2506099	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
Surrogate: n-Nonane	112 %	61-141		02/06/25	02/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2506101	
Chloride	399	20.0	1	02/06/25	02/06/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 10:07:29AM

BS25-26 2'

E502047-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506094
Benzene	ND	0.0250	1	02/06/25	02/08/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/08/25	
Toluene	ND	0.0250	1	02/06/25	02/08/25	
o-Xylene	ND	0.0250	1	02/06/25	02/08/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/08/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.2 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506094
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.5 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506099
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		02/06/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2506101
Chloride	285	20.0	1	02/06/25	02/06/25	



Sample Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/11/2025 10:07:29AM
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BS25-34-2'
E502047-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2506094	
Benzene	ND	0.0250	1	02/06/25	02/08/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/08/25	
Toluene	ND	0.0250	1	02/06/25	02/08/25	
o-Xylene	ND	0.0250	1	02/06/25	02/08/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/08/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/08/25	
Surrogate: 4-Bromochlorobenzene-PID	83.6 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2506094	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.7 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2506099	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
Surrogate: n-Nonane	119 %	61-141		02/06/25	02/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2506101	
Chloride	277	20.0	1	02/06/25	02/06/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 10:07:29AM

BS25-36-2'

E502047-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506094
Benzene	ND	0.0250	1	02/06/25	02/08/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/08/25	
Toluene	ND	0.0250	1	02/06/25	02/08/25	
o-Xylene	ND	0.0250	1	02/06/25	02/08/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/08/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.0 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506094
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.8 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506099
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
<i>Surrogate: n-Nonane</i>						
	114 %	61-141		02/06/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2506101
Chloride	133	20.0	1	02/06/25	02/06/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 10:07:29AM

BS25-37-2'

E502047-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506094
Benzene	ND	0.0250	1	02/06/25	02/08/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/08/25	
Toluene	ND	0.0250	1	02/06/25	02/08/25	
o-Xylene	ND	0.0250	1	02/06/25	02/08/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/08/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.9 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506094
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.6 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506099
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
<i>Surrogate: n-Nonane</i>						
	115 %	61-141		02/06/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2506101
Chloride	265	20.0	1	02/06/25	02/06/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 10:07:29AM

BS25-38-2'

E502047-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506094
Benzene	ND	0.0250	1	02/06/25	02/08/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/08/25	
Toluene	ND	0.0250	1	02/06/25	02/08/25	
o-Xylene	ND	0.0250	1	02/06/25	02/08/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/08/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.5 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506094
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.0 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506099
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
<i>Surrogate: n-Nonane</i>						
	125 %	61-141		02/06/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2506101
Chloride	623	40.0	2	02/06/25	02/07/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 10:07:29AM

BS25-39-2'

E502047-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506094
Benzene	ND	0.0250	1	02/06/25	02/08/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/08/25	
Toluene	ND	0.0250	1	02/06/25	02/08/25	
o-Xylene	ND	0.0250	1	02/06/25	02/08/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/08/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.3 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506094
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.1 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506099
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
<i>Surrogate: n-Nonane</i>						
	109 %	61-141		02/06/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2506101
Chloride	71.6	20.0	1	02/06/25	02/07/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 10:07:29AM

BS25-40 2'

E502047-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506094
Benzene	ND	0.0250	1	02/06/25	02/08/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/08/25	
Toluene	ND	0.0250	1	02/06/25	02/08/25	
o-Xylene	ND	0.0250	1	02/06/25	02/08/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/08/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.4 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506094
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.0 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506099
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
<i>Surrogate: n-Nonane</i>						
	110 %	61-141		02/06/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2506101
Chloride	140	20.0	1	02/06/25	02/07/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 10:07:29AM

BS25-41 2'

E502047-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506094
Benzene	ND	0.0250	1	02/06/25	02/08/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/08/25	
Toluene	ND	0.0250	1	02/06/25	02/08/25	
o-Xylene	ND	0.0250	1	02/06/25	02/08/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/08/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.0 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506094
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.9 %	70-130		02/06/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506099
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
<i>Surrogate: n-Nonane</i>						
	114 %	61-141		02/06/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2506101
Chloride	201	20.0	1	02/06/25	02/07/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 10:07:29AM

BS25-42 2'

E502047-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506090
Benzene	ND	0.0250	1	02/06/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/07/25	
Toluene	ND	0.0250	1	02/06/25	02/07/25	
o-Xylene	ND	0.0250	1	02/06/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/07/25	
Surrogate: Bromofluorobenzene	97.9 %	70-130		02/06/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	93.6 %	70-130		02/06/25	02/07/25	
Surrogate: Toluene-d8	99.9 %	70-130		02/06/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506090
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/07/25	
Surrogate: Bromofluorobenzene	97.9 %	70-130		02/06/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	93.6 %	70-130		02/06/25	02/07/25	
Surrogate: Toluene-d8	99.9 %	70-130		02/06/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506100
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
Surrogate: n-Nonane	107 %	61-141		02/06/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506098
Chloride	306	20.0	1	02/06/25	02/06/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 10:07:29AM

BS25-43 2'

E502047-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506090
Benzene	ND	0.0250	1	02/06/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/07/25	
Toluene	ND	0.0250	1	02/06/25	02/07/25	
o-Xylene	ND	0.0250	1	02/06/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/07/25	
Surrogate: Bromofluorobenzene	95.8 %	70-130		02/06/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	95.8 %	70-130		02/06/25	02/07/25	
Surrogate: Toluene-d8	98.6 %	70-130		02/06/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506090
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/07/25	
Surrogate: Bromofluorobenzene	95.8 %	70-130		02/06/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	95.8 %	70-130		02/06/25	02/07/25	
Surrogate: Toluene-d8	98.6 %	70-130		02/06/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506100
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
Surrogate: n-Nonane	105 %	61-141		02/06/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506098
Chloride	113	20.0	1	02/06/25	02/06/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 10:07:29AM

BS25-44 4'

E502047-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506090
Benzene	ND	0.0250	1	02/06/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/07/25	
Toluene	ND	0.0250	1	02/06/25	02/07/25	
o-Xylene	ND	0.0250	1	02/06/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/07/25	
Surrogate: Bromofluorobenzene	96.8 %	70-130		02/06/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		02/06/25	02/07/25	
Surrogate: Toluene-d8	102 %	70-130		02/06/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506090
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/07/25	
Surrogate: Bromofluorobenzene	96.8 %	70-130		02/06/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		02/06/25	02/07/25	
Surrogate: Toluene-d8	102 %	70-130		02/06/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506100
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
Surrogate: n-Nonane	107 %	61-141		02/06/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506098
Chloride	534	20.0	1	02/06/25	02/07/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 10:07:29AM

BS25-45 4'

E502047-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506090
Benzene	ND	0.0250	1	02/06/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/07/25	
Toluene	ND	0.0250	1	02/06/25	02/07/25	
o-Xylene	ND	0.0250	1	02/06/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/07/25	
Surrogate: Bromofluorobenzene	94.4 %	70-130		02/06/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		02/06/25	02/07/25	
Surrogate: Toluene-d8	97.8 %	70-130		02/06/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506090
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/07/25	
Surrogate: Bromofluorobenzene	94.4 %	70-130		02/06/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		02/06/25	02/07/25	
Surrogate: Toluene-d8	97.8 %	70-130		02/06/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506100
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
Surrogate: n-Nonane	109 %	61-141		02/06/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506098
Chloride	529	20.0	1	02/06/25	02/07/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 10:07:29AM

BS25-46 2'

E502047-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506090
Benzene	ND	0.0250	1	02/06/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/07/25	
Toluene	ND	0.0250	1	02/06/25	02/07/25	
o-Xylene	ND	0.0250	1	02/06/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/07/25	
Surrogate: Bromofluorobenzene	96.7 %	70-130		02/06/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130		02/06/25	02/07/25	
Surrogate: Toluene-d8	99.3 %	70-130		02/06/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506090
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/07/25	
Surrogate: Bromofluorobenzene	96.7 %	70-130		02/06/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130		02/06/25	02/07/25	
Surrogate: Toluene-d8	99.3 %	70-130		02/06/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506100
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
Surrogate: n-Nonane	110 %	61-141		02/06/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506098
Chloride	210	20.0	1	02/06/25	02/07/25	



QC Summary Data

Vertex Resource Services Inc.	Project Name:	Prometheus A CTB	Reported:
3101 Boyd Drive	Project Number:	24015-0001	
Carlsbad NM, 88220	Project Manager:	Chance Dixon	2/11/2025 10:07:29AM

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 (2506090-BLK1)

Prepared: 02/06/25 Analyzed: 02/07/25

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	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.2	70-130			

LCS (2506090-BS1)

Prepared: 02/06/25 Analyzed: 02/07/25

Benzene	2.42	0.0250	2.50		96.9	70-130			
Ethylbenzene	2.46	0.0250	2.50		98.3	70-130			
Toluene	2.36	0.0250	2.50		94.4	70-130			
o-Xylene	2.31	0.0250	2.50		92.3	70-130			
p,m-Xylene	4.64	0.0500	5.00		92.8	70-130			
Total Xylenes	6.95	0.0250	7.50		92.6	70-130			
Surrogate: Bromofluorobenzene	0.480		0.500		95.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130			
Surrogate: Toluene-d8	0.483		0.500		96.5	70-130			

Matrix Spike (2506090-MS1)

Source: E502046-05

Prepared: 02/06/25 Analyzed: 02/07/25

Benzene	2.44	0.0250	2.50	ND	97.4	48-131			
Ethylbenzene	2.50	0.0250	2.50	ND	100	45-135			
Toluene	2.42	0.0250	2.50	ND	96.7	48-130			
o-Xylene	2.40	0.0250	2.50	ND	96.0	43-135			
p,m-Xylene	4.80	0.0500	5.00	ND	96.0	43-135			
Total Xylenes	7.20	0.0250	7.50	ND	96.0	43-135			
Surrogate: Bromofluorobenzene	0.478		0.500		95.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.487		0.500		97.4	70-130			

Matrix Spike Dup (2506090-MSD1)

Source: E502046-05

Prepared: 02/06/25 Analyzed: 02/07/25

Benzene	2.27	0.0250	2.50	ND	91.0	48-131	6.86	23	
Ethylbenzene	2.33	0.0250	2.50	ND	93.3	45-135	7.05	27	
Toluene	2.26	0.0250	2.50	ND	90.3	48-130	6.82	24	
o-Xylene	2.23	0.0250	2.50	ND	89.1	43-135	7.43	27	
p,m-Xylene	4.44	0.0500	5.00	ND	88.9	43-135	7.68	27	
Total Xylenes	6.67	0.0250	7.50	ND	89.0	43-135	7.60	27	
Surrogate: Bromofluorobenzene	0.479		0.500		95.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130			
Surrogate: Toluene-d8	0.481		0.500		96.2	70-130			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/11/2025 10:07:29AM
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506094-BLK1) Prepared: 02/06/25 Analyzed: 02/08/25

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	7.06		8.00		88.2	70-130			

LCS (2506094-BS1) Prepared: 02/06/25 Analyzed: 02/08/25

Benzene	4.54	0.0250	5.00		90.8	70-130			
Ethylbenzene	4.47	0.0250	5.00		89.5	70-130			
Toluene	4.54	0.0250	5.00		90.8	70-130			
o-Xylene	4.51	0.0250	5.00		90.2	70-130			
p,m-Xylene	9.10	0.0500	10.0		91.0	70-130			
Total Xylenes	13.6	0.0250	15.0		90.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.03		8.00		87.9	70-130			

Matrix Spike (2506094-MS1) Source: E502047-04 Prepared: 02/06/25 Analyzed: 02/08/25

Benzene	4.85	0.0250	5.00	ND	96.9	54-133			
Ethylbenzene	4.78	0.0250	5.00	ND	95.6	61-133			
Toluene	4.85	0.0250	5.00	ND	97.1	61-130			
o-Xylene	4.81	0.0250	5.00	ND	96.2	63-131			
p,m-Xylene	9.70	0.0500	10.0	ND	97.0	63-131			
Total Xylenes	14.5	0.0250	15.0	ND	96.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID	6.97		8.00		87.1	70-130			

Matrix Spike Dup (2506094-MSD1) Source: E502047-04 Prepared: 02/06/25 Analyzed: 02/08/25

Benzene	4.92	0.0250	5.00	ND	98.5	54-133	1.57	20	
Ethylbenzene	4.87	0.0250	5.00	ND	97.3	61-133	1.78	20	
Toluene	4.93	0.0250	5.00	ND	98.7	61-130	1.65	20	
o-Xylene	4.88	0.0250	5.00	ND	97.5	63-131	1.40	20	
p,m-Xylene	9.87	0.0500	10.0	ND	98.7	63-131	1.75	20	
Total Xylenes	14.7	0.0250	15.0	ND	98.3	63-131	1.63	20	
Surrogate: 4-Bromochlorobenzene-PID	6.92		8.00		86.5	70-130			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/11/2025 10:07:29AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506090-BLK1)

Prepared: 02/06/25 Analyzed: 02/07/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.2	70-130			

LCS (2506090-BS2)

Prepared: 02/06/25 Analyzed: 02/07/25

Gasoline Range Organics (C6-C10)	50.5	20.0	50.0		101	70-130			
Surrogate: Bromofluorobenzene	0.476		0.500		95.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.490		0.500		97.9	70-130			

Matrix Spike (2506090-MS2)

Source: E502046-05

Prepared: 02/06/25 Analyzed: 02/07/25

Gasoline Range Organics (C6-C10)	51.8	20.0	50.0	ND	104	70-130			
Surrogate: Bromofluorobenzene	0.483		0.500		96.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500		100	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.3	70-130			

Matrix Spike Dup (2506090-MSD2)

Source: E502046-05

Prepared: 02/06/25 Analyzed: 02/07/25

Gasoline Range Organics (C6-C10)	49.3	20.0	50.0	ND	98.6	70-130	4.92	20	
Surrogate: Bromofluorobenzene	0.482		0.500		96.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.3	70-130			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/11/2025 10:07:29AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506094-BLK1)

Prepared: 02/06/25 Analyzed: 02/08/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.3	70-130			

LCS (2506094-BS2)

Prepared: 02/06/25 Analyzed: 02/08/25

Gasoline Range Organics (C6-C10)	39.4	20.0	50.0		78.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.7	70-130			

Matrix Spike (2506094-MS2)

Source: E502047-04

Prepared: 02/06/25 Analyzed: 02/08/25

Gasoline Range Organics (C6-C10)	39.3	20.0	50.0	ND	78.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.9	70-130			

Matrix Spike Dup (2506094-MSD2)

Source: E502047-04

Prepared: 02/06/25 Analyzed: 02/08/25

Gasoline Range Organics (C6-C10)	39.4	20.0	50.0	ND	78.9	70-130	0.289	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/11/2025 10:07:29AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506099-BLK1)					Prepared: 02/06/25 Analyzed: 02/06/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.4		50.0		109	61-141			

LCS (2506099-BS1)					Prepared: 02/06/25 Analyzed: 02/06/25				
Diesel Range Organics (C10-C28)	290	25.0	250		116	66-144			
Surrogate: n-Nonane	54.5		50.0		109	61-141			

Matrix Spike (2506099-MS1)					Source: E502047-05		Prepared: 02/06/25 Analyzed: 02/06/25		
Diesel Range Organics (C10-C28)	297	25.0	250	ND	119	56-156			
Surrogate: n-Nonane	56.2		50.0		112	61-141			

Matrix Spike Dup (2506099-MSD1)					Source: E502047-05		Prepared: 02/06/25 Analyzed: 02/06/25		
Diesel Range Organics (C10-C28)	298	25.0	250	ND	119	56-156	0.168	20	
Surrogate: n-Nonane	56.7		50.0		113	61-141			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/11/2025 10:07:29AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506100-BLK1)					Prepared: 02/06/25 Analyzed: 02/07/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.3		50.0		101	61-141			

LCS (2506100-BS1)					Prepared: 02/06/25 Analyzed: 02/07/25				
Diesel Range Organics (C10-C28)	258	25.0	250		103	66-144			
Surrogate: n-Nonane	52.6		50.0		105	61-141			

Matrix Spike (2506100-MS1)					Source: E502046-08		Prepared: 02/06/25 Analyzed: 02/07/25		
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	56-156			
Surrogate: n-Nonane	53.7		50.0		107	61-141			

Matrix Spike Dup (2506100-MSD1)					Source: E502046-08		Prepared: 02/06/25 Analyzed: 02/07/25		
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	56-156	2.00	20	
Surrogate: n-Nonane	53.3		50.0		107	61-141			



QC Summary Data

Vertex Resource Services Inc.	Project Name:	Prometheus A CTB	Reported:
3101 Boyd Drive	Project Number:	24015-0001	
Carlsbad NM, 88220	Project Manager:	Chance Dixon	2/11/2025 10:07:29AM

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 (2506098-BLK1)					Prepared: 02/06/25 Analyzed: 02/06/25				
Chloride	ND	20.0							
LCS (2506098-BS1)					Prepared: 02/06/25 Analyzed: 02/06/25				
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2506098-MS1)					Source: E502043-03		Prepared: 02/06/25 Analyzed: 02/06/25		
Chloride	528	20.0	250	276	101	80-120			
Matrix Spike Dup (2506098-MSD1)					Source: E502043-03		Prepared: 02/06/25 Analyzed: 02/06/25		
Chloride	525	20.0	250	276	99.5	80-120	0.532	20	



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/11/2025 10:07:29AM
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Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506101-BLK1)					Prepared: 02/06/25 Analyzed: 02/06/25				
Chloride	ND	20.0							
LCS (2506101-BS1)					Prepared: 02/06/25 Analyzed: 02/06/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2506101-MS1)					Source: E502047-04		Prepared: 02/06/25 Analyzed: 02/06/25		
Chloride	449	20.0	250	234	86.2	80-120			
Matrix Spike Dup (2506101-MSD1)					Source: E502047-04		Prepared: 02/06/25 Analyzed: 02/06/25		
Chloride	492	20.0	250	234	103	80-120	9.19	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 A CTB	
3101 Boyd Drive	Project Number:	24015-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	02/11/25 10:07

- 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

Page 1 of 3

Client Information				Invoice Information		Lab Use Only		TAT		State								
Client: <u>TAP ROCK Vertex</u>				Company: <u>TAP ROCK</u>		Lab WO# <u>E502047</u> Job Number <u>24015.0001</u>		1D 2D 3D Std		NM CO UT TX								
Project Name: <u>Prometheus A CTS</u>				Address:														
Project Manager: <u>Chana Dixon</u>				City, State, Zip: <u>on file</u>														
Address:				Phone:														
City, State, Zip: <u>on file</u>				Email:														
Phone:				Miscellaneous:														
Email: <u>C.dixon@vertexresur.com</u>																		
Sample Information						Analysis and Method						EPA Program						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	SDWA	CWA	RCRA
9:00	2/3	Soil		BS25-08	2'	1						X						
9:30				BS25-09	2'	2												
10:00				BS25-10	2'	3												
10:30				BS25-12	2'	4												
11:00				BS25-13	2'	5												
11:30				BS25-14	2'	6												
12:00				BS25-16	2'	7												
12:30				BS25-17	2'	8												
13:00				BS25-18	2'	9												
13:30				BS25-19	2'	10												
Additional Instructions:																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Sampled by: <u>Katrina Taylor</u>																		
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 5 °C on subsequent days. Lab Use Only Received on ice: <u>Y</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>						
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA						
Note: Samples are discarded 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

Page 2 of 3

Client Information				Invoice Information		Lab Use Only		TAT				State						
Client: <u>Vertex</u>				Company: <u>TAP ROCK</u>		Lab WO# <u>E502047</u>		Job Number <u>24015-0001</u>				1D 2D 3D Std						
Project Name: <u>Prometheus A-17B</u>				Address:								NM CO UT TX						
Project Manager: <u>Chance Dixon</u>				City, State, Zip: <u>on file</u>														
Address:				Phone:														
City, State, Zip: <u>on file</u>				Email:														
Phone:				Miscellaneous:														
Email: <u>C.dixon@vertexresource.com</u>																		
Sample Information						Analysis and Method								EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	SDWA	CWA	RCRA
14:00	2/3	Soil		BS25-20	2'	11						X						
14:30	↓	↓		BS25-25	2'	12												
9:00	2/4			BS25-26	2'	13												
9:30	↓	↓		BS25-34	2'	14												
10:00	↓	↓		BS25-36	2'	15												
10:30	↓	↓		BS25-37	2'	16												
11:00	↓	↓		BS25-38	2'	17												
11:30	↓	↓		BS25-39	2'	18												
12:00	↓	↓		BS25-40	2'	19												
12:30	↓	↓		BS25-41	2'	20												
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: <u>Katrina Taylor</u>																		
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 5 °C on subsequent days. Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>						
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																		
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
Note: Samples are discarded 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

Page 3 of 3

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: <u>Vertex</u>				Company: <u>TAP ROCK</u>				Lab WO# <u>E502047</u>		Job Number <u>24015.0001</u>		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: <u>Prometheus A C7B</u>				Address:															
Project Manager:				City, State, Zip:															
Address:				Phone:															
City, State, Zip:				Email:															
Phone:				Miscellaneous:															
Email:																			

Sample Information							Analysis and Method										EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	SDWA	CWA	RCRA		
13:00	2/3	Soil		BS25-42	2'	21						X								
13:30	↓	↓		BS25-43	2'	22														
14:00	↓	↓		BS25-44	4'	23														
14:30	↓	↓		BS25-45	4'	24														
15:00	↓	↓		BS25-46	2'	25														

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: Katrina Taylor

Relinquished by: (Signature) <u>Andrew Taylor</u>	Date <u>2/5</u>	Time <u>8:00</u>	Received by: (Signature) <u>Michelle Gonzales</u>	Date <u>2-5-25</u>	Time <u>0800</u>
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date <u>2-5-25</u>	Time <u>1600</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>2-5-25</u>	Time <u>1600</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>2-5-25</u>	Time <u>2130</u>	Received by: (Signature) <u>Carly Mar</u>	Date <u>2-6-25</u>	Time <u>600</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date	Time	Received by: (Signature)	Date	Time

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

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

Note: Samples are discarded 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: 2/6/2025 9:57:20AM

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:	02/06/25 06:00	Work Order ID:	E502047
Phone:	(575) 748-0176	Date Logged In:	02/05/25 15:27	Logged In By:	Caitlin Mars
Email:	cdixon@vertexresource.com	Due Date:	02/12/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

No of containers not provided on COC.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Sample Summary

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 02/12/25 09:56
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BS25-47 2'	E502057-01A	Soil	02/05/25	02/07/25	Glass Jar, 4 oz.
BS25-48 2'	E502057-02A	Soil	02/05/25	02/07/25	Glass Jar, 4 oz.
BS25-50 4'	E502057-03A	Soil	02/05/25	02/07/25	Glass Jar, 4 oz.
BS25-52 2'	E502057-04A	Soil	02/05/25	02/07/25	Glass Jar, 4 oz.
BS25-53 2'	E502057-05A	Soil	02/05/25	02/07/25	Glass Jar, 4 oz.
BS25-54 2'	E502057-06A	Soil	02/05/25	02/07/25	Glass Jar, 4 oz.
BS25-55 2'	E502057-07A	Soil	02/05/25	02/07/25	Glass Jar, 4 oz.
BS25-56 2'	E502057-08A	Soil	02/05/25	02/07/25	Glass Jar, 4 oz.
BS25-59 2'	E502057-09A	Soil	02/05/25	02/07/25	Glass Jar, 4 oz.
BS25-60 2'	E502057-10A	Soil	02/05/25	02/07/25	Glass Jar, 4 oz.
BS25-61 2'	E502057-11A	Soil	02/05/25	02/07/25	Glass Jar, 4 oz.
BS25-64 2'	E502057-12A	Soil	02/05/25	02/07/25	Glass Jar, 4 oz.
BS25-65 2'	E502057-13A	Soil	02/05/25	02/07/25	Glass Jar, 4 oz.
BS25-67 2'	E502057-14A	Soil	02/05/25	02/07/25	Glass Jar, 4 oz.
BS25-68 2'	E502057-15A	Soil	02/05/25	02/07/25	Glass Jar, 4 oz.
BS25-69 2'	E502057-16A	Soil	02/05/25	02/07/25	Glass Jar, 4 oz.
BS25-71 2'	E502057-17A	Soil	02/05/25	02/07/25	Glass Jar, 4 oz.



Sample Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/12/2025 9:56:23AM
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BS25-47 2'

E502057-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506114
Benzene	ND	0.0250	1	02/07/25	02/08/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/08/25	
Toluene	ND	0.0250	1	02/07/25	02/08/25	
o-Xylene	ND	0.0250	1	02/07/25	02/08/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/08/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/08/25	
Surrogate: Bromofluorobenzene		103 %	70-130	02/07/25	02/08/25	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130	02/07/25	02/08/25	
Surrogate: Toluene-d8		105 %	70-130	02/07/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506114
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/08/25	
Surrogate: Bromofluorobenzene		103 %	70-130	02/07/25	02/08/25	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130	02/07/25	02/08/25	
Surrogate: Toluene-d8		105 %	70-130	02/07/25	02/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane		111 %	61-141	02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2506117
Chloride	351	20.0	1	02/07/25	02/07/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/12/2025 9:56:23AM

BS25-48 2'

E502057-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506114
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene		107 %	70-130	02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4		92.6 %	70-130	02/07/25	02/10/25	
Surrogate: Toluene-d8		105 %	70-130	02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506114
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene		107 %	70-130	02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4		92.6 %	70-130	02/07/25	02/10/25	
Surrogate: Toluene-d8		105 %	70-130	02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane		111 %	61-141	02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2506117
Chloride	98.9	20.0	1	02/07/25	02/07/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/12/2025 9:56:23AM

BS25-50 4'

E502057-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506114
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene		103 %	70-130	02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130	02/07/25	02/10/25	
Surrogate: Toluene-d8		106 %	70-130	02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506114
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene		103 %	70-130	02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130	02/07/25	02/10/25	
Surrogate: Toluene-d8		106 %	70-130	02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane		108 %	61-141	02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2506117
Chloride	541	20.0	1	02/07/25	02/07/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/12/2025 9:56:23AM

BS25-52 2'

E502057-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506114
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene		103 %	70-130	02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130	02/07/25	02/10/25	
Surrogate: Toluene-d8		105 %	70-130	02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506114
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene		103 %	70-130	02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130	02/07/25	02/10/25	
Surrogate: Toluene-d8		105 %	70-130	02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane		113 %	61-141	02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2506117
Chloride	474	20.0	1	02/07/25	02/07/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/12/2025 9:56:23AM

BS25-53 2'

E502057-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506114
Benzene	ND	0.0250	1	02/07/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/07/25	
Toluene	ND	0.0250	1	02/07/25	02/07/25	
o-Xylene	ND	0.0250	1	02/07/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/07/25	
Surrogate: Bromofluorobenzene		103 %	70-130	02/07/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	02/07/25	02/07/25	
Surrogate: Toluene-d8		105 %	70-130	02/07/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506114
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/07/25	
Surrogate: Bromofluorobenzene		103 %	70-130	02/07/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	02/07/25	02/07/25	
Surrogate: Toluene-d8		105 %	70-130	02/07/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane		116 %	61-141	02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2506117
Chloride	326	20.0	1	02/07/25	02/07/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/12/2025 9:56:23AM

BS25-54 2'

E502057-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506114
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene		101 %	70-130	02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130	02/07/25	02/10/25	
Surrogate: Toluene-d8		105 %	70-130	02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506114
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene		101 %	70-130	02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130	02/07/25	02/10/25	
Surrogate: Toluene-d8		105 %	70-130	02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane		108 %	61-141	02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2506117
Chloride	826	20.0	1	02/07/25	02/07/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/12/2025 9:56:23AM

BS25-55 2'

E502057-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506114
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene		101 %	70-130	02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130	02/07/25	02/10/25	
Surrogate: Toluene-d8		106 %	70-130	02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506114
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene		101 %	70-130	02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130	02/07/25	02/10/25	
Surrogate: Toluene-d8		106 %	70-130	02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane		115 %	61-141	02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2506117
Chloride	306	20.0	1	02/07/25	02/07/25	



Sample Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/12/2025 9:56:23AM
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BS25-56 2'

E502057-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506114
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene		103 %	70-130	02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	02/07/25	02/10/25	
Surrogate: Toluene-d8		106 %	70-130	02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506114
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene		103 %	70-130	02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	02/07/25	02/10/25	
Surrogate: Toluene-d8		106 %	70-130	02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane		113 %	61-141	02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2506117
Chloride	460	20.0	1	02/07/25	02/07/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/12/2025 9:56:23AM

BS25-59 2'

E502057-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506114
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene		102 %	70-130	02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	02/07/25	02/10/25	
Surrogate: Toluene-d8		105 %	70-130	02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506114
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene		102 %	70-130	02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	02/07/25	02/10/25	
Surrogate: Toluene-d8		105 %	70-130	02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane		105 %	61-141	02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2506117
Chloride	613	20.0	1	02/07/25	02/07/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/12/2025 9:56:23AM

BS25-60 2'

E502057-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506114
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene		104 %	70-130	02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	02/07/25	02/10/25	
Surrogate: Toluene-d8		105 %	70-130	02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506114
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene		104 %	70-130	02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	02/07/25	02/10/25	
Surrogate: Toluene-d8		105 %	70-130	02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane		120 %	61-141	02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2506117
Chloride	280	20.0	1	02/07/25	02/07/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/12/2025 9:56:23AM

BS25-61 2'

E502057-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506114
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene		104 %	70-130	02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	02/07/25	02/10/25	
Surrogate: Toluene-d8		107 %	70-130	02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506114
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene		104 %	70-130	02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	02/07/25	02/10/25	
Surrogate: Toluene-d8		107 %	70-130	02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane		115 %	61-141	02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2506117
Chloride	279	20.0	1	02/07/25	02/07/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/12/2025 9:56:23AM

BS25-64 2'

E502057-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2506114	
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene		101 %	70-130	02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	02/07/25	02/10/25	
Surrogate: Toluene-d8		106 %	70-130	02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2506114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene		101 %	70-130	02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	02/07/25	02/10/25	
Surrogate: Toluene-d8		106 %	70-130	02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2506109	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane		110 %	61-141	02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2506117	
Chloride	280	20.0	1	02/07/25	02/07/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/12/2025 9:56:23AM

BS25-65 2'

E502057-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506114
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene	99.7 %	70-130		02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4	99.7 %	70-130		02/07/25	02/10/25	
Surrogate: Toluene-d8	103 %	70-130		02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506114
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene	99.7 %	70-130		02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4	99.7 %	70-130		02/07/25	02/10/25	
Surrogate: Toluene-d8	103 %	70-130		02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane	114 %	61-141		02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2506117
Chloride	445	20.0	1	02/07/25	02/07/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/12/2025 9:56:23AM

BS25-67 2'

E502057-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506114
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene		101 %	70-130	02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	02/07/25	02/10/25	
Surrogate: Toluene-d8		106 %	70-130	02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506114
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene		101 %	70-130	02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	02/07/25	02/10/25	
Surrogate: Toluene-d8		106 %	70-130	02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/08/25	
Surrogate: n-Nonane		114 %	61-141	02/07/25	02/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2506117
Chloride	174	20.0	1	02/07/25	02/07/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/12/2025 9:56:23AM

BS25-68 2'

E502057-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506114
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene		101 %	70-130	02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	02/07/25	02/10/25	
Surrogate: Toluene-d8		105 %	70-130	02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506114
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene		101 %	70-130	02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	02/07/25	02/10/25	
Surrogate: Toluene-d8		105 %	70-130	02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/08/25	
Surrogate: n-Nonane		115 %	61-141	02/07/25	02/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2506117
Chloride	292	20.0	1	02/07/25	02/07/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/12/2025 9:56:23AM

BS25-69 2'

E502057-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506114
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene		101 %	70-130	02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	02/07/25	02/10/25	
Surrogate: Toluene-d8		103 %	70-130	02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2506114
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene		101 %	70-130	02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	02/07/25	02/10/25	
Surrogate: Toluene-d8		103 %	70-130	02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/08/25	
Surrogate: n-Nonane		116 %	61-141	02/07/25	02/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2506117
Chloride	261	20.0	1	02/07/25	02/07/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/12/2025 9:56:23AM

BS25-71 2'

E502057-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2506114	
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene		103 %	70-130	02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	02/07/25	02/10/25	
Surrogate: Toluene-d8		104 %	70-130	02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2506114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene		103 %	70-130	02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	02/07/25	02/10/25	
Surrogate: Toluene-d8		104 %	70-130	02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2506109	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/08/25	
Surrogate: n-Nonane		112 %	61-141	02/07/25	02/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2506117	
Chloride	159	20.0	1	02/07/25	02/07/25	



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/12/2025 9:56:23AM
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Volatile Organic Compounds by EPA 8260B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506114-BLK1)

Prepared: 02/07/25 Analyzed: 02/07/25

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	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			

LCS (2506114-BS1)

Prepared: 02/07/25 Analyzed: 02/07/25

Benzene	2.48	0.0250	2.50		99.4	70-130			
Ethylbenzene	2.55	0.0250	2.50		102	70-130			
Toluene	2.67	0.0250	2.50		107	70-130			
o-Xylene	2.46	0.0250	2.50		98.4	70-130			
p,m-Xylene	5.23	0.0500	5.00		105	70-130			
Total Xylenes	7.69	0.0250	7.50		102	70-130			
Surrogate: Bromofluorobenzene	0.487		0.500		97.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			

Matrix Spike (2506114-MS1)

Source: E502057-05

Prepared: 02/07/25 Analyzed: 02/07/25

Benzene	2.35	0.0250	2.50	ND	93.8	48-131			
Ethylbenzene	2.38	0.0250	2.50	ND	95.3	45-135			
Toluene	2.50	0.0250	2.50	ND	100	48-130			
o-Xylene	2.35	0.0250	2.50	ND	93.9	43-135			
p,m-Xylene	4.90	0.0500	5.00	ND	97.9	43-135			
Total Xylenes	7.25	0.0250	7.50	ND	96.6	43-135			
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.517		0.500		103	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			

Matrix Spike Dup (2506114-MSD1)

Source: E502057-05

Prepared: 02/07/25 Analyzed: 02/07/25

Benzene	2.39	0.0250	2.50	ND	95.7	48-131	2.01	23	
Ethylbenzene	2.45	0.0250	2.50	ND	98.1	45-135	2.92	27	
Toluene	2.59	0.0250	2.50	ND	104	48-130	3.44	24	
o-Xylene	2.46	0.0250	2.50	ND	98.4	43-135	4.66	27	
p,m-Xylene	5.16	0.0500	5.00	ND	103	43-135	5.30	27	
Total Xylenes	7.62	0.0250	7.50	ND	102	43-135	5.09	27	
Surrogate: Bromofluorobenzene	0.498		0.500		99.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.524		0.500		105	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/12/2025 9:56:23AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506114-BLK1)

Prepared: 02/07/25 Analyzed: 02/07/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			

LCS (2506114-BS2)

Prepared: 02/07/25 Analyzed: 02/07/25

Gasoline Range Organics (C6-C10)	56.3	20.0	50.0		113	70-130			
Surrogate: Bromofluorobenzene	0.516		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.516		0.500		103	70-130			
Surrogate: Toluene-d8	0.540		0.500		108	70-130			

Matrix Spike (2506114-MS2)

Source: E502057-05

Prepared: 02/07/25 Analyzed: 02/07/25

Gasoline Range Organics (C6-C10)	52.6	20.0	50.0	ND	105	70-130			
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			

Matrix Spike Dup (2506114-MSD2)

Source: E502057-05

Prepared: 02/07/25 Analyzed: 02/07/25

Gasoline Range Organics (C6-C10)	53.0	20.0	50.0	ND	106	70-130	0.755	20	
Surrogate: Bromofluorobenzene	0.527		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.513		0.500		103	70-130			
Surrogate: Toluene-d8	0.538		0.500		108	70-130			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/12/2025 9:56:23AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506109-BLK1)					Prepared: 02/07/25 Analyzed: 02/07/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.7		50.0		109	61-141			

LCS (2506109-BS1)					Prepared: 02/07/25 Analyzed: 02/07/25				
Diesel Range Organics (C10-C28)	284	25.0	250		113	66-144			
Surrogate: n-Nonane	56.0		50.0		112	61-141			

Matrix Spike (2506109-MS1)					Source: E502057-06		Prepared: 02/07/25 Analyzed: 02/07/25		
Diesel Range Organics (C10-C28)	290	25.0	250	ND	116	56-156			
Surrogate: n-Nonane	50.7		50.0		101	61-141			

Matrix Spike Dup (2506109-MSD1)					Source: E502057-06		Prepared: 02/07/25 Analyzed: 02/07/25		
Diesel Range Organics (C10-C28)	278	25.0	250	ND	111	56-156	4.08	20	
Surrogate: n-Nonane	54.0		50.0		108	61-141			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/12/2025 9:56:23AM
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Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506117-BLK1)					Prepared: 02/07/25 Analyzed: 02/07/25				
Chloride	ND	20.0							
LCS (2506117-BS1)					Prepared: 02/07/25 Analyzed: 02/07/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2506117-MS1)					Source: E502057-05		Prepared: 02/07/25 Analyzed: 02/07/25		
Chloride	583	20.0	250	326	103	80-120			
Matrix Spike Dup (2506117-MSD1)					Source: E502057-05		Prepared: 02/07/25 Analyzed: 02/07/25		
Chloride	577	20.0	250	326	100	80-120	0.978	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 A CTB	
3101 Boyd Drive	Project Number:	24015-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	02/12/25 09:56

- 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

Page 2 of 2

Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: <u>Ventex</u>				Company: <u>Tap Rock</u>		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: <u>Prometheus ACTB</u>				Address:		<u>E002057</u>	<u>6240150001</u>												
Project Manager: <u>Chale Dixon</u>				City, State, Zip: <u>on file</u>															
Address:				Phone:															
City, State, Zip: <u>on file</u>				Email:															
Phone:				Miscellaneous:															
Email: <u>C.dixon@ventex.ca</u>																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	SDWA	CWA	RCRA	
7:00	2/5/25	Soil		BS25-47		1						X							
7:30				BS25-48		2													
8:00				BS25-50		3													
8:30				BS25-52		4													
9:00				BS25-53		5													
9:30				BS25-54		6													
10:00				BS25-55		7													
10:30				BS25-56		8													
11:00				BS25-59		9													
11:30				BS25-60		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: <u>Katrina Taylor</u>																			
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 5 °C on subsequent days. Lab Use Only Received on ice: <u>(Y)</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container type: g - glass, p - poly/plastic, ag - amber glass, v - VOA							
Note: Samples are discarded 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.																			



envirotech

Chain of Custody

Page 2 of 2

Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: <u>Vertex</u>				Company: <u>Tap rock</u>		Lab WO# <u>E502057</u> Job Number <u>24015-001</u>		1D 2D 3D Std		NM CO UT TX									
Project Name: <u>Prometheus A CTB</u>				Address: <u>on file</u>															
Project Manager: <u>chance dixon</u>				City, State, Zip: <u>on file</u>															
Address: <u>on file</u>				Phone: <u>on file</u>															
City, State, Zip: <u>on file</u>				Email: <u>C.dixon@vertex.ca</u>															
Phone: <u>on file</u>				Miscellaneous:															
Email: <u>C.dixon@vertex.ca</u>																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	SDWA	CWA	RCRA	
12:00	2/5/25	Soil		BS25-61	2'	11													
12:30				BS25-64	2'	12													
1:00				BS25-65	2'	13													
1:30				BS25-67	2'	14													
2:00				BS25-68	2'	15													
2:30				BS25-69	2'	16													
3:00				BS25-71	2'	17													
2:24																			
Additional Instructions: <u>Send to Katrina Taylor @Vertex.ca</u>																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: <u>Katrina Taylor</u>																			
Relinquished by: (Signature) <u>Katrina Taylor</u>		Date <u>2/5</u>		Time <u>5PM</u>		Received by: (Signature) <u>Michelle Gonzales</u>		Date <u>2-6-25</u>		Time <u>1045</u>		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent day. Lab Use Only Received on ice: <u>Y</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>							
Relinquished by: (Signature) <u>Michelle Gonzales</u>		Date <u>2-6-25</u>		Time _____		Received by: (Signature) <u>John H.</u>		Date <u>2-6-25</u>		Time <u>1630</u>									
Relinquished by: (Signature) <u>John H.</u>		Date <u>2-6-25</u>		Time <u>2300</u>		Received by: (Signature) <u>Caitlynn</u>		Date <u>2-7-25</u>		Time <u>730</u>									
Relinquished by: (Signature) _____		Date _____		Time _____		Received by: (Signature) _____		Date _____		Time _____									
Sample Matrix: <u>S</u> - Soil, <u>Sd</u> - Solid, <u>Sg</u> - Sludge, <u>A</u> - Aqueous, <u>O</u> - Other										Container type: <u>g</u> - glass, <u>p</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - 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.																			



envirotech

Envirotech Analytical Laboratory

Printed: 2/7/2025 8:38:15AM

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:	02/07/25 07:30	Work Order ID:	E502057
Phone:	(575) 748-0176	Date Logged In:	02/06/25 15:35	Logged In By:	Caitlin Mars
Email:	cdixon@vertexresource.com	Due Date:	02/13/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

No of containers not provided on COC.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Sample Summary

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 02/11/25 15:50
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
WS25-03 0-2'	E502066-01A	Soil	02/07/25	02/10/25	Glass Jar, 4 oz.
WS25-04 0-2'	E502066-02A	Soil	02/07/25	02/10/25	Glass Jar, 4 oz.
WS25-05 0-2'	E502066-03A	Soil	02/07/25	02/10/25	Glass Jar, 4 oz.
WS25-08 0-2'	E502066-04A	Soil	02/07/25	02/10/25	Glass Jar, 4 oz.
WS25-09 0-2'	E502066-05A	Soil	02/07/25	02/10/25	Glass Jar, 4 oz.
WS25-10 0-2'	E502066-06A	Soil	02/07/25	02/10/25	Glass Jar, 4 oz.



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 3:50:29PM

WS25-03 0-2'

E502066-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507010
Benzene	ND	0.0250	1	02/10/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/10/25	02/10/25	
Toluene	ND	0.0250	1	02/10/25	02/10/25	
o-Xylene	ND	0.0250	1	02/10/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/10/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/10/25	02/10/25	
<i>Surrogate: Bromofluorobenzene</i>		96.2 %	70-130	02/10/25	02/10/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	02/10/25	02/10/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/10/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507010
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/10/25	02/10/25	
<i>Surrogate: Bromofluorobenzene</i>		96.2 %	70-130	02/10/25	02/10/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	02/10/25	02/10/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/10/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2507007
Diesel Range Organics (C10-C28)	ND	25.0	1	02/10/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/10/25	02/11/25	
<i>Surrogate: n-Nonane</i>		102 %	61-141	02/10/25	02/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2507014
Chloride	397	20.0	1	02/10/25	02/10/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 3:50:29PM

WS25-04 0-2'

E502066-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507010
Benzene	ND	0.0250	1	02/10/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/10/25	02/10/25	
Toluene	ND	0.0250	1	02/10/25	02/10/25	
o-Xylene	ND	0.0250	1	02/10/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/10/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/10/25	02/10/25	
Surrogate: Bromofluorobenzene	96.3 %	70-130		02/10/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		02/10/25	02/10/25	
Surrogate: Toluene-d8	103 %	70-130		02/10/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507010
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/10/25	02/10/25	
Surrogate: Bromofluorobenzene	96.3 %	70-130		02/10/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		02/10/25	02/10/25	
Surrogate: Toluene-d8	103 %	70-130		02/10/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2507007
Diesel Range Organics (C10-C28)	ND	25.0	1	02/10/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/10/25	02/11/25	
Surrogate: n-Nonane	109 %	61-141		02/10/25	02/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2507014
Chloride	364	20.0	1	02/10/25	02/10/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 3:50:29PM

WS25-05 0-2'

E502066-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507010
Benzene	ND	0.0250	1	02/10/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/10/25	02/10/25	
Toluene	ND	0.0250	1	02/10/25	02/10/25	
o-Xylene	ND	0.0250	1	02/10/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/10/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/10/25	02/10/25	
Surrogate: Bromofluorobenzene	95.6 %	70-130		02/10/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		02/10/25	02/10/25	
Surrogate: Toluene-d8	102 %	70-130		02/10/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507010
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/10/25	02/10/25	
Surrogate: Bromofluorobenzene	95.6 %	70-130		02/10/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		02/10/25	02/10/25	
Surrogate: Toluene-d8	102 %	70-130		02/10/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2507007
Diesel Range Organics (C10-C28)	ND	25.0	1	02/10/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/10/25	02/11/25	
Surrogate: n-Nonane	114 %	61-141		02/10/25	02/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2507014
Chloride	89.0	40.0	2	02/10/25	02/10/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 3:50:29PM

WS25-08 0-2'

E502066-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507010
Benzene	ND	0.0250	1	02/10/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/10/25	02/10/25	
Toluene	ND	0.0250	1	02/10/25	02/10/25	
o-Xylene	ND	0.0250	1	02/10/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/10/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/10/25	02/10/25	
Surrogate: Bromofluorobenzene	93.1 %	70-130		02/10/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		02/10/25	02/10/25	
Surrogate: Toluene-d8	101 %	70-130		02/10/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507010
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/10/25	02/10/25	
Surrogate: Bromofluorobenzene	93.1 %	70-130		02/10/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		02/10/25	02/10/25	
Surrogate: Toluene-d8	101 %	70-130		02/10/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2507007
Diesel Range Organics (C10-C28)	ND	25.0	1	02/10/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/10/25	02/11/25	
Surrogate: n-Nonane	107 %	61-141		02/10/25	02/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2507014
Chloride	122	20.0	1	02/10/25	02/10/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 3:50:29PM

WS25-09 0-2'

E502066-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507010
Benzene	ND	0.0250	1	02/10/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/10/25	02/10/25	
Toluene	ND	0.0250	1	02/10/25	02/10/25	
o-Xylene	ND	0.0250	1	02/10/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/10/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/10/25	02/10/25	
Surrogate: Bromofluorobenzene	94.9 %	70-130		02/10/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		02/10/25	02/10/25	
Surrogate: Toluene-d8	102 %	70-130		02/10/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507010
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/10/25	02/10/25	
Surrogate: Bromofluorobenzene	94.9 %	70-130		02/10/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		02/10/25	02/10/25	
Surrogate: Toluene-d8	102 %	70-130		02/10/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2507007
Diesel Range Organics (C10-C28)	ND	25.0	1	02/10/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/10/25	02/11/25	
Surrogate: n-Nonane	96.8 %	61-141		02/10/25	02/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2507014
Chloride	351	100	5	02/10/25	02/10/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/11/2025 3:50:29PM

WS25-10 0-2'

E502066-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507010
Benzene	ND	0.0250	1	02/10/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/10/25	02/10/25	
Toluene	ND	0.0250	1	02/10/25	02/10/25	
o-Xylene	ND	0.0250	1	02/10/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/10/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/10/25	02/10/25	
Surrogate: Bromofluorobenzene	95.8 %	70-130		02/10/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		02/10/25	02/10/25	
Surrogate: Toluene-d8	101 %	70-130		02/10/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507010
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/10/25	02/10/25	
Surrogate: Bromofluorobenzene	95.8 %	70-130		02/10/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		02/10/25	02/10/25	
Surrogate: Toluene-d8	101 %	70-130		02/10/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2507007
Diesel Range Organics (C10-C28)	ND	25.0	1	02/10/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/10/25	02/11/25	
Surrogate: n-Nonane	103 %	61-141		02/10/25	02/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2507014
Chloride	810	20.0	1	02/10/25	02/10/25	



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/11/2025 3:50:29PM
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Volatile Organic Compounds by EPA 8260B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507010-BLK1)

Prepared: 02/10/25 Analyzed: 02/10/25

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	0.471		0.500		94.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.2	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

LCS (2507010-BS1)

Prepared: 02/10/25 Analyzed: 02/10/25

Benzene	2.33	0.0250	2.50		93.1	70-130			
Ethylbenzene	2.35	0.0250	2.50		94.2	70-130			
Toluene	2.36	0.0250	2.50		94.4	70-130			
o-Xylene	2.37	0.0250	2.50		95.0	70-130			
p,m-Xylene	4.70	0.0500	5.00		94.0	70-130			
Total Xylenes	7.08	0.0250	7.50		94.3	70-130			
Surrogate: Bromofluorobenzene	0.474		0.500		94.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

Matrix Spike (2507010-MS1)

Source: E502065-07

Prepared: 02/10/25 Analyzed: 02/10/25

Benzene	2.42	0.0250	2.50	ND	96.9	48-131			
Ethylbenzene	2.39	0.0250	2.50	0.0280	94.4	45-135			
Toluene	2.50	0.0250	2.50	0.0970	96.1	48-130			
o-Xylene	2.55	0.0250	2.50	0.0595	99.6	43-135			
p,m-Xylene	5.11	0.0500	5.00	0.151	99.2	43-135			
Total Xylenes	7.66	0.0250	7.50	0.210	99.3	43-135			
Surrogate: Bromofluorobenzene	0.479		0.500		95.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			

Matrix Spike Dup (2507010-MSD1)

Source: E502065-07

Prepared: 02/10/25 Analyzed: 02/10/25

Benzene	2.49	0.0250	2.50	ND	99.5	48-131	2.69	23	
Ethylbenzene	2.50	0.0250	2.50	0.0280	98.9	45-135	4.60	27	
Toluene	2.63	0.0250	2.50	0.0970	101	48-130	5.09	24	
o-Xylene	2.61	0.0250	2.50	0.0595	102	43-135	2.15	27	
p,m-Xylene	5.24	0.0500	5.00	0.151	102	43-135	2.46	27	
Total Xylenes	7.84	0.0250	7.50	0.210	102	43-135	2.36	27	
Surrogate: Bromofluorobenzene	0.481		0.500		96.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/11/2025 3:50:29PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507010-BLK1)

Prepared: 02/10/25 Analyzed: 02/10/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.471		0.500		94.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.2	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

LCS (2507010-BS2)

Prepared: 02/10/25 Analyzed: 02/10/25

Gasoline Range Organics (C6-C10)	55.2	20.0	50.0		110	70-130			
Surrogate: Bromofluorobenzene	0.480		0.500		96.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

Matrix Spike (2507010-MS2)

Source: E502065-07

Prepared: 02/10/25 Analyzed: 02/10/25

Gasoline Range Organics (C6-C10)	73.5	20.0	50.0	ND	147	70-130			M6
Surrogate: Bromofluorobenzene	0.474		0.500		94.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500		100	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.1	70-130			

Matrix Spike Dup (2507010-MSD2)

Source: E502065-07

Prepared: 02/10/25 Analyzed: 02/10/25

Gasoline Range Organics (C6-C10)	71.0	20.0	50.0	ND	142	70-130	3.51	20	M6
Surrogate: Bromofluorobenzene	0.493		0.500		98.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/11/2025 3:50:29PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507007-BLK1)					Prepared: 02/10/25 Analyzed: 02/11/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.1		50.0		104	61-141			

LCS (2507007-BS1)					Prepared: 02/10/25 Analyzed: 02/11/25				
Diesel Range Organics (C10-C28)	254	25.0	250		102	66-144			
Surrogate: n-Nonane	52.0		50.0		104	61-141			

Matrix Spike (2507007-MS1)					Source: E502065-05		Prepared: 02/10/25 Analyzed: 02/11/25		
Diesel Range Organics (C10-C28)	45600	500	250	47700	NR	56-156		M4	
Surrogate: n-Nonane	758		50.0		NR	61-141			S5

Matrix Spike Dup (2507007-MSD1)					Source: E502065-05		Prepared: 02/10/25 Analyzed: 02/11/25		
Diesel Range Organics (C10-C28)	47600	500	250	47700	NR	56-156	4.25	20	M4
Surrogate: n-Nonane	776		50.0		NR	61-141			S5



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/11/2025 3:50:29PM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507014-BLK1)					Prepared: 02/10/25 Analyzed: 02/10/25				
Chloride	ND	20.0							
LCS (2507014-BS1)					Prepared: 02/10/25 Analyzed: 02/10/25				
Chloride	256	20.0	250		103	90-110			
Matrix Spike (2507014-MS1)					Source: E502065-05		Prepared: 02/10/25 Analyzed: 02/10/25		
Chloride	319	20.0	250	68.1	100	80-120			
Matrix Spike Dup (2507014-MSD1)					Source: E502065-05		Prepared: 02/10/25 Analyzed: 02/10/25		
Chloride	327	20.0	250	68.1	103	80-120	2.34	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 A CTB	
3101 Boyd Drive	Project Number:	24015-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	02/11/25 15:50

- 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.
- M6 Matrix spike recovery has a high bias. The native sample results were below the RL, but appears to have contributed to high MS recoveries.
- 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.



Chain of Custody

Page 1 of 1

Client Information				Invoice Information		Lab Use Only		TAT				State						
Client: <u>Vertex</u>				Company: <u>Tap Rock</u>		Lab WO# <u>E502066</u> Job Number <u>24015-0001</u>		1D	2D	3D	Std	NM	CO	UT	TX			
Project Name: <u>Prometheus A CTB</u>				Address:														
Project Manager: <u>Chance Dixon</u>				City, State, Zip: <u>on file</u>														
Address:				Phone:														
City, State, Zip: <u>on file</u>				Email:														
Phone:				Miscellaneous:														
Email: <u>C. Dixon @Vertex.Ca</u>																		
Sample Information										Analysis and Method				EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	SDWA	CWA	RCRA
9:00	2-7-25	Soil		WS25-03 0-2'		1						X						
9:30				WS25-04 0-2'		2												
10:00				WS25-05 0-2'		3												
10:30				WS25-08 0-2'		4												
11:00				WS25-09 0-2'		5												
11:30				WS25-10 0-2'		6												
	NS 2-11-25																	
Additional Instructions: <u>Send to Katrina Taylor @Vertex.Ca</u>																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Sampled by: <u>Katrina Taylor</u>																		
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 5 °C on treatment day. Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>						
<u>Katrina Taylor</u>		2/6/25		5pm		<u>Maryam Romo</u>		2-7-25		1030								
<u>Maryam Romo</u>		2-7-25		1600		<u>John St.</u>		2-7-25		1630								
<u>John St.</u>		2-7-25		2300		<u>Caitlin Mann</u>		2-10-25		730								
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.																		



envirotech

Chain of Custody

Page 1 of 1

Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: <u>Vertex</u>				Company: <u>Tap Rock</u>		Lab WO# <u>E502066</u> Job Number <u>24015-0001</u>		1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: <u>Prometheus A CTB</u>				Address:															
Project Manager: <u>Charles Dixon</u>				City, State, Zip: <u>on file</u>															
Address:				Phone:															
City, State, Zip: <u>on file</u>				Email:															
Phone:				Miscellaneous:															
Email: <u>C.dixon@Vertex.ca</u>																			
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	Cation/Anion Pkg	SDWA	CWA	RCRA	
9:00		Soil		WS25-03 0-2'		1							X						
9:30				WS25-04 0-2'		2													
10:00				WS25-05 0-2'		3													
10:30				WS25-08 0-2'		4													
11:00				WS25-09 0-2'		5													
11:30		↓		WS25-10 0-2'		6													
Additional Instructions: <u>Send to Katrina Taylor @Vertex.ca</u>																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: <u>Katrina Taylor</u>																			
Relinquished by: (Signature) <u>Katrina Taylor</u>				Date <u>2/6/25</u> Time <u>5pm</u>		Received by: (Signature) <u>Mariya Romo</u>				Date <u>2-7-25</u> Time <u>1030</u>		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days. Lab Use Only Received on ice: <u>(Y)</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>							
Relinquished by: (Signature) <u>Mariya Romo</u>				Date <u>2-7-25</u> Time <u>1600</u>		Received by: (Signature) <u>John M.</u>				Date <u>2-7-25</u> Time <u>1630</u>									
Relinquished by: (Signature) <u>John M.</u>				Date <u>2-7-25</u> Time <u>2300</u>		Received by: (Signature) <u>Carli M.</u>				Date <u>2-10-25</u> Time <u>730</u>									
Relinquished by: (Signature) _____				Date _____ Time _____		Received by: (Signature) _____				Date _____ Time _____									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 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.																			



envirotech

Envirotech Analytical Laboratory

Printed: 2/10/2025 8:44:26AM

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:	02/10/25 07:30	Work Order ID:	E502066
Phone:	(575) 748-0176	Date Logged In:	02/07/25 15:11	Logged In By:	Caitlin Mars
Email:	cdixon@vertexresource.com	Due Date:	02/14/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

No of containers and date sampled not provided on COC.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Sample Summary

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 02/14/25 10:50
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BS25-01 2.5'	E502075-01A	Soil	02/07/25	02/11/25	Glass Jar, 4 oz.
BS25-04 2.5'	E502075-02A	Soil	02/07/25	02/11/25	Glass Jar, 4 oz.
BS25-05 3'	E502075-03A	Soil	02/07/25	02/11/25	Glass Jar, 4 oz.
BS25-15 2.5'	E502075-04A	Soil	02/07/25	02/11/25	Glass Jar, 4 oz.
BS25-23 2.5'	E502075-05A	Soil	02/07/25	02/11/25	Glass Jar, 4 oz.
BS25-27 2.5'	E502075-06A	Soil	02/07/25	02/11/25	Glass Jar, 4 oz.
BS25-28 2.5'	E502075-07A	Soil	02/07/25	02/11/25	Glass Jar, 4 oz.
BS25-33 2.5'	E502075-08A	Soil	02/07/25	02/11/25	Glass Jar, 4 oz.
BS25-51 2'	E502075-09A	Soil	02/07/25	02/11/25	Glass Jar, 4 oz.



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/14/2025 10:50:39AM

BS25-01 2.5'

E502075-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507026
Benzene	ND	0.0250	1	02/11/25	02/11/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/11/25	
Toluene	ND	0.0250	1	02/11/25	02/11/25	
o-Xylene	ND	0.0250	1	02/11/25	02/11/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/11/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/11/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	02/11/25	02/11/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		106 %	70-130	02/11/25	02/11/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	02/11/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507026
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/11/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	02/11/25	02/11/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		106 %	70-130	02/11/25	02/11/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	02/11/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2507030
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		106 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2507032
Chloride	401	20.0	1	02/11/25	02/11/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/14/2025 10:50:39AM

BS25-04 2.5'

E502075-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507026
Benzene	ND	0.0250	1	02/11/25	02/11/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/11/25	
Toluene	ND	0.0250	1	02/11/25	02/11/25	
o-Xylene	ND	0.0250	1	02/11/25	02/11/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/11/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/11/25	
Surrogate: Bromofluorobenzene		102 %	70-130	02/11/25	02/11/25	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	02/11/25	02/11/25	
Surrogate: Toluene-d8		104 %	70-130	02/11/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507026
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/11/25	
Surrogate: Bromofluorobenzene		102 %	70-130	02/11/25	02/11/25	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	02/11/25	02/11/25	
Surrogate: Toluene-d8		104 %	70-130	02/11/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2507030
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
Surrogate: n-Nonane		111 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2507032
Chloride	505	20.0	1	02/11/25	02/11/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/14/2025 10:50:39AM

BS25-05 3'

E502075-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507026
Benzene	ND	0.0250	1	02/11/25	02/11/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/11/25	
Toluene	ND	0.0250	1	02/11/25	02/11/25	
o-Xylene	ND	0.0250	1	02/11/25	02/11/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/11/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/11/25	
Surrogate: Bromofluorobenzene		103 %	70-130	02/11/25	02/11/25	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	02/11/25	02/11/25	
Surrogate: Toluene-d8		105 %	70-130	02/11/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507026
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/11/25	
Surrogate: Bromofluorobenzene		103 %	70-130	02/11/25	02/11/25	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	02/11/25	02/11/25	
Surrogate: Toluene-d8		105 %	70-130	02/11/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2507030
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
Surrogate: n-Nonane		109 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2507032
Chloride	542	20.0	1	02/11/25	02/11/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/14/2025 10:50:39AM

BS25-15 2.5'

E502075-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507026
Benzene	ND	0.0250	1	02/11/25	02/11/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/11/25	
Toluene	ND	0.0250	1	02/11/25	02/11/25	
o-Xylene	ND	0.0250	1	02/11/25	02/11/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/11/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/11/25	
Surrogate: Bromofluorobenzene		102 %	70-130	02/11/25	02/11/25	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	02/11/25	02/11/25	
Surrogate: Toluene-d8		105 %	70-130	02/11/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507026
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/11/25	
Surrogate: Bromofluorobenzene		102 %	70-130	02/11/25	02/11/25	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	02/11/25	02/11/25	
Surrogate: Toluene-d8		105 %	70-130	02/11/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2507030
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
Surrogate: n-Nonane		110 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2507032
Chloride	456	20.0	1	02/11/25	02/11/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/14/2025 10:50:39AM

BS25-23 2.5'

E502075-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507026
Benzene	ND	0.0250	1	02/11/25	02/11/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/11/25	
Toluene	ND	0.0250	1	02/11/25	02/11/25	
o-Xylene	ND	0.0250	1	02/11/25	02/11/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/11/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/11/25	
Surrogate: Bromofluorobenzene		103 %	70-130	02/11/25	02/11/25	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	02/11/25	02/11/25	
Surrogate: Toluene-d8		106 %	70-130	02/11/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507026
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/11/25	
Surrogate: Bromofluorobenzene		103 %	70-130	02/11/25	02/11/25	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	02/11/25	02/11/25	
Surrogate: Toluene-d8		106 %	70-130	02/11/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2507030
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
Surrogate: n-Nonane		119 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2507032
Chloride	76.7	20.0	1	02/11/25	02/11/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/14/2025 10:50:39AM

BS25-27 2.5'

E502075-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507026
Benzene	ND	0.0250	1	02/11/25	02/11/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/11/25	
Toluene	ND	0.0250	1	02/11/25	02/11/25	
o-Xylene	ND	0.0250	1	02/11/25	02/11/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/11/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/11/25	
Surrogate: Bromofluorobenzene		101 %	70-130	02/11/25	02/11/25	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	02/11/25	02/11/25	
Surrogate: Toluene-d8		102 %	70-130	02/11/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507026
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/11/25	
Surrogate: Bromofluorobenzene		101 %	70-130	02/11/25	02/11/25	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	02/11/25	02/11/25	
Surrogate: Toluene-d8		102 %	70-130	02/11/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2507030
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
Surrogate: n-Nonane		115 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2507032
Chloride	ND	20.0	1	02/11/25	02/11/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/14/2025 10:50:39AM

BS25-28 2.5'

E502075-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507026
Benzene	ND	0.0250	1	02/11/25	02/11/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/11/25	
Toluene	ND	0.0250	1	02/11/25	02/11/25	
o-Xylene	ND	0.0250	1	02/11/25	02/11/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/11/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/11/25	
Surrogate: Bromofluorobenzene		103 %	70-130	02/11/25	02/11/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	02/11/25	02/11/25	
Surrogate: Toluene-d8		104 %	70-130	02/11/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507026
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/11/25	
Surrogate: Bromofluorobenzene		103 %	70-130	02/11/25	02/11/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	02/11/25	02/11/25	
Surrogate: Toluene-d8		104 %	70-130	02/11/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2507030
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
Surrogate: n-Nonane		110 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2507032
Chloride	722	20.0	1	02/11/25	02/11/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/14/2025 10:50:39AM

BS25-33 2.5'

E502075-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507026
Benzene	ND	0.0250	1	02/11/25	02/11/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/11/25	
Toluene	ND	0.0250	1	02/11/25	02/11/25	
o-Xylene	ND	0.0250	1	02/11/25	02/11/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/11/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/11/25	
Surrogate: Bromofluorobenzene		105 %	70-130	02/11/25	02/11/25	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	02/11/25	02/11/25	
Surrogate: Toluene-d8		106 %	70-130	02/11/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507026
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/11/25	
Surrogate: Bromofluorobenzene		105 %	70-130	02/11/25	02/11/25	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	02/11/25	02/11/25	
Surrogate: Toluene-d8		106 %	70-130	02/11/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2507030
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
Surrogate: n-Nonane		105 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2507032
Chloride	483	20.0	1	02/11/25	02/11/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/14/2025 10:50:39AM

BS25-51 2'

E502075-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507026
Benzene	ND	0.0250	1	02/11/25	02/11/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/11/25	
Toluene	ND	0.0250	1	02/11/25	02/11/25	
o-Xylene	ND	0.0250	1	02/11/25	02/11/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/11/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/11/25	
Surrogate: Bromofluorobenzene		101 %	70-130	02/11/25	02/11/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	02/11/25	02/11/25	
Surrogate: Toluene-d8		106 %	70-130	02/11/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507026
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/11/25	
Surrogate: Bromofluorobenzene		101 %	70-130	02/11/25	02/11/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	02/11/25	02/11/25	
Surrogate: Toluene-d8		106 %	70-130	02/11/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2507030
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
Surrogate: n-Nonane		108 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2507032
Chloride	684	20.0	1	02/11/25	02/11/25	



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/14/2025 10:50:39AM
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Volatile Organic Compounds by EPA 8260B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507026-BLK1)

Prepared: 02/11/25 Analyzed: 02/11/25

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	0.542		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

LCS (2507026-BS1)

Prepared: 02/11/25 Analyzed: 02/11/25

Benzene	2.16	0.0250	2.50		86.4	70-130			
Ethylbenzene	2.30	0.0250	2.50		92.2	70-130			
Toluene	2.37	0.0250	2.50		94.8	70-130			
o-Xylene	2.26	0.0250	2.50		90.5	70-130			
p,m-Xylene	4.75	0.0500	5.00		94.9	70-130			
Total Xylenes	7.01	0.0250	7.50		93.4	70-130			
Surrogate: Bromofluorobenzene	0.488		0.500		97.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

Matrix Spike (2507026-MS1)

Source: E502074-02

Prepared: 02/11/25 Analyzed: 02/11/25

Benzene	2.19	0.0250	2.50	ND	87.4	48-131			
Ethylbenzene	2.36	0.0250	2.50	ND	94.5	45-135			
Toluene	2.42	0.0250	2.50	ND	96.9	48-130			
o-Xylene	2.35	0.0250	2.50	ND	93.8	43-135			
p,m-Xylene	4.94	0.0500	5.00	ND	98.8	43-135			
Total Xylenes	7.28	0.0250	7.50	ND	97.1	43-135			
Surrogate: Bromofluorobenzene	0.494		0.500		98.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

Matrix Spike Dup (2507026-MSD1)

Source: E502074-02

Prepared: 02/11/25 Analyzed: 02/11/25

Benzene	2.11	0.0250	2.50	ND	84.4	48-131	3.54	23	
Ethylbenzene	2.23	0.0250	2.50	ND	89.2	45-135	5.77	27	
Toluene	2.34	0.0250	2.50	ND	93.6	48-130	3.44	24	
o-Xylene	2.28	0.0250	2.50	ND	91.4	43-135	2.66	27	
p,m-Xylene	4.80	0.0500	5.00	ND	96.0	43-135	2.87	27	
Total Xylenes	7.08	0.0250	7.50	ND	94.4	43-135	2.80	27	
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.3	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/14/2025 10:50:39AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507026-BLK1)

Prepared: 02/11/25 Analyzed: 02/11/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.542		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

LCS (2507026-BS2)

Prepared: 02/11/25 Analyzed: 02/11/25

Gasoline Range Organics (C6-C10)	59.0	20.0	50.0		118	70-130			
Surrogate: Bromofluorobenzene	0.531		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9	70-130			
Surrogate: Toluene-d8	0.535		0.500		107	70-130			

Matrix Spike (2507026-MS2)

Source: E502074-02

Prepared: 02/11/25 Analyzed: 02/11/25

Gasoline Range Organics (C6-C10)	57.9	20.0	50.0	ND	116	70-130			
Surrogate: Bromofluorobenzene	0.532		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.5	70-130			
Surrogate: Toluene-d8	0.531		0.500		106	70-130			

Matrix Spike Dup (2507026-MSD2)

Source: E502074-02

Prepared: 02/11/25 Analyzed: 02/11/25

Gasoline Range Organics (C6-C10)	60.3	20.0	50.0	ND	121	70-130	4.03	20	
Surrogate: Bromofluorobenzene	0.535		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.7	70-130			
Surrogate: Toluene-d8	0.544		0.500		109	70-130			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/14/2025 10:50:39AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507030-BLK1)					Prepared: 02/11/25 Analyzed: 02/11/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.2		50.0		106	61-141			

LCS (2507030-BS1)					Prepared: 02/11/25 Analyzed: 02/11/25				
Diesel Range Organics (C10-C28)	268	25.0	250		107	66-144			
Surrogate: n-Nonane	53.1		50.0		106	61-141			

Matrix Spike (2507030-MS1)					Source: E502073-02		Prepared: 02/11/25 Analyzed: 02/11/25		
Diesel Range Organics (C10-C28)	278	25.0	250	ND	111	56-156			
Surrogate: n-Nonane	55.0		50.0		110	61-141			

Matrix Spike Dup (2507030-MSD1)					Source: E502073-02		Prepared: 02/11/25 Analyzed: 02/11/25		
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	56-156	3.86	20	
Surrogate: n-Nonane	54.6		50.0		109	61-141			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/14/2025 10:50:39AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507032-BLK1)					Prepared: 02/11/25 Analyzed: 02/11/25				
Chloride	ND	20.0							
LCS (2507032-BS1)					Prepared: 02/11/25 Analyzed: 02/11/25				
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2507032-MS1)					Source: E502073-03		Prepared: 02/11/25 Analyzed: 02/11/25		
Chloride	704	20.0	250	515	75.4	80-120			M2
Matrix Spike Dup (2507032-MSD1)					Source: E502073-03		Prepared: 02/11/25 Analyzed: 02/11/25		
Chloride	726	20.0	250	515	84.4	80-120	3.13	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 A CTB	
3101 Boyd Drive	Project Number:	24015-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	02/14/25 10:50

- 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.



Chain of Custody

Page 1 of 1

Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: <u>Prometheus Vertex</u>				Company: <u>Tap Rock</u>		Lab WO# <u>E502075</u>		Job Number <u>24015-0001</u>		1D	2D	3D	Std	NM	CO	UT	TX		
Project Name: <u>Prometheus A CTB</u>				Address:															
Project Manager: <u>Chance Dixon</u>				City, State, Zip: <u>on file</u>															
Address:				Phone:															
City, State, Zip: <u>on file</u>				Email:															
Phone:				Miscellaneous:															
Email: <u>C.dixon@Vertex.Ca</u>																			
Sample Information					Analysis and Method										EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BCDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	SDWA	CWA	RCRA
9:00	2/7/25	Soil		BS25-01 2.5'			1						X						
9:30				BS25-04 2.5'			2												
10:00				BS25-05 3'			3												
10:30				BS25-15 2.5'			4												
11:00				BS25-23 2.5'			5												
11:30				BS25-27 2.5'			6												
12:00				BS25-28 2.5'			7												
12:30				BS25-33 2.5'			8												
13:00				BS25-51 2'			9												
Additional Instructions: <u>CC. Katrina.Taylor@Vertex.Ca</u>																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: <u>Katrina Taylor</u>																			
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 5 °C on subcooled ice. Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Sample Matrix: <u>S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other</u>										Container Type: <u>g - glass, p - poly/plastic, ag - amber glass, v - VOA</u>									
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.																			



envirotech

Envirotech Analytical Laboratory

Printed: 2/11/2025 9:25:47AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Vertex Resource Services Inc.	Date Received:	02/11/25 07:30	Work Order ID:	E502075
Phone:	(575) 748-0176	Date Logged In:	02/10/25 15:50	Logged In By:	Caitlin Mars
Email:	cdixon@vertexresource.com	Due Date:	02/17/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

No of containers not provided on COC.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Sample Summary

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 02/13/25 15:25
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BS25-06 2.5'	E502091-01A	Soil	02/10/25	02/12/25	Glass Jar, 4 oz.
BS25-07 2.5'	E502091-02A	Soil	02/10/25	02/12/25	Glass Jar, 4 oz.
BS25-11 2.5'	E502091-03A	Soil	02/10/25	02/12/25	Glass Jar, 4 oz.
BS25-22 2.5'	E502091-04A	Soil	02/10/25	02/12/25	Glass Jar, 4 oz.
BS25-24 2.5'	E502091-05A	Soil	02/10/25	02/12/25	Glass Jar, 4 oz.
BS25-29 2'	E502091-06A	Soil	02/10/25	02/12/25	Glass Jar, 4 oz.
BS25-30 2'	E502091-07A	Soil	02/10/25	02/12/25	Glass Jar, 4 oz.
BS25-31 2'	E502091-08A	Soil	02/10/25	02/12/25	Glass Jar, 4 oz.
BS25-32 2'	E502091-09A	Soil	02/10/25	02/12/25	Glass Jar, 4 oz.
BS25-35 2.5'	E502091-10A	Soil	02/10/25	02/12/25	Glass Jar, 4 oz.



Sample Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/13/2025 3:25:12PM
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BS25-06 2.5'

E502091-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2507062	
Benzene	ND	0.0250	1	02/12/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/12/25	02/12/25	
Toluene	ND	0.0250	1	02/12/25	02/12/25	
o-Xylene	ND	0.0250	1	02/12/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/12/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/12/25	02/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.9 %	70-130	02/12/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2507062	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/12/25	02/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.8 %	70-130	02/12/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2507064	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/12/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/12/25	02/12/25	
<i>Surrogate: n-Nonane</i>		116 %	61-141	02/12/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2507071	
Chloride	875	20.0	1	02/12/25	02/13/25	



Sample Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/13/2025 3:25:12PM
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BS25-07 2.5'

E502091-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2507062	
Benzene	ND	0.0250	1	02/12/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/12/25	02/12/25	
Toluene	ND	0.0250	1	02/12/25	02/12/25	
o-Xylene	ND	0.0250	1	02/12/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/12/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/12/25	02/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.5 %	70-130		02/12/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2507062	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/12/25	02/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	86.2 %	70-130		02/12/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2507064	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/12/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/12/25	02/12/25	
<i>Surrogate: n-Nonane</i>	122 %	61-141		02/12/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2507071	
Chloride	366	20.0	1	02/12/25	02/13/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/13/2025 3:25:12PM

BS25-11 2.5'

E502091-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507062
Benzene	ND	0.0250	1	02/12/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/12/25	02/12/25	
Toluene	ND	0.0250	1	02/12/25	02/12/25	
o-Xylene	ND	0.0250	1	02/12/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/12/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/12/25	02/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.2 %	70-130		02/12/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507062
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/12/25	02/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.8 %	70-130		02/12/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2507064
Diesel Range Organics (C10-C28)	ND	25.0	1	02/12/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/12/25	02/12/25	
<i>Surrogate: n-Nonane</i>						
	124 %	61-141		02/12/25	02/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2507071
Chloride	305	20.0	1	02/12/25	02/13/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/13/2025 3:25:12PM

BS25-22 2.5'

E502091-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2507062	
Benzene	ND	0.0250	1	02/12/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/12/25	02/12/25	
Toluene	ND	0.0250	1	02/12/25	02/12/25	
o-Xylene	ND	0.0250	1	02/12/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/12/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/12/25	02/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.9 %	70-130		02/12/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2507062	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/12/25	02/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.3 %	70-130		02/12/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: AF		Batch: 2507064	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/12/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/12/25	02/12/25	
<i>Surrogate: n-Nonane</i>						
	122 %	61-141		02/12/25	02/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2507071	
Chloride	60.6	20.0	1	02/12/25	02/13/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/13/2025 3:25:12PM

BS25-24 2.5'

E502091-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2507062	
Benzene	ND	0.0250	1	02/12/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/12/25	02/12/25	
Toluene	ND	0.0250	1	02/12/25	02/12/25	
o-Xylene	ND	0.0250	1	02/12/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/12/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/12/25	02/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.6 %	70-130		02/12/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2507062	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/12/25	02/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.2 %	70-130		02/12/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: AF		Batch: 2507093	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/13/25	02/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/13/25	02/13/25	
<i>Surrogate: n-Nonane</i>						
	124 %	61-141		02/13/25	02/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2507071	
Chloride	248	40.0	2	02/12/25	02/13/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/13/2025 3:25:12PM

BS25-29 2'

E502091-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2507062	
Benzene	ND	0.0250	1	02/12/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/12/25	02/12/25	
Toluene	ND	0.0250	1	02/12/25	02/12/25	
o-Xylene	ND	0.0250	1	02/12/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/12/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/12/25	02/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.1 %	70-130		02/12/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2507062	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/12/25	02/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.9 %	70-130		02/12/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: AF		Batch: 2507064	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/12/25	02/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/12/25	02/13/25	
<i>Surrogate: n-Nonane</i>						
	117 %	61-141		02/12/25	02/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2507071	
Chloride	899	20.0	1	02/12/25	02/13/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/13/2025 3:25:12PM

BS25-30 2'

E502091-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507062
Benzene	ND	0.0250	1	02/12/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/12/25	02/12/25	
Toluene	ND	0.0250	1	02/12/25	02/12/25	
o-Xylene	ND	0.0250	1	02/12/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/12/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/12/25	02/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.2 %	70-130		02/12/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507062
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/12/25	02/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.3 %	70-130		02/12/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2507064
Diesel Range Organics (C10-C28)	ND	25.0	1	02/12/25	02/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/12/25	02/13/25	
<i>Surrogate: n-Nonane</i>						
	111 %	61-141		02/12/25	02/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2507071
Chloride	677	20.0	1	02/12/25	02/13/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/13/2025 3:25:12PM

BS25-31 2'

E502091-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507062
Benzene	ND	0.0250	1	02/12/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/12/25	02/12/25	
Toluene	ND	0.0250	1	02/12/25	02/12/25	
o-Xylene	ND	0.0250	1	02/12/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/12/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/12/25	02/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.8 %	70-130		02/12/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507062
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/12/25	02/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.7 %	70-130		02/12/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2507064
Diesel Range Organics (C10-C28)	ND	25.0	1	02/12/25	02/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/12/25	02/13/25	
<i>Surrogate: n-Nonane</i>						
	118 %	61-141		02/12/25	02/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2507071
Chloride	340	20.0	1	02/12/25	02/13/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/13/2025 3:25:12PM

BS25-32 2'

E502091-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507062
Benzene	ND	0.0250	1	02/12/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/12/25	02/12/25	
Toluene	ND	0.0250	1	02/12/25	02/12/25	
o-Xylene	ND	0.0250	1	02/12/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/12/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/12/25	02/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.8 %	70-130		02/12/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507062
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/12/25	02/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.9 %	70-130		02/12/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2507064
Diesel Range Organics (C10-C28)	ND	25.0	1	02/12/25	02/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/12/25	02/13/25	
<i>Surrogate: n-Nonane</i>						
	120 %	61-141		02/12/25	02/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2507071
Chloride	225	20.0	1	02/12/25	02/13/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/13/2025 3:25:12PM

BS25-35 2.5'

E502091-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2507062	
Benzene	ND	0.0250	1	02/12/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/12/25	02/12/25	
Toluene	ND	0.0250	1	02/12/25	02/12/25	
o-Xylene	ND	0.0250	1	02/12/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/12/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/12/25	02/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.5 %	70-130		02/12/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2507062	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/12/25	02/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.2 %	70-130		02/12/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: AF		Batch: 2507064	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/12/25	02/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/12/25	02/13/25	
<i>Surrogate: n-Nonane</i>						
	115 %	61-141		02/12/25	02/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2507071	
Chloride	89.1	20.0	1	02/12/25	02/13/25	



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/13/2025 3:25:12PM
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Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507062-BLK1) Prepared: 02/12/25 Analyzed: 02/12/25

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	7.25		8.00		90.6	70-130			

LCS (2507062-BS1) Prepared: 02/12/25 Analyzed: 02/12/25

Benzene	5.74	0.0250	5.00		115	70-130			
Ethylbenzene	5.52	0.0250	5.00		110	70-130			
Toluene	5.64	0.0250	5.00		113	70-130			
o-Xylene	5.46	0.0250	5.00		109	70-130			
p,m-Xylene	11.2	0.0500	10.0		112	70-130			
Total Xylenes	16.7	0.0250	15.0		111	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.32		8.00		91.6	70-130			

Matrix Spike (2507062-MS1) Source: E502091-09 Prepared: 02/12/25 Analyzed: 02/12/25

Benzene	5.06	0.0250	5.00	ND	101	54-133			
Ethylbenzene	4.84	0.0250	5.00	ND	96.8	61-133			
Toluene	4.96	0.0250	5.00	ND	99.3	61-130			
o-Xylene	4.79	0.0250	5.00	ND	95.8	63-131			
p,m-Xylene	9.84	0.0500	10.0	ND	98.4	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.50		8.00		93.7	70-130			

Matrix Spike Dup (2507062-MSD1) Source: E502091-09 Prepared: 02/12/25 Analyzed: 02/12/25

Benzene	5.06	0.0250	5.00	ND	101	54-133	0.0672	20	
Ethylbenzene	4.84	0.0250	5.00	ND	96.9	61-133	0.0485	20	
Toluene	4.97	0.0250	5.00	ND	99.4	61-130	0.0906	20	
o-Xylene	4.80	0.0250	5.00	ND	96.0	63-131	0.211	20	
p,m-Xylene	9.84	0.0500	10.0	ND	98.4	63-131	0.0137	20	
Total Xylenes	14.6	0.0250	15.0	ND	97.6	63-131	0.0782	20	
Surrogate: 4-Bromochlorobenzene-PID	7.55		8.00		94.4	70-130			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/13/2025 3:25:12PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507062-BLK1) Prepared: 02/12/25 Analyzed: 02/12/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.88		8.00		86.0	70-130			

LCS (2507062-BS2) Prepared: 02/12/25 Analyzed: 02/12/25

Gasoline Range Organics (C6-C10)	39.8	20.0	50.0		79.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.98		8.00		87.3	70-130			

Matrix Spike (2507062-MS2) Source: E502091-09 Prepared: 02/12/25 Analyzed: 02/12/25

Gasoline Range Organics (C6-C10)	45.2	20.0	50.0	ND	90.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.04		8.00		88.0	70-130			

Matrix Spike Dup (2507062-MSD2) Source: E502091-09 Prepared: 02/12/25 Analyzed: 02/12/25

Gasoline Range Organics (C6-C10)	39.6	20.0	50.0	ND	79.1	70-130	13.2	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.11		8.00		88.9	70-130			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/13/2025 3:25:12PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507064-BLK1)					Prepared: 02/12/25 Analyzed: 02/12/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.3		50.0		111	61-141			

LCS (2507064-BS1)					Prepared: 02/12/25 Analyzed: 02/12/25				
Diesel Range Organics (C10-C28)	278	25.0	250		111	66-144			
Surrogate: n-Nonane	55.3		50.0		111	61-141			

Matrix Spike (2507064-MS1)					Source: E502087-03		Prepared: 02/12/25 Analyzed: 02/12/25		
Diesel Range Organics (C10-C28)	2000	25.0	250	1410	238	56-156			M4
Surrogate: n-Nonane	61.2		50.0		122	61-141			

Matrix Spike Dup (2507064-MSD1)					Source: E502087-03		Prepared: 02/12/25 Analyzed: 02/12/25		
Diesel Range Organics (C10-C28)	1870	25.0	250	1410	185	56-156	6.85	20	M4
Surrogate: n-Nonane	60.5		50.0		121	61-141			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/13/2025 3:25:12PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507093-BLK1)					Prepared: 02/13/25 Analyzed: 02/13/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.5		50.0		107	61-141			

LCS (2507093-BS1)					Prepared: 02/13/25 Analyzed: 02/13/25				
Diesel Range Organics (C10-C28)	268	25.0	250		107	66-144			
Surrogate: n-Nonane	54.0		50.0		108	61-141			

LCS Dup (2507093-BSD1)					Prepared: 02/13/25 Analyzed: 02/13/25				
Diesel Range Organics (C10-C28)	270	25.0	250		108	66-144	0.817	20	
Surrogate: n-Nonane	54.5		50.0		109	61-141			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/13/2025 3:25:12PM
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Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507071-BLK1)					Prepared: 02/12/25 Analyzed: 02/12/25				
Chloride	ND	20.0							
LCS (2507071-BS1)					Prepared: 02/12/25 Analyzed: 02/13/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2507071-MS1)					Source: E502091-01		Prepared: 02/12/25 Analyzed: 02/13/25		
Chloride	1100	20.0	250	875	89.2	80-120			
Matrix Spike Dup (2507071-MSD1)					Source: E502091-01		Prepared: 02/12/25 Analyzed: 02/13/25		
Chloride	1130	20.0	250	875	102	80-120	2.79	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 A CTB	
3101 Boyd Drive	Project Number:	24015-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	02/13/25 15:25

- 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.



Chain of Custody

Page 1 of 1

Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: <u>TAP Vertex</u>				Company: <u>TAP ROIC</u>		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: <u>Prometheus A CTR</u>				Address:		<u>E502091</u>	<u>4105-0001</u>		<input checked="" type="checkbox"/>		<u>25</u>								
Project Manager: <u>Chance Dixon</u>				City, State, Zip: <u>ON FILE</u>		<u>NS 2-12-25</u>													
Address:				Phone:															
City, State, Zip: <u>on file</u>				Email:															
Phone:				Miscellaneous:															
Email: <u>C.dixon@vertex.ca</u>																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/GRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCO 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	SDWA	CWA	RCRA	
9:00	2/10/25	Soil		BS25-06 2.5'		1						X							
9:30				BS25-07 2.5		2													
10:00				BS25-11 2.5		3													
10:30				BS25-21 BS25-22 2.5		4													
11:00				BS25-24 2.5		5													
11:30				BS25-29 2'		6													
12:00				BS25-30 2'		7													
12:30				BS25-31 2'		8													
13:00				BS25-32 2'		9													
13:30				BS25-35 2.5'		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: <u>Katrina Taylor</u>																			
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 5 °C on the day of collection. Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 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.																			



envirotech

Chain of Custody

Page 1 of 1

Client Information				Invoice Information		Lab Use Only		TAT		State										
Client: <u>TAP Vertex</u>				Company: <u>TAP ROEIC</u>		Lab W/O# <u>E502091</u> Job Number <u>4105-0001</u>		1D <input type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Std <input checked="" type="checkbox"/>		NM <input type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> TX <input type="checkbox"/>										
Project Name: <u>Prometheus A LTR</u>				Address: <u>ON FILE</u>																
Project Manager: <u>Chance Dixon</u>				City, State, Zip: <u>ON FILE</u>																
Address: <u>ON FILE</u>				Phone: <u>ON FILE</u>																
City, State, Zip: <u>ON FILE</u>				Email: <u>C.dixon@vertex.ca</u>																
Phone: <u>ON FILE</u>				Miscellaneous:																
Email: <u>C.dixon@vertex.ca</u>																				
Sample Information					Analysis and Method								EPA Program							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	SDWA	CWA	RCRA	
9:00	2/10/25	Soil		BS25-06 2.5'			1						X							
9:30				BS25-07 2.5			2													
10:00				BS25-11 2.5			3													
10:30				BS25-12 BS25-22 2.5			4													
11:00				BS25-24 2.5			5													
11:30				BS25-29 2'			6													
12:00				BS25-30 2'			7													
12:30				BS25-31 2'			8													
13:00				BS25-32 2'			9													
13:30				BS25-35 2.5'			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: <u>Katrina Taylor</u>																				
Relinquished by: (Signature) <u>Katrina Taylor</u>		Date <u>2/10</u>		Time <u>5pm</u>		Received by: (Signature) <u>Marcus G. G. G.</u>		Date <u>2-11-25</u>		Time <u>1100</u>		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on sub-cooled ice. Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>								
Relinquished by: (Signature) <u>Marcus G. G. G.</u>		Date <u>2-11-25</u>		Time <u>1700</u>		Received by: (Signature) <u>John J.</u>		Date <u>2-11-25</u>		Time <u>1715</u>										
Relinquished by: (Signature) <u>John J.</u>		Date <u>2-11-25</u>		Time <u>2300</u>		Received by: (Signature) <u>Chella M.</u>		Date <u>2-12-25</u>		Time <u>800</u>										
Relinquished by: (Signature) _____		Date _____		Time _____		Received by: (Signature) _____		Date _____		Time _____										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____										
Note: Samples are discarded 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.																				



envirotech

Envirotech Analytical Laboratory

Printed: 2/12/2025 9:46:26AM

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:	02/12/25 08:00	Work Order ID:	E502091
Phone:	(575) 748-0176	Date Logged In:	02/11/25 15:22	Logged In By:	Caitlin Mars
Email:	cdixon@vertexresource.com	Due Date:	02/13/25 17:00 (1 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

No of containers not provided on COC.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Sample Summary

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 02/25/25 08:49
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BS25-02 2.5	E502162-01A	Soil	02/17/25	02/19/25	Glass Jar, 2 oz.
BS25-03 2.5	E502162-02A	Soil	02/17/25	02/19/25	Glass Jar, 2 oz.
BS25-06 3.5	E502162-03A	Soil	02/17/25	02/19/25	Glass Jar, 2 oz.
BS25-09 2.5	E502162-04A	Soil	02/17/25	02/19/25	Glass Jar, 2 oz.
BS25-21 3.5	E502162-05A	Soil	02/17/25	02/19/25	Glass Jar, 2 oz.
BS25-29 2.5	E502162-06A	Soil	02/17/25	02/19/25	Glass Jar, 2 oz.
BS25-49 3.5	E502162-07A	Soil	02/17/25	02/19/25	Glass Jar, 2 oz.
BS25-54 2.5	E502162-08A	Soil	02/17/25	02/19/25	Glass Jar, 2 oz.
BS25-72 1.5	E502162-09A	Soil	02/17/25	02/19/25	Glass Jar, 2 oz.
BS25-73 1.5	E502162-10A	Soil	02/17/25	02/19/25	Glass Jar, 2 oz.
BS25-74 1.5	E502162-11A	Soil	02/17/25	02/19/25	Glass Jar, 2 oz.
BS25-76 2	E502162-12A	Soil	02/17/25	02/19/25	Glass Jar, 2 oz.
BS25-62 1.5	E502162-13A	Soil	02/17/25	02/19/25	Glass Jar, 2 oz.



Sample Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/25/2025 8:49:45AM
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BS25-02 2.5

E502162-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2508052	
Benzene	ND	0.0250	1	02/19/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/19/25	02/19/25	
Toluene	ND	0.0250	1	02/19/25	02/19/25	
o-Xylene	ND	0.0250	1	02/19/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/19/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/19/25	02/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	79.8 %	70-130		02/19/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2508052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/25	02/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.7 %	70-130		02/19/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2508054	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/25	02/19/25	
<i>Surrogate: n-Nonane</i>	97.0 %	61-141		02/19/25	02/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2508062	
Chloride	443	20.0	1	02/19/25	02/19/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/25/2025 8:49:45AM

BS25-03 2.5

E502162-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2508052	
Benzene	ND	0.0250	1	02/19/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/19/25	02/19/25	
Toluene	ND	0.0250	1	02/19/25	02/19/25	
o-Xylene	ND	0.0250	1	02/19/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/19/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/19/25	02/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	80.9 %	70-130		02/19/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2508052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/25	02/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.1 %	70-130		02/19/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2508054	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/25	02/19/25	
<i>Surrogate: n-Nonane</i>	99.8 %	61-141		02/19/25	02/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2508062	
Chloride	29.4	20.0	1	02/19/25	02/19/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/25/2025 8:49:45AM

BS25-06 3.5

E502162-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508052
Benzene	ND	0.0250	1	02/19/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/19/25	02/19/25	
Toluene	ND	0.0250	1	02/19/25	02/19/25	
o-Xylene	ND	0.0250	1	02/19/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/19/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/19/25	02/19/25	
Surrogate: 4-Bromochlorobenzene-PID	82.3 %	70-130		02/19/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508052
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/25	02/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.6 %	70-130		02/19/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2508054
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/25	02/19/25	
Surrogate: n-Nonane	96.8 %	61-141		02/19/25	02/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2508062
Chloride	387	20.0	1	02/19/25	02/19/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/25/2025 8:49:45AM

BS25-09 2.5

E502162-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2508052	
Benzene	ND	0.0250	1	02/19/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/19/25	02/19/25	
Toluene	ND	0.0250	1	02/19/25	02/19/25	
o-Xylene	ND	0.0250	1	02/19/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/19/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/19/25	02/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.1 %	70-130		02/19/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2508052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/25	02/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.2 %	70-130		02/19/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2508054	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/25	02/19/25	
<i>Surrogate: n-Nonane</i>						
	99.5 %	61-141		02/19/25	02/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2508062	
Chloride	63.8	20.0	1	02/19/25	02/19/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/25/2025 8:49:45AM

BS25-21 3.5

E502162-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508052
Benzene	ND	0.0250	1	02/19/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/19/25	02/19/25	
Toluene	ND	0.0250	1	02/19/25	02/19/25	
o-Xylene	ND	0.0250	1	02/19/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/19/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/19/25	02/19/25	
Surrogate: 4-Bromochlorobenzene-PID	83.0 %	70-130		02/19/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508052
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/25	02/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.8 %	70-130		02/19/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2508054
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/25	02/19/25	
Surrogate: n-Nonane	103 %	61-141		02/19/25	02/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2508062
Chloride	557	20.0	1	02/19/25	02/19/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/25/2025 8:49:45AM

BS25-29 2.5

E502162-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2508052	
Benzene	ND	0.0250	1	02/19/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/19/25	02/19/25	
Toluene	ND	0.0250	1	02/19/25	02/19/25	
o-Xylene	ND	0.0250	1	02/19/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/19/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/19/25	02/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.2 %	70-130		02/19/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2508052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/25	02/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.3 %	70-130		02/19/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2508054	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/25	02/19/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		02/19/25	02/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2508062	
Chloride	297	40.0	2	02/19/25	02/19/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/25/2025 8:49:45AM

BS25-49 3.5

E502162-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508052
Benzene	ND	0.0250	1	02/19/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/19/25	02/19/25	
Toluene	ND	0.0250	1	02/19/25	02/19/25	
o-Xylene	ND	0.0250	1	02/19/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/19/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/19/25	02/19/25	
Surrogate: 4-Bromochlorobenzene-PID	83.6 %	70-130		02/19/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508052
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/25	02/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.1 %	70-130		02/19/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2508054
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/25	02/19/25	
Surrogate: n-Nonane	99.6 %	61-141		02/19/25	02/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2508062
Chloride	789	20.0	1	02/19/25	02/19/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/25/2025 8:49:45AM

BS25-54 2.5

E502162-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2508052	
Benzene	ND	0.0250	1	02/19/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/19/25	02/19/25	
Toluene	ND	0.0250	1	02/19/25	02/19/25	
o-Xylene	ND	0.0250	1	02/19/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/19/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/19/25	02/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.0 %	70-130		02/19/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2508052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/25	02/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.7 %	70-130		02/19/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2508054	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/25	02/19/25	
<i>Surrogate: n-Nonane</i>						
	101 %	61-141		02/19/25	02/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2508062	
Chloride	213	20.0	1	02/19/25	02/19/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/25/2025 8:49:45AM

BS25-72 1.5

E502162-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2508052	
Benzene	ND	0.0250	1	02/19/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/19/25	02/19/25	
Toluene	ND	0.0250	1	02/19/25	02/19/25	
o-Xylene	ND	0.0250	1	02/19/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/19/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/19/25	02/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.6 %	70-130		02/19/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2508052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/25	02/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.0 %	70-130		02/19/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2508054	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/25	02/19/25	
<i>Surrogate: n-Nonane</i>						
	99.3 %	61-141		02/19/25	02/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2508062	
Chloride	35.1	20.0	1	02/19/25	02/19/25	



Sample Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/25/2025 8:49:45AM
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BS25-73 1.5

E502162-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2508052	
Benzene	ND	0.0250	1	02/19/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/19/25	02/19/25	
Toluene	ND	0.0250	1	02/19/25	02/19/25	
o-Xylene	ND	0.0250	1	02/19/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/19/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/19/25	02/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	85.9 %	70-130		02/19/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2508052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/25	02/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.0 %	70-130		02/19/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2508054	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/25	02/19/25	
<i>Surrogate: n-Nonane</i>	97.0 %	61-141		02/19/25	02/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2508062	
Chloride	234	20.0	1	02/19/25	02/19/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/25/2025 8:49:45AM

BS25-74 1.5

E502162-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2508052	
Benzene	ND	0.0250	1	02/19/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/19/25	02/19/25	
Toluene	ND	0.0250	1	02/19/25	02/19/25	
o-Xylene	ND	0.0250	1	02/19/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/19/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/19/25	02/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.7 %	70-130		02/19/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2508052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/25	02/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.2 %	70-130		02/19/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2508054	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/25	02/19/25	
<i>Surrogate: n-Nonane</i>						
	99.2 %	61-141		02/19/25	02/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2508062	
Chloride	92.2	20.0	1	02/19/25	02/19/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/25/2025 8:49:45AM

BS25-76 2

E502162-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2508052	
Benzene	ND	0.0250	1	02/19/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/19/25	02/19/25	
Toluene	ND	0.0250	1	02/19/25	02/19/25	
o-Xylene	ND	0.0250	1	02/19/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/19/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/19/25	02/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.8 %	70-130		02/19/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2508052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/25	02/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.2 %	70-130		02/19/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2508054	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/25	02/19/25	
<i>Surrogate: n-Nonane</i>						
	99.4 %	61-141		02/19/25	02/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2508062	
Chloride	80.0	20.0	1	02/19/25	02/19/25	



Sample Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/25/2025 8:49:45AM
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BS25-62 1.5

E502162-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2508052	
Benzene	ND	0.0250	1	02/19/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/19/25	02/19/25	
Toluene	ND	0.0250	1	02/19/25	02/19/25	
o-Xylene	ND	0.0250	1	02/19/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/19/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/19/25	02/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	86.8 %	70-130		02/19/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2508052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/25	02/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.0 %	70-130		02/19/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2508054	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/25	02/19/25	
<i>Surrogate: n-Nonane</i>	98.9 %	61-141		02/19/25	02/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2508062	
Chloride	139	20.0	1	02/19/25	02/19/25	



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/25/2025 8:49:45AM
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2508052-BLK1)

Prepared: 02/19/25 Analyzed: 02/19/25

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	6.56		8.00		82.0	70-130			

LCS (2508052-BS1)

Prepared: 02/19/25 Analyzed: 02/19/25

Benzene	5.10	0.0250	5.00		102	70-130			
Ethylbenzene	4.87	0.0250	5.00		97.4	70-130			
Toluene	5.01	0.0250	5.00		100	70-130			
o-Xylene	4.85	0.0250	5.00		97.0	70-130			
p,m-Xylene	9.88	0.0500	10.0		98.8	70-130			
Total Xylenes	14.7	0.0250	15.0		98.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.58		8.00		82.2	70-130			

LCS Dup (2508052-BSD1)

Prepared: 02/19/25 Analyzed: 02/19/25

Benzene	5.08	0.0250	5.00		102	70-130	0.465	20	
Ethylbenzene	4.84	0.0250	5.00		96.7	70-130	0.711	20	
Toluene	4.98	0.0250	5.00		99.5	70-130	0.606	20	
o-Xylene	4.81	0.0250	5.00		96.2	70-130	0.844	20	
p,m-Xylene	9.81	0.0500	10.0		98.1	70-130	0.761	20	
Total Xylenes	14.6	0.0250	15.0		97.5	70-130	0.788	20	
Surrogate: 4-Bromochlorobenzene-PID	6.50		8.00		81.3	70-130			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/25/2025 8:49:45AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2508052-BLK1) Prepared: 02/19/25 Analyzed: 02/19/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		93.9	70-130			

LCS (2508052-BS2) Prepared: 02/19/25 Analyzed: 02/19/25

Gasoline Range Organics (C6-C10)	41.8	20.0	50.0		83.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.2	70-130			

LCS Dup (2508052-BSD2) Prepared: 02/19/25 Analyzed: 02/19/25

Gasoline Range Organics (C6-C10)	40.0	20.0	50.0		80.1	70-130	4.43	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.4	70-130			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/25/2025 8:49:45AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2508054-BLK1)					Prepared: 02/19/25 Analyzed: 02/19/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.6		50.0		91.2	61-141			

LCS (2508054-BS1)					Prepared: 02/19/25 Analyzed: 02/19/25				
Diesel Range Organics (C10-C28)	242	25.0	250		96.7	66-144			
Surrogate: n-Nonane	47.0		50.0		94.1	61-141			

Matrix Spike (2508054-MS1)					Source: E502162-08		Prepared: 02/19/25 Analyzed: 02/19/25		
Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	56-156			
Surrogate: n-Nonane	49.4		50.0		98.9	61-141			

Matrix Spike Dup (2508054-MSD1)					Source: E502162-08		Prepared: 02/19/25 Analyzed: 02/19/25		
Diesel Range Organics (C10-C28)	271	25.0	250	ND	108	56-156	2.01	20	
Surrogate: n-Nonane	49.9		50.0		99.7	61-141			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/25/2025 8:49:45AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2508062-BLK1)					Prepared: 02/19/25 Analyzed: 02/19/25				
Chloride	ND	20.0							
LCS (2508062-BS1)					Prepared: 02/19/25 Analyzed: 02/19/25				
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2508062-MS1)					Source: E502162-03		Prepared: 02/19/25 Analyzed: 02/19/25		
Chloride	616	20.0	250	387	91.8	80-120			
Matrix Spike Dup (2508062-MSD1)					Source: E502162-03		Prepared: 02/19/25 Analyzed: 02/19/25		
Chloride	638	20.0	250	387	101	80-120	3.49	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 A CTB	
3101 Boyd Drive	Project Number:	24015-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	02/25/25 08:49

- 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

Page 1 of 2

Client Information				Invoice Information				Lab Use Only				TAT				State							
Client: <u>Prometheus A CTB</u>				Company: <u>Tap Rock</u>				Lab WO# <u>E502162</u>		Job Number <u>24015-0001</u>		1D		2D		3D		Std					
Project Name: <u>Prometheus A CTB</u>				Address:														NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> TX <input type="checkbox"/>					
Project Manager: <u>Chance Dixon</u>				City, State, Zip: <u>on file</u>																			
Address:				Phone:																			
City, State, Zip: <u>on file</u>				Email:																			
Phone:				Miscellaneous:																			
Email:																							
Sample Information										Analysis and Method										EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	SDWA	CWA	RCRA				
8:00	2/17	Soil		BS25-02 2.5			1																
8:30				BS25-03 2.5			2																
9:00				BS25-06 3.5			3																
9:30				BS25-09 2.5			4																
10:00				BS25-21 3.5			5																
10:30				BS25-29 2.5			6																
11:00				BS25-49 3.5			7																
11:30				BS25-54 2.5			8																
12:00				BS25-72 1.5			9																
12:30				BS25-73 1.5			10																
Additional Instructions: <u>CC. Katrina Taylor @ Vertex. Ca</u>																							
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																							
Sampled by: <u>Katrina Taylor</u>																							
Relinquished by: (Signature) <u>[Signature]</u>		Date <u>2/18</u>		Time <u>9:00</u>		Received by: (Signature) <u>Michelle Gonzales</u>		Date <u>2-18-25</u>		Time <u>6900</u>		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days. Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>											
Relinquished by: (Signature) <u>Michelle Gonzales</u>		Date <u>2-18-25</u>		Time <u>1700</u>		Received by: (Signature) <u>[Signature]</u>		Date <u>2-18-25</u>		Time <u>1700</u>													
Relinquished by: (Signature) <u>[Signature]</u>		Date <u>2-18-25</u>		Time <u>2300</u>		Received by: (Signature) <u>Kyleigh R. Helle</u>		Date <u>2-19-25</u>		Time <u>0500</u>													
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time													
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA													
Note: Samples are discarded 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.																							



envirotech

Chain of Custody

[illegible]

Envirotech Analytical Laboratory

Printed: 2/19/2025 7:58:24AM

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:	02/19/25 05:00	Work Order ID:	E502162
Phone:	(575) 748-0176	Date Logged In:	02/18/25 15:41	Logged In By:	Noe Soto
Email:	cdixon@vertexresource.com	Due Date:	02/25/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Sample Summary

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 03/06/25 12:10
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BS25-17 2.25'	E502180-01A	Soil	02/18/25	02/20/25	Glass Jar, 2 oz.
BS25-18 2.25'	E502180-02A	Soil	02/18/25	02/20/25	Glass Jar, 2 oz.
BS25-30 2.25'	E502180-03A	Soil	02/18/25	02/20/25	Glass Jar, 2 oz.
BS25-38 2.25'	E502180-04A	Soil	02/18/25	02/20/25	Glass Jar, 2 oz.
BS25-51 2.25'	E502180-05A	Soil	02/18/25	02/20/25	Glass Jar, 2 oz.
BS25-57 3'	E502180-06A	Soil	02/18/25	02/20/25	Glass Jar, 2 oz.
BS25-58 1.5'	E502180-07A	Soil	02/18/25	02/20/25	Glass Jar, 2 oz.
BS25-59 2.25'	E502180-08A	Soil	02/18/25	02/20/25	Glass Jar, 2 oz.
BS25-75 1.5'	E502180-09A	Soil	02/18/25	02/20/25	Glass Jar, 2 oz.



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
3/6/2025 12:10:49PM

BS25-17 2.25'

E502180-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508084
Benzene	ND	0.0250	1	02/20/25	02/21/25	
Ethylbenzene	ND	0.0250	1	02/20/25	02/21/25	
Toluene	ND	0.0250	1	02/20/25	02/21/25	
o-Xylene	ND	0.0250	1	02/20/25	02/21/25	
p,m-Xylene	ND	0.0500	1	02/20/25	02/21/25	
Total Xylenes	ND	0.0250	1	02/20/25	02/21/25	
<i>Surrogate: Bromofluorobenzene</i>		96.3 %	70-130	02/20/25	02/21/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.0 %	70-130	02/20/25	02/21/25	
<i>Surrogate: Toluene-d8</i>		98.3 %	70-130	02/20/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/20/25	02/21/25	
<i>Surrogate: Bromofluorobenzene</i>		96.3 %	70-130	02/20/25	02/21/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.0 %	70-130	02/20/25	02/21/25	
<i>Surrogate: Toluene-d8</i>		98.3 %	70-130	02/20/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2508094
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/25	02/21/25	
<i>Surrogate: n-Nonane</i>		95.1 %	61-141	02/20/25	02/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2508089
Chloride	139	20.0	1	02/20/25	02/20/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
3/6/2025 12:10:49PM

BS25-18 2.25'

E502180-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508084
Benzene	ND	0.0250	1	02/20/25	02/21/25	
Ethylbenzene	ND	0.0250	1	02/20/25	02/21/25	
Toluene	ND	0.0250	1	02/20/25	02/21/25	
o-Xylene	ND	0.0250	1	02/20/25	02/21/25	
p,m-Xylene	ND	0.0500	1	02/20/25	02/21/25	
Total Xylenes	ND	0.0250	1	02/20/25	02/21/25	
Surrogate: Bromofluorobenzene	96.3 %	70-130		02/20/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4	95.5 %	70-130		02/20/25	02/21/25	
Surrogate: Toluene-d8	98.5 %	70-130		02/20/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/20/25	02/21/25	
Surrogate: Bromofluorobenzene	96.3 %	70-130		02/20/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4	95.5 %	70-130		02/20/25	02/21/25	
Surrogate: Toluene-d8	98.5 %	70-130		02/20/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2508094
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/25	02/21/25	
Surrogate: n-Nonane	93.9 %	61-141		02/20/25	02/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2508089
Chloride	166	20.0	1	02/20/25	02/20/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
3/6/2025 12:10:49PM

BS25-30 2.25'

E502180-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508084
Benzene	ND	0.0250	1	02/20/25	02/21/25	
Ethylbenzene	ND	0.0250	1	02/20/25	02/21/25	
Toluene	ND	0.0250	1	02/20/25	02/21/25	
o-Xylene	ND	0.0250	1	02/20/25	02/21/25	
p,m-Xylene	ND	0.0500	1	02/20/25	02/21/25	
Total Xylenes	ND	0.0250	1	02/20/25	02/21/25	
Surrogate: Bromofluorobenzene	96.3 %	70-130		02/20/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		02/20/25	02/21/25	
Surrogate: Toluene-d8	96.9 %	70-130		02/20/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/20/25	02/21/25	
Surrogate: Bromofluorobenzene	96.3 %	70-130		02/20/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		02/20/25	02/21/25	
Surrogate: Toluene-d8	96.9 %	70-130		02/20/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2508094
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/25	02/21/25	
Surrogate: n-Nonane	93.0 %	61-141		02/20/25	02/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2508089
Chloride	208	20.0	1	02/20/25	02/20/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
3/6/2025 12:10:49PM

BS25-38 2.25'

E502180-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508084
Benzene	ND	0.0250	1	02/20/25	02/21/25	
Ethylbenzene	ND	0.0250	1	02/20/25	02/21/25	
Toluene	ND	0.0250	1	02/20/25	02/21/25	
o-Xylene	ND	0.0250	1	02/20/25	02/21/25	
p,m-Xylene	ND	0.0500	1	02/20/25	02/21/25	
Total Xylenes	ND	0.0250	1	02/20/25	02/21/25	
Surrogate: Bromofluorobenzene	97.1 %	70-130		02/20/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4	93.0 %	70-130		02/20/25	02/21/25	
Surrogate: Toluene-d8	100 %	70-130		02/20/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/20/25	02/21/25	
Surrogate: Bromofluorobenzene	97.1 %	70-130		02/20/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4	93.0 %	70-130		02/20/25	02/21/25	
Surrogate: Toluene-d8	100 %	70-130		02/20/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2508094
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/25	02/21/25	
Surrogate: n-Nonane	95.3 %	61-141		02/20/25	02/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2508089
Chloride	451	20.0	1	02/20/25	02/20/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
3/6/2025 12:10:49PM

BS25-51 2.25'

E502180-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508084
Benzene	ND	0.0250	1	02/20/25	02/21/25	
Ethylbenzene	ND	0.0250	1	02/20/25	02/21/25	
Toluene	ND	0.0250	1	02/20/25	02/21/25	
o-Xylene	ND	0.0250	1	02/20/25	02/21/25	
p,m-Xylene	ND	0.0500	1	02/20/25	02/21/25	
Total Xylenes	ND	0.0250	1	02/20/25	02/21/25	
Surrogate: Bromofluorobenzene	95.3 %	70-130		02/20/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4	93.7 %	70-130		02/20/25	02/21/25	
Surrogate: Toluene-d8	98.6 %	70-130		02/20/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/20/25	02/21/25	
Surrogate: Bromofluorobenzene	95.3 %	70-130		02/20/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4	93.7 %	70-130		02/20/25	02/21/25	
Surrogate: Toluene-d8	98.6 %	70-130		02/20/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2508094
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/25	02/21/25	
Surrogate: n-Nonane	93.9 %	61-141		02/20/25	02/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2508089
Chloride	495	20.0	1	02/20/25	02/20/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
3/6/2025 12:10:49PM

BS25-57 3'

E502180-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508084
Benzene	ND	0.0250	1	02/20/25	02/21/25	
Ethylbenzene	ND	0.0250	1	02/20/25	02/21/25	
Toluene	ND	0.0250	1	02/20/25	02/21/25	
o-Xylene	ND	0.0250	1	02/20/25	02/21/25	
p,m-Xylene	ND	0.0500	1	02/20/25	02/21/25	
Total Xylenes	ND	0.0250	1	02/20/25	02/21/25	
Surrogate: Bromofluorobenzene	98.2 %	70-130		02/20/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4	95.1 %	70-130		02/20/25	02/21/25	
Surrogate: Toluene-d8	98.1 %	70-130		02/20/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/20/25	02/21/25	
Surrogate: Bromofluorobenzene	98.2 %	70-130		02/20/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4	95.1 %	70-130		02/20/25	02/21/25	
Surrogate: Toluene-d8	98.1 %	70-130		02/20/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2508094
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/25	02/21/25	
Surrogate: n-Nonane	95.2 %	61-141		02/20/25	02/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2508089
Chloride	236	40.0	2	02/20/25	02/20/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
3/6/2025 12:10:49PM

BS25-58 1.5'

E502180-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508084
Benzene	ND	0.0250	1	02/20/25	02/21/25	
Ethylbenzene	ND	0.0250	1	02/20/25	02/21/25	
Toluene	ND	0.0250	1	02/20/25	02/21/25	
o-Xylene	ND	0.0250	1	02/20/25	02/21/25	
p,m-Xylene	ND	0.0500	1	02/20/25	02/21/25	
Total Xylenes	ND	0.0250	1	02/20/25	02/21/25	
Surrogate: Bromofluorobenzene	96.3 %	70-130		02/20/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4	96.0 %	70-130		02/20/25	02/21/25	
Surrogate: Toluene-d8	97.9 %	70-130		02/20/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/20/25	02/21/25	
Surrogate: Bromofluorobenzene	96.3 %	70-130		02/20/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4	96.0 %	70-130		02/20/25	02/21/25	
Surrogate: Toluene-d8	97.9 %	70-130		02/20/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2508094
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/25	02/21/25	
Surrogate: n-Nonane	93.7 %	61-141		02/20/25	02/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2508089
Chloride	63.9	20.0	1	02/20/25	02/20/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
3/6/2025 12:10:49PM

BS25-59 2.25'

E502180-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508084
Benzene	ND	0.0250	1	02/20/25	02/21/25	
Ethylbenzene	ND	0.0250	1	02/20/25	02/21/25	
Toluene	ND	0.0250	1	02/20/25	02/21/25	
o-Xylene	ND	0.0250	1	02/20/25	02/21/25	
p,m-Xylene	ND	0.0500	1	02/20/25	02/21/25	
Total Xylenes	ND	0.0250	1	02/20/25	02/21/25	
Surrogate: Bromofluorobenzene	96.0 %	70-130		02/20/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4	93.9 %	70-130		02/20/25	02/21/25	
Surrogate: Toluene-d8	98.5 %	70-130		02/20/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/20/25	02/21/25	
Surrogate: Bromofluorobenzene	96.0 %	70-130		02/20/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4	93.9 %	70-130		02/20/25	02/21/25	
Surrogate: Toluene-d8	98.5 %	70-130		02/20/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2508094
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/25	02/21/25	
Surrogate: n-Nonane	92.6 %	61-141		02/20/25	02/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2508089
Chloride	220	20.0	1	02/20/25	02/20/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
3/6/2025 12:10:49PM

BS25-75 1.5'

E502180-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508084
Benzene	ND	0.0250	1	02/20/25	02/21/25	
Ethylbenzene	ND	0.0250	1	02/20/25	02/21/25	
Toluene	ND	0.0250	1	02/20/25	02/21/25	
o-Xylene	ND	0.0250	1	02/20/25	02/21/25	
p,m-Xylene	ND	0.0500	1	02/20/25	02/21/25	
Total Xylenes	ND	0.0250	1	02/20/25	02/21/25	
Surrogate: Bromofluorobenzene	96.9 %	70-130		02/20/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4	93.4 %	70-130		02/20/25	02/21/25	
Surrogate: Toluene-d8	98.9 %	70-130		02/20/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/20/25	02/21/25	
Surrogate: Bromofluorobenzene	96.9 %	70-130		02/20/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4	93.4 %	70-130		02/20/25	02/21/25	
Surrogate: Toluene-d8	98.9 %	70-130		02/20/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2508094
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/25	02/21/25	
Surrogate: n-Nonane	92.6 %	61-141		02/20/25	02/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2508089
Chloride	198	20.0	1	02/20/25	02/20/25	



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 3/6/2025 12:10:49PM
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Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2508084-BLK1)

Prepared: 02/20/25 Analyzed: 02/20/25

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	0.475		0.500		95.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.493		0.500		98.5	70-130			

LCS (2508084-BS1)

Prepared: 02/20/25 Analyzed: 02/20/25

Benzene	2.59	0.0250	2.50		104	70-130			
Ethylbenzene	2.57	0.0250	2.50		103	70-130			
Toluene	2.51	0.0250	2.50		101	70-130			
o-Xylene	2.52	0.0250	2.50		101	70-130			
p,m-Xylene	5.04	0.0500	5.00		101	70-130			
Total Xylenes	7.57	0.0250	7.50		101	70-130			
Surrogate: Bromofluorobenzene	0.486		0.500		97.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.480		0.500		95.9	70-130			

Matrix Spike (2508084-MS1)

Source: E502179-09

Prepared: 02/20/25 Analyzed: 02/20/25

Benzene	2.40	0.0250	2.50	ND	95.8	48-131			
Ethylbenzene	2.40	0.0250	2.50	ND	96.2	45-135			
Toluene	2.34	0.0250	2.50	ND	93.5	48-130			
o-Xylene	2.37	0.0250	2.50	ND	94.6	43-135			
p,m-Xylene	4.73	0.0500	5.00	ND	94.6	43-135			
Total Xylenes	7.10	0.0250	7.50	ND	94.6	43-135			
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.3	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.8	70-130			

Matrix Spike Dup (2508084-MSD1)

Source: E502179-09

Prepared: 02/20/25 Analyzed: 02/20/25

Benzene	2.31	0.0250	2.50	ND	92.4	48-131	3.66	23	
Ethylbenzene	2.31	0.0250	2.50	ND	92.5	45-135	3.86	27	
Toluene	2.24	0.0250	2.50	ND	89.7	48-130	4.17	24	
o-Xylene	2.21	0.0250	2.50	ND	88.4	43-135	6.84	27	
p,m-Xylene	4.43	0.0500	5.00	ND	88.7	43-135	6.51	27	
Total Xylenes	6.64	0.0250	7.50	ND	88.6	43-135	6.62	27	
Surrogate: Bromofluorobenzene	0.481		0.500		96.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.5	70-130			
Surrogate: Toluene-d8	0.480		0.500		95.9	70-130			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 3/6/2025 12:10:49PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2508084-BLK1)					Prepared: 02/20/25 Analyzed: 02/20/25				
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.475		0.500		95.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.493		0.500		98.5	70-130			

LCS (2508084-BS2)					Prepared: 02/20/25 Analyzed: 02/20/25				
Gasoline Range Organics (C6-C10)	56.3	20.0	50.0		113	70-130			
Surrogate: Bromofluorobenzene	0.483		0.500		96.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.493		0.500		98.6	70-130			

Matrix Spike (2508084-MS2)					Source: E502179-09		Prepared: 02/20/25 Analyzed: 02/20/25		
Gasoline Range Organics (C6-C10)	48.9	20.0	50.0	ND	97.9	70-130			
Surrogate: Bromofluorobenzene	0.482		0.500		96.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130			
Surrogate: Toluene-d8	0.484		0.500		96.7	70-130			

Matrix Spike Dup (2508084-MSD2)					Source: E502179-09		Prepared: 02/20/25 Analyzed: 02/20/25		
Gasoline Range Organics (C6-C10)	48.1	20.0	50.0	ND	96.2	70-130	1.76	20	
Surrogate: Bromofluorobenzene	0.479		0.500		95.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5	70-130			
Surrogate: Toluene-d8	0.488		0.500		97.6	70-130			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 3/6/2025 12:10:49PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2508094-BLK1)					Prepared: 02/20/25 Analyzed: 02/21/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.4		50.0		92.7	61-141			

LCS (2508094-BS1)					Prepared: 02/20/25 Analyzed: 02/21/25				
Diesel Range Organics (C10-C28)	250	25.0	250		100	66-144			
Surrogate: n-Nonane	46.6		50.0		93.1	61-141			

Matrix Spike (2508094-MS1)					Source: E502179-01		Prepared: 02/20/25 Analyzed: 02/21/25		
Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	56-156			
Surrogate: n-Nonane	48.6		50.0		97.2	61-141			

Matrix Spike Dup (2508094-MSD1)					Source: E502179-01		Prepared: 02/20/25 Analyzed: 02/21/25		
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	56-156	1.20	20	
Surrogate: n-Nonane	48.6		50.0		97.1	61-141			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 3/6/2025 12:10:49PM
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Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2508089-BLK1)				Prepared: 02/20/25 Analyzed: 02/20/25					
Chloride	ND	20.0							
LCS (2508089-BS1)				Prepared: 02/20/25 Analyzed: 02/20/25					
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2508089-MS1)				Source: E502180-04		Prepared: 02/20/25 Analyzed: 02/20/25			
Chloride	710	20.0	250	451	103	80-120			
Matrix Spike Dup (2508089-MSD1)				Source: E502180-04		Prepared: 02/20/25 Analyzed: 02/20/25			
Chloride	772	20.0	250	451	129	80-120	8.46	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 A CTB	
3101 Boyd Drive	Project Number:	24015-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	03/06/25 12:10

- 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.



Chain of Custody

Page 1 of 1

Client Information					Invoice Information			Lab Use Only				TAT				State							
Client: <u>Tap Rock Vertex</u>					Company: <u>Tap Rock</u>			Lab WO# <u>E202180</u>		Job Number <u>2405.0001</u>		1D		2D		3D		Std					
Project Name: <u>Promethas ACTB</u>					Address:													NM CO UT TX					
Project Manager: <u>Chance Dixon</u>					City, State, Zip: <u>on file</u>																		
Address:					Phone:																		
City, State, Zip: <u>on file</u>					Email:																		
Phone:					Miscellaneous:																		
Email: <u>Redi</u>																							
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	Cation/Anion Pkg	SDWA	CWA	RCRA				
8:00	2/18	Soil		BS25-17 2.2'			1						X										
8:30				BS25-18 2.2'			2																
9:00				BS25-30 2.2'			3																
9:30				BS25-38 2.2'			4																
10:00				BS25-51 2.2'			5																
10:30				BS25-57 3'			6																
11:00				BS25-58 1.5'			7																
11:30				BS25-59 2.2'			8																
12:00				BS25-75 1.5'			9																
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: <u>Kabrina Taylor</u>																							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time													
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time													
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time													
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA													
Note: Samples are discarded 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.																							



envirotech

Envirotech Analytical Laboratory

Printed: 2/20/2025 9:21:59AM

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:	02/20/25 07:30	Work Order ID:	E502180
Phone:	(575) 748-0176	Date Logged In:	02/19/25 14:58	Logged In By:	Caitlin Mars
Email:	cdixon@vertexresource.com	Due Date:	02/26/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

No of containers and sampled by not provided on COC.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Chain of Custody

Page 1 of 1

Client Information				Invoice Information		Lab Use Only		TAT		State			
Client: <u>Tap Rock Vertex</u>				Company: <u>Tap Rock</u>		Lab WO# <u>E502180</u> Job Number <u>24015.0001</u>		1D 2D 3D Std <input checked="" type="checkbox"/>		<input checked="" type="checkbox"/> NM <input type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> TX			
Project Name: <u>Prometheus 4CTB</u>				Address:									
Project Manager: <u>Chance Dixon</u>				City, State, Zip: <u>on file</u>									
Address:				Phone:									
City, State, Zip: <u>on file</u>				Email:									
Phone:				Miscellaneous:									
Email: <u>Kodi</u>													

Sample Information						Analysis and Method								EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	SDWA	CWA	RCRA
8:00	2/18	Soil		BS25-17 ^{NS 3-6-25} 2.2' 2.25'		1						X						
8:30				BS25-18 2.2' 2.25'		2												
9:00				BS25-30 2.2' 2.25'		3												
9:50				BS25-38 2.2' 2.25'		4												
10:00				BS25-51 2.2' 2.25'		5												
10:30				BS25-57 3'		6												
11:00				BS25-58 1.5'		7												
11:30				BS25-59 2.2' 2.25'		8												
12:00				BS25-75 1.5'		9												

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: Karina Taylor

Relinquished by: (Signature) <u>Karina Taylor</u>	Date <u>2/18</u>	Time <u>5:10 PM</u>	Received by: (Signature) <u>Michelle Gonzales</u>	Date <u>2-19-25</u>	Time <u>1300</u>
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date <u>2-19-25</u>	Time <u>1620</u>	Received by: (Signature) <u>Richard Gonzalez</u>	Date <u>2-19-25</u>	Time <u>1620</u>
Relinquished by: (Signature) <u>Richard Gonzalez</u>	Date <u>2-19-25</u>	Time <u>2200</u>	Received by: (Signature) <u>Carly Mar</u>	Date <u>2-20-25</u>	Time <u>730</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

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

Note: Samples are discarded 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.


envirotech

Sample Summary

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 02/26/25 10:56
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
WS25-01 2-4'	E502196-01A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
WS25-11 0-2'	E502196-02A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
WS25-12 1-2'	E502196-03A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
WS25-13 1-2'	E502196-04A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
WS25-14 1-2'	E502196-05A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
WS25-16 2-2.5'	E502196-06A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
WS25-17 2-2.5'	E502196-07A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
WS25-19 2-3'	E502196-08A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
WS25-20 2-3.5'	E502196-09A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
WS25-23 2-3.5'	E502196-10A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
WS25-24 2-3.5'	E502196-11A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/26/2025 10:56:15AM

WS25-01 2-4'

E502196-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2508106	
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	02/21/25	02/22/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.0 %	70-130	02/21/25	02/22/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/21/25	02/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2508106	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	02/21/25	02/22/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.0 %	70-130	02/21/25	02/22/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/21/25	02/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: AF		Batch: 2508121	
Diesel Range Organics (C10-C28)	165	25.0	1	02/21/25	02/21/25	
Oil Range Organics (C28-C36)	539	50.0	1	02/21/25	02/21/25	
<i>Surrogate: n-Nonane</i>		111 %	61-141	02/21/25	02/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2508120	
Chloride	108	20.0	1	02/21/25	02/21/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/26/2025 10:56:15AM

WS25-11 0-2'

E502196-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508106
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
Surrogate: Bromofluorobenzene		103 %	70-130	02/21/25	02/22/25	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130	02/21/25	02/22/25	
Surrogate: Toluene-d8		104 %	70-130	02/21/25	02/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508106
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
Surrogate: Bromofluorobenzene		103 %	70-130	02/21/25	02/22/25	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130	02/21/25	02/22/25	
Surrogate: Toluene-d8		104 %	70-130	02/21/25	02/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2508121
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/21/25	
Surrogate: n-Nonane		108 %	61-141	02/21/25	02/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2508120
Chloride	119	20.0	1	02/21/25	02/21/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/26/2025 10:56:15AM

WS25-12 1-2'

E502196-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508106
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
Surrogate: Bromofluorobenzene		102 %	70-130	02/21/25	02/22/25	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	02/21/25	02/22/25	
Surrogate: Toluene-d8		102 %	70-130	02/21/25	02/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508106
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
Surrogate: Bromofluorobenzene		102 %	70-130	02/21/25	02/22/25	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	02/21/25	02/22/25	
Surrogate: Toluene-d8		102 %	70-130	02/21/25	02/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2508121
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/21/25	
Surrogate: n-Nonane		119 %	61-141	02/21/25	02/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2508120
Chloride	77.5	20.0	1	02/21/25	02/21/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/26/2025 10:56:15AM

WS25-13 1-2'

E502196-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508106
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
Surrogate: Bromofluorobenzene		103 %	70-130	02/21/25	02/22/25	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	02/21/25	02/22/25	
Surrogate: Toluene-d8		104 %	70-130	02/21/25	02/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508106
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
Surrogate: Bromofluorobenzene		103 %	70-130	02/21/25	02/22/25	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	02/21/25	02/22/25	
Surrogate: Toluene-d8		104 %	70-130	02/21/25	02/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2508121
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/21/25	
Surrogate: n-Nonane		115 %	61-141	02/21/25	02/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2508120
Chloride	306	20.0	1	02/21/25	02/21/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/26/2025 10:56:15AM

WS25-14 1-2'

E502196-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508106
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
Surrogate: Bromofluorobenzene		103 %	70-130	02/21/25	02/22/25	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	02/21/25	02/22/25	
Surrogate: Toluene-d8		103 %	70-130	02/21/25	02/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508106
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
Surrogate: Bromofluorobenzene		103 %	70-130	02/21/25	02/22/25	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	02/21/25	02/22/25	
Surrogate: Toluene-d8		103 %	70-130	02/21/25	02/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2508121
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/21/25	
Surrogate: n-Nonane		116 %	61-141	02/21/25	02/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2508120
Chloride	592	20.0	1	02/21/25	02/21/25	



Sample Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/26/2025 10:56:15AM
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WS25-16 2-2.5'

E502196-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508106
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
Surrogate: Bromofluorobenzene		100 %	70-130	02/21/25	02/22/25	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	02/21/25	02/22/25	
Surrogate: Toluene-d8		104 %	70-130	02/21/25	02/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508106
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
Surrogate: Bromofluorobenzene		100 %	70-130	02/21/25	02/22/25	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	02/21/25	02/22/25	
Surrogate: Toluene-d8		104 %	70-130	02/21/25	02/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2508121
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/21/25	
Surrogate: n-Nonane		112 %	61-141	02/21/25	02/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2508120
Chloride	410	20.0	1	02/21/25	02/21/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/26/2025 10:56:15AM

WS25-17 2-2.5'

E502196-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508106
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
Surrogate: Bromofluorobenzene		105 %	70-130	02/21/25	02/22/25	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130	02/21/25	02/22/25	
Surrogate: Toluene-d8		102 %	70-130	02/21/25	02/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508106
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
Surrogate: Bromofluorobenzene		105 %	70-130	02/21/25	02/22/25	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130	02/21/25	02/22/25	
Surrogate: Toluene-d8		102 %	70-130	02/21/25	02/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2508121
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/21/25	
Surrogate: n-Nonane		118 %	61-141	02/21/25	02/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2508120
Chloride	176	20.0	1	02/21/25	02/21/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/26/2025 10:56:15AM

WS25-19 2-3'

E502196-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508106
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
Surrogate: Bromofluorobenzene		104 %	70-130	02/21/25	02/22/25	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130	02/21/25	02/22/25	
Surrogate: Toluene-d8		103 %	70-130	02/21/25	02/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508106
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
Surrogate: Bromofluorobenzene		104 %	70-130	02/21/25	02/22/25	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130	02/21/25	02/22/25	
Surrogate: Toluene-d8		103 %	70-130	02/21/25	02/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2508121
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/21/25	
Surrogate: n-Nonane		119 %	61-141	02/21/25	02/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2508120
Chloride	381	20.0	1	02/21/25	02/21/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/26/2025 10:56:15AM

WS25-20 2-3.5'

E502196-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508106
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
Surrogate: Bromofluorobenzene		103 %	70-130	02/21/25	02/22/25	
Surrogate: 1,2-Dichloroethane-d4		93.1 %	70-130	02/21/25	02/22/25	
Surrogate: Toluene-d8		104 %	70-130	02/21/25	02/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508106
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
Surrogate: Bromofluorobenzene		103 %	70-130	02/21/25	02/22/25	
Surrogate: 1,2-Dichloroethane-d4		93.1 %	70-130	02/21/25	02/22/25	
Surrogate: Toluene-d8		104 %	70-130	02/21/25	02/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2508121
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/21/25	
Surrogate: n-Nonane		118 %	61-141	02/21/25	02/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2508120
Chloride	201	20.0	1	02/21/25	02/21/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/26/2025 10:56:15AM

WS25-23 2-3.5'

E502196-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508106
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
Surrogate: Bromofluorobenzene		102 %	70-130	02/21/25	02/22/25	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130	02/21/25	02/22/25	
Surrogate: Toluene-d8		104 %	70-130	02/21/25	02/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508106
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
Surrogate: Bromofluorobenzene		102 %	70-130	02/21/25	02/22/25	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130	02/21/25	02/22/25	
Surrogate: Toluene-d8		104 %	70-130	02/21/25	02/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2508121
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/21/25	
Surrogate: n-Nonane		112 %	61-141	02/21/25	02/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2508120
Chloride	223	20.0	1	02/21/25	02/21/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
2/26/2025 10:56:15AM

WS25-24 2-3.5'

E502196-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508106
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
Surrogate: Bromofluorobenzene		101 %	70-130	02/21/25	02/22/25	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130	02/21/25	02/22/25	
Surrogate: Toluene-d8		103 %	70-130	02/21/25	02/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508106
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
Surrogate: Bromofluorobenzene		101 %	70-130	02/21/25	02/22/25	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130	02/21/25	02/22/25	
Surrogate: Toluene-d8		103 %	70-130	02/21/25	02/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2508121
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/21/25	
Surrogate: n-Nonane		119 %	61-141	02/21/25	02/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2508120
Chloride	1410	20.0	1	02/21/25	02/21/25	



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/26/2025 10:56:15AM
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Volatile Organic Compounds by EPA 8260B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2508106-BLK1)

Prepared: 02/21/25 Analyzed: 02/22/25

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	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.2	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			

LCS (2508106-BS1)

Prepared: 02/21/25 Analyzed: 02/22/25

Benzene	2.54	0.0250	2.50		102	70-130			
Ethylbenzene	2.59	0.0250	2.50		104	70-130			
Toluene	2.71	0.0250	2.50		108	70-130			
o-Xylene	2.70	0.0250	2.50		108	70-130			
p,m-Xylene	5.59	0.0500	5.00		112	70-130			
Total Xylenes	8.30	0.0250	7.50		111	70-130			
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.8	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			

Matrix Spike (2508106-MS1)

Source: E502196-07

Prepared: 02/21/25 Analyzed: 02/22/25

Benzene	2.35	0.0250	2.50	ND	94.2	48-131			
Ethylbenzene	2.49	0.0250	2.50	ND	99.7	45-135			
Toluene	2.59	0.0250	2.50	ND	104	48-130			
o-Xylene	2.52	0.0250	2.50	ND	101	43-135			
p,m-Xylene	5.24	0.0500	5.00	ND	105	43-135			
Total Xylenes	7.76	0.0250	7.50	ND	103	43-135			
Surrogate: Bromofluorobenzene	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			

Matrix Spike Dup (2508106-MSD1)

Source: E502196-07

Prepared: 02/21/25 Analyzed: 02/22/25

Benzene	2.36	0.0250	2.50	ND	94.6	48-131	0.403	23	
Ethylbenzene	2.42	0.0250	2.50	ND	96.8	45-135	2.97	27	
Toluene	2.51	0.0250	2.50	ND	100	48-130	3.51	24	
o-Xylene	2.54	0.0250	2.50	ND	101	43-135	0.494	27	
p,m-Xylene	5.18	0.0500	5.00	ND	104	43-135	1.05	27	
Total Xylenes	7.72	0.0250	7.50	ND	103	43-135	0.543	27	
Surrogate: Bromofluorobenzene	0.516		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/26/2025 10:56:15AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2508106-BLK1)

Prepared: 02/21/25 Analyzed: 02/22/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.2	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			

LCS (2508106-BS2)

Prepared: 02/21/25 Analyzed: 02/22/25

Gasoline Range Organics (C6-C10)	53.1	20.0	50.0		106	70-130			
Surrogate: Bromofluorobenzene	0.529		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.8	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

Matrix Spike (2508106-MS2)

Source: E502196-07

Prepared: 02/21/25 Analyzed: 02/22/25

Gasoline Range Organics (C6-C10)	50.8	20.0	50.0	ND	102	70-130			
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

Matrix Spike Dup (2508106-MSD2)

Source: E502196-07

Prepared: 02/21/25 Analyzed: 02/22/25

Gasoline Range Organics (C6-C10)	51.9	20.0	50.0	ND	104	70-130	2.03	20	
Surrogate: Bromofluorobenzene	0.530		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.5	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 2/26/2025 10:56:15AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2508121-BLK1)

Prepared: 02/21/25 Analyzed: 02/21/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.2		50.0		106	61-141			

LCS (2508121-BS1)

Prepared: 02/21/25 Analyzed: 02/21/25

Diesel Range Organics (C10-C28)	292	25.0	250		117	66-144			
Surrogate: n-Nonane	52.8		50.0		106	61-141			

Matrix Spike (2508121-MS1)

Source: E502196-04

Prepared: 02/21/25 Analyzed: 02/21/25

Diesel Range Organics (C10-C28)	313	25.0	250	ND	125	56-156			
Surrogate: n-Nonane	69.0		50.0		138	61-141			

Matrix Spike Dup (2508121-MSD1)

Source: E502196-04

Prepared: 02/21/25 Analyzed: 02/21/25

Diesel Range Organics (C10-C28)	311	25.0	250	ND	125	56-156	0.427	20	
Surrogate: n-Nonane	57.2		50.0		114	61-141			



QC Summary Data

Vertex Resource Services Inc.	Project Name:	Prometheus A CTB	Reported:
3101 Boyd Drive	Project Number:	24015-0001	
Carlsbad NM, 88220	Project Manager:	Chance Dixon	2/26/2025 10:56:15AM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2508120-BLK1)					Prepared: 02/21/25 Analyzed: 02/21/25				
Chloride	ND	20.0							
LCS (2508120-BS1)					Prepared: 02/21/25 Analyzed: 02/21/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2508120-MS1)					Source: E502196-02		Prepared: 02/21/25 Analyzed: 02/21/25		
Chloride	381	20.0	250	119	105	80-120			
Matrix Spike Dup (2508120-MSD1)					Source: E502196-02		Prepared: 02/21/25 Analyzed: 02/21/25		
Chloride	378	20.0	250	119	104	80-120	0.801	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 A CTB	
3101 Boyd Drive	Project Number:	24015-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	02/26/25 10:56

- 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

Page 1 of 2

Client Information				Invoice Information				Lab Use Only				TAT				State				
Client: <u>Venter</u>				Company: <u>Tap Rock</u>				Lab WO# <u>E562196</u>		Job Number <u>24015-0001</u>		1D	2D	3D	Std	NM	CO	UT	TX	
Project Name: <u>Prometheus A CTB</u>				Address:																
Project Manager: <u>Chance Dixon</u>				City, State, Zip:																
Address: <u>on file</u>				Phone: <u>on file</u>																
City, State, Zip:				Email:																
Phone:				Miscellaneous:																
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	TCFQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	SDWA	CWA	RCRA		
9:00	2/19	Soil		WS25-01 2-4'		1						X								
9:30				WS25-11 0-2'		2														
10:00				WS25-12 1-2'		3														
10:30				WS25-13 1-2'		4														
11:00				WS25-14 1-2'		5														
11:30				WS25-16 2-2.5'		6														
12:00				WS25-17 2-2.5'		7														
12:30				WS25-19 2-3'		8														
13:00				WS25-20 2-3.5'		9														
13:30				WS25-23 2-3.5'		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: <u>Katrina Taylor</u>																				
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 5 °C on subsequent days. Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time													
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
Note: Samples are discarded 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.																				





Envirotech Analytical Laboratory

Printed: 2/21/2025 10:43:37AM

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:	02/21/25 04:30	Work Order ID:	E502196
Phone:	(575) 748-0176	Date Logged In:	02/20/25 15:54	Logged In By:	Caitlin Mars
Email:	cdixon@vertexresource.com	Due Date:	02/27/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

No of containers not provided on COC.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Sample Summary

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 03/06/25 12:14
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
WS25-25 1.5-3'	E502203-01A	Soil	02/20/25	02/22/25	Glass Jar, 4 oz.
WS25-26 2-2.5'	E502203-02A	Soil	02/20/25	02/22/25	Glass Jar, 4 oz.
WS25-27 2-3.5'	E502203-03A	Soil	02/20/25	02/22/25	Glass Jar, 4 oz.
WS25-28 2-3.5'	E502203-04A	Soil	02/20/25	02/22/25	Glass Jar, 4 oz.
WS25-29 2-2.5'	E502203-05A	Soil	02/20/25	02/22/25	Glass Jar, 4 oz.
BS25-28 4'	E502203-06A	Soil	02/20/25	02/22/25	Glass Jar, 4 oz.



Sample Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 3/6/2025 12:14:55PM
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WS25-25 1.5-3'

E502203-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2508125	
Benzene	ND	0.0250	1	02/22/25	02/23/25	
Ethylbenzene	ND	0.0250	1	02/22/25	02/23/25	
Toluene	ND	0.0250	1	02/22/25	02/23/25	
o-Xylene	ND	0.0250	1	02/22/25	02/23/25	
p,m-Xylene	ND	0.0500	1	02/22/25	02/23/25	
Total Xylenes	ND	0.0250	1	02/22/25	02/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	76.8 %	70-130		02/22/25	02/23/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2508125	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/25	02/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	95.8 %	70-130		02/22/25	02/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2508136	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/25	02/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/25	02/23/25	
<i>Surrogate: n-Nonane</i>	109 %	61-141		02/22/25	02/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2509003	
Chloride	499	20.0	1	02/23/25	02/23/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
3/6/2025 12:14:55PM

WS25-26 2-2.5'

E502203-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2508125	
Benzene	ND	0.0250	1	02/22/25	02/23/25	
Ethylbenzene	ND	0.0250	1	02/22/25	02/23/25	
Toluene	ND	0.0250	1	02/22/25	02/23/25	
o-Xylene	ND	0.0250	1	02/22/25	02/23/25	
p,m-Xylene	ND	0.0500	1	02/22/25	02/23/25	
Total Xylenes	ND	0.0250	1	02/22/25	02/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	76.6 %	70-130		02/22/25	02/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2508125	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/25	02/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.4 %	70-130		02/22/25	02/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2508136	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/25	02/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/25	02/23/25	
<i>Surrogate: n-Nonane</i>						
	107 %	61-141		02/22/25	02/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2509003	
Chloride	73.9	20.0	1	02/23/25	02/23/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
3/6/2025 12:14:55PM

WS25-27 2-3.5'

E502203-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508125
Benzene	ND	0.0250	1	02/22/25	02/23/25	
Ethylbenzene	ND	0.0250	1	02/22/25	02/23/25	
Toluene	ND	0.0250	1	02/22/25	02/23/25	
o-Xylene	ND	0.0250	1	02/22/25	02/23/25	
p,m-Xylene	ND	0.0500	1	02/22/25	02/23/25	
Total Xylenes	ND	0.0250	1	02/22/25	02/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	75.9 %	70-130		02/22/25	02/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508125
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/25	02/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	108 %	70-130		02/22/25	02/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2508136
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/25	02/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/25	02/23/25	
<i>Surrogate: n-Nonane</i>						
	107 %	61-141		02/22/25	02/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2509003
Chloride	447	20.0	1	02/23/25	02/23/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
3/6/2025 12:14:55PM

WS25-28 2-3.5'

E502203-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508125
Benzene	ND	0.0250	1	02/22/25	02/23/25	
Ethylbenzene	ND	0.0250	1	02/22/25	02/23/25	
Toluene	ND	0.0250	1	02/22/25	02/23/25	
o-Xylene	ND	0.0250	1	02/22/25	02/23/25	
p,m-Xylene	ND	0.0500	1	02/22/25	02/23/25	
Total Xylenes	ND	0.0250	1	02/22/25	02/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	76.2 %	70-130		02/22/25	02/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508125
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/25	02/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	119 %	70-130		02/22/25	02/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2508136
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/25	02/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/25	02/23/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		02/22/25	02/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2509003
Chloride	152	20.0	1	02/23/25	02/23/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
3/6/2025 12:14:55PM

WS25-29 2-2.5'

E502203-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2508125	
Benzene	ND	0.0250	1	02/22/25	02/23/25	
Ethylbenzene	ND	0.0250	1	02/22/25	02/23/25	
Toluene	ND	0.0250	1	02/22/25	02/23/25	
o-Xylene	ND	0.0250	1	02/22/25	02/23/25	
p,m-Xylene	ND	0.0500	1	02/22/25	02/23/25	
Total Xylenes	ND	0.0250	1	02/22/25	02/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	74.6 %	70-130		02/22/25	02/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2508125	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/25	02/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	128 %	70-130		02/22/25	02/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2508136	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/25	02/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/25	02/23/25	
<i>Surrogate: n-Nonane</i>						
	113 %	61-141		02/22/25	02/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2509003	
Chloride	165	40.0	2	02/23/25	02/23/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
3/6/2025 12:14:55PM

BS25-28 4'

E502203-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508125
Benzene	ND	0.0250	1	02/22/25	02/25/25	
Ethylbenzene	ND	0.0250	1	02/22/25	02/25/25	
Toluene	ND	0.0250	1	02/22/25	02/25/25	
o-Xylene	ND	0.0250	1	02/22/25	02/25/25	
p,m-Xylene	ND	0.0500	1	02/22/25	02/25/25	
Total Xylenes	ND	0.0250	1	02/22/25	02/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		80.2 %	70-130	02/22/25	02/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508125
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/25	02/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.7 %	70-130	02/22/25	02/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2508136
Diesel Range Organics (C10-C28)	262	25.0	1	02/22/25	02/23/25	
Oil Range Organics (C28-C36)	601	50.0	1	02/22/25	02/23/25	
<i>Surrogate: n-Nonane</i>						
		104 %	61-141	02/22/25	02/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2509003
Chloride	174	20.0	1	02/23/25	02/23/25	



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 3/6/2025 12:14:55PM
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2508125-BLK1) Prepared: 02/22/25 Analyzed: 02/22/25

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	6.49		8.00		81.1	70-130			

LCS (2508125-BS1) Prepared: 02/22/25 Analyzed: 02/22/25

Benzene	4.89	0.0250	5.00		97.8	70-130			
Ethylbenzene	4.69	0.0250	5.00		93.8	70-130			
Toluene	4.82	0.0250	5.00		96.4	70-130			
o-Xylene	4.70	0.0250	5.00		94.0	70-130			
p,m-Xylene	9.53	0.0500	10.0		95.3	70-130			
Total Xylenes	14.2	0.0250	15.0		94.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.52		8.00		81.5	70-130			

LCS Dup (2508125-BSD1) Prepared: 02/22/25 Analyzed: 02/22/25

Benzene	4.90	0.0250	5.00		98.1	70-130	0.341	20	
Ethylbenzene	4.72	0.0250	5.00		94.4	70-130	0.643	20	
Toluene	4.84	0.0250	5.00		96.9	70-130	0.458	20	
o-Xylene	4.76	0.0250	5.00		95.3	70-130	1.32	20	
p,m-Xylene	9.59	0.0500	10.0		95.9	70-130	0.659	20	
Total Xylenes	14.4	0.0250	15.0		95.7	70-130	0.876	20	
Surrogate: 4-Bromochlorobenzene-PID	6.48		8.00		81.0	70-130			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 3/6/2025 12:14:55PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2508125-BLK1) Prepared: 02/22/25 Analyzed: 02/22/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.1	70-130			

LCS (2508125-BS2) Prepared: 02/22/25 Analyzed: 02/22/25

Gasoline Range Organics (C6-C10)	39.6	20.0	50.0		79.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.1	70-130			

LCS Dup (2508125-BSD2) Prepared: 02/22/25 Analyzed: 02/22/25

Gasoline Range Organics (C6-C10)	40.4	20.0	50.0		80.8	70-130	2.01	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.8	70-130			



QC Summary Data

Vertex Resource Services Inc.	Project Name:	Prometheus A CTB	Reported:
3101 Boyd Drive	Project Number:	24015-0001	
Carlsbad NM, 88220	Project Manager:	Chance Dixon	3/6/2025 12:14:55PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2508136-BLK1)					Prepared: 02/22/25 Analyzed: 02/23/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.8		50.0		102	61-141			

LCS (2508136-BS1)					Prepared: 02/22/25 Analyzed: 02/23/25				
Diesel Range Organics (C10-C28)	237	25.0	250		94.9	66-144			
Surrogate: n-Nonane	51.5		50.0		103	61-141			

Matrix Spike (2508136-MS1)					Source: E502204-01		Prepared: 02/22/25 Analyzed: 02/23/25		
Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	56-156			
Surrogate: n-Nonane	56.6		50.0		113	61-141			

Matrix Spike Dup (2508136-MSD1)					Source: E502204-01		Prepared: 02/22/25 Analyzed: 02/23/25		
Diesel Range Organics (C10-C28)	246	25.0	250	ND	98.4	56-156	8.82	20	
Surrogate: n-Nonane	54.0		50.0		108	61-141			



QC Summary Data

Vertex Resource Services Inc.	Project Name:	Prometheus A CTB	Reported:
3101 Boyd Drive	Project Number:	24015-0001	
Carlsbad NM, 88220	Project Manager:	Chance Dixon	3/6/2025 12:14:55PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2509003-BLK1)					Prepared: 02/23/25 Analyzed: 02/23/25				
Chloride	ND	20.0							
LCS (2509003-BS1)					Prepared: 02/23/25 Analyzed: 02/23/25				
Chloride	256	20.0	250		103	90-110			
Matrix Spike (2509003-MS1)					Source: E502203-03		Prepared: 02/23/25 Analyzed: 02/23/25		
Chloride	675	20.0	250	447	91.2	80-120			
Matrix Spike Dup (2509003-MSD1)					Source: E502203-03		Prepared: 02/23/25 Analyzed: 02/23/25		
Chloride	679	20.0	250	447	92.9	80-120	0.607	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 A CTB	
3101 Boyd Drive	Project Number:	24015-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	03/06/25 12:14

- 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.



Chain of Custody

Page 1 of 1

Client Information				Invoice Information				Lab Use Only				TAT				State							
Client: <u>#0 Vertex</u>				Company: <u>TAP ROCK</u>				Lab WO# <u>E502203</u>				Job Number <u>24050001</u>				1D 2D 3D Std							
Project Name: <u>Prometheus ACTB</u>				Address:												NM CO UT TX							
Project Manager: <u>Chance</u>				City, State, Zip: <u>on file</u>																			
Address:				Phone:																			
City, State, Zip: <u>on file</u>				Email:																			
Phone:				Miscellaneous:																			
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	Cation/Anion Pkg	SDWA	CWA	RCRA					
9:00	2/20	Soil		WS25-25 1.5-3'		1						X											
9:30				WS25-26 2-2.5'		2																	
10:00				WS25-27 2-2.5'		3																	
10:30				WS25-28 2-2.2'		4																	
11:00				WS25-29 2-2.5'		5																	
11:30	✓	✓		BS25-28 4'		6						✓											
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: <u>Katrina Taylor</u>																							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time													
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time													
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time													
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other <u>NS</u> 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.																							

Noe Sato 2-22-25 0500



envirotech

Envirotech Analytical Laboratory

Printed: 2/24/2025 2:56:03PM

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:	02/22/25 05:00	Work Order ID:	E502203
Phone:	(575) 748-0176	Date Logged In:	02/21/25 15:29	Logged In By:	Noe Soto
Email:	cdixon@vertexresource.com	Due Date:	02/25/25 17:00 (1 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

No. of containers not provided on COC by client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Chain of Custody

Page 1 of 1

Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: <u>#0 Vertex</u>				Company: <u>TAP ROCK</u>		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: <u>Promethews ACTS</u>				Address:		<u>EE502203</u>	<u>2405.0001</u>												
Project Manager: <u>Chance</u>				City, State, Zip: <u>on file</u>															
Address:				Phone:															
City, State, Zip: <u>on file</u>				Email:															
Phone:				Miscellaneous:															
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	Cation/Anion Pig	SDWA	CWA	RCRA	
9:00	2/20	Soil		WS25-25 1.5-3'		1						X							
9:30				WS25-26 2-2.5'		2													
10:00				WS25-27 2-2.5' 2-3.5'		3													
10:30				WS25-28 2-2.2' 2-3.5'		4													
11:00				WS25-29 2-2.5'		5													
11:30	✓	✓		BS25-28 4'		6													
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: <u>Katrina Taylor</u>																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
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.																			

Noe Sato 2-22-25 0500



envirotech

Sample Summary

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 03/06/25 12:25
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BS25-49 4'	E502289-01A	Soil	02/27/25	03/03/25	Glass Jar, 2 oz.
BS25-28 4.5'	E502289-02A	Soil	02/27/25	03/03/25	Glass Jar, 2 oz.
WS25-30 2-4'	E502289-03A	Soil	02/27/25	03/03/25	Glass Jar, 2 oz.
WS25-31 2.5-4.5'	E502289-04A	Soil	02/27/25	03/03/25	Glass Jar, 2 oz.
WS25-08 0-3.5'	E502289-05A	Soil	02/27/25	03/03/25	Glass Jar, 2 oz.
WS25-07 0-4.5'	E502289-06A	Soil	02/27/25	03/03/25	Glass Jar, 2 oz.



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
3/6/2025 12:25:51PM

BS25-49 4'

E502289-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2510001	
Benzene	ND	0.0250	1	03/03/25	03/03/25	
Ethylbenzene	ND	0.0250	1	03/03/25	03/03/25	
Toluene	ND	0.0250	1	03/03/25	03/03/25	
o-Xylene	ND	0.0250	1	03/03/25	03/03/25	
p,m-Xylene	ND	0.0500	1	03/03/25	03/03/25	
Total Xylenes	ND	0.0250	1	03/03/25	03/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		81.9 %	70-130	03/03/25	03/03/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2510001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/25	03/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.1 %	70-130	03/03/25	03/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2510004	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/25	03/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/25	03/03/25	
<i>Surrogate: n-Nonane</i>		119 %	61-141	03/03/25	03/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2510003	
Chloride	ND	20.0	1	03/03/25	03/03/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
3/6/2025 12:25:51PM

BS25-28 4.5'

E502289-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2510001	
Benzene	ND	0.0250	1	03/03/25	03/03/25	
Ethylbenzene	ND	0.0250	1	03/03/25	03/03/25	
Toluene	ND	0.0250	1	03/03/25	03/03/25	
o-Xylene	ND	0.0250	1	03/03/25	03/03/25	
p,m-Xylene	ND	0.0500	1	03/03/25	03/03/25	
Total Xylenes	ND	0.0250	1	03/03/25	03/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	81.1 %	70-130		03/03/25	03/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2510001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/25	03/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.6 %	70-130		03/03/25	03/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: AF		Batch: 2510004	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/25	03/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/25	03/03/25	
<i>Surrogate: n-Nonane</i>						
	113 %	61-141		03/03/25	03/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2510003	
Chloride	ND	20.0	1	03/03/25	03/03/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
3/6/2025 12:25:51PM

WS25-30 2-4'

E502289-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2510001	
Benzene	ND	0.0250	1	03/03/25	03/03/25	
Ethylbenzene	ND	0.0250	1	03/03/25	03/03/25	
Toluene	ND	0.0250	1	03/03/25	03/03/25	
o-Xylene	ND	0.0250	1	03/03/25	03/03/25	
p,m-Xylene	ND	0.0500	1	03/03/25	03/03/25	
Total Xylenes	ND	0.0250	1	03/03/25	03/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	81.9 %	70-130		03/03/25	03/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2510001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/25	03/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.9 %	70-130		03/03/25	03/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: AF		Batch: 2510004	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/25	03/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/25	03/03/25	
<i>Surrogate: n-Nonane</i>						
	120 %	61-141		03/03/25	03/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2510003	
Chloride	ND	20.0	1	03/03/25	03/03/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
3/6/2025 12:25:51PM

WS25-31 2.5-4.5'

E502289-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2510001	
Benzene	ND	0.0250	1	03/03/25	03/03/25	
Ethylbenzene	ND	0.0250	1	03/03/25	03/03/25	
Toluene	ND	0.0250	1	03/03/25	03/03/25	
o-Xylene	ND	0.0250	1	03/03/25	03/03/25	
p,m-Xylene	ND	0.0500	1	03/03/25	03/03/25	
Total Xylenes	ND	0.0250	1	03/03/25	03/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.6 %	70-130		03/03/25	03/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2510001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/25	03/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.5 %	70-130		03/03/25	03/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: AF		Batch: 2510004	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/25	03/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/25	03/03/25	
<i>Surrogate: n-Nonane</i>						
	114 %	61-141		03/03/25	03/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2510003	
Chloride	ND	20.0	1	03/03/25	03/03/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
3/6/2025 12:25:51PM

WS25-08 0-3.5'

E502289-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2510001	
Benzene	ND	0.0250	1	03/03/25	03/03/25	
Ethylbenzene	ND	0.0250	1	03/03/25	03/03/25	
Toluene	ND	0.0250	1	03/03/25	03/03/25	
o-Xylene	ND	0.0250	1	03/03/25	03/03/25	
p,m-Xylene	ND	0.0500	1	03/03/25	03/03/25	
Total Xylenes	ND	0.0250	1	03/03/25	03/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.8 %	70-130		03/03/25	03/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2510001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/25	03/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.9 %	70-130		03/03/25	03/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: AF		Batch: 2510004	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/25	03/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/25	03/03/25	
<i>Surrogate: n-Nonane</i>						
	112 %	61-141		03/03/25	03/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2510003	
Chloride	ND	20.0	1	03/03/25	03/03/25	



Sample Data

Vertex Resource Services Inc.
3101 Boyd Drive
Carlsbad NM, 88220

Project Name: Prometheus A CTB
Project Number: 24015-0001
Project Manager: Chance Dixon

Reported:
3/6/2025 12:25:51PM

WS25-07 0-4.5'

E502289-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2510001	
Benzene	ND	0.0250	1	03/03/25	03/03/25	
Ethylbenzene	ND	0.0250	1	03/03/25	03/03/25	
Toluene	ND	0.0250	1	03/03/25	03/03/25	
o-Xylene	ND	0.0250	1	03/03/25	03/03/25	
p,m-Xylene	ND	0.0500	1	03/03/25	03/03/25	
Total Xylenes	ND	0.0250	1	03/03/25	03/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.0 %	70-130		03/03/25	03/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2510001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/25	03/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.1 %	70-130		03/03/25	03/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: AF		Batch: 2510004	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/25	03/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/25	03/03/25	
<i>Surrogate: n-Nonane</i>						
	109 %	61-141		03/03/25	03/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2510003	
Chloride	ND	20.0	1	03/03/25	03/03/25	



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 3/6/2025 12:25:51PM
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Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2510001-BLK1)

Prepared: 03/03/25 Analyzed: 03/03/25

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	6.08		8.00		76.0	70-130			

LCS (2510001-BS1)

Prepared: 03/03/25 Analyzed: 03/03/25

Benzene	4.69	0.0250	5.00		93.9	70-130			
Ethylbenzene	4.58	0.0250	5.00		91.7	70-130			
Toluene	4.67	0.0250	5.00		93.5	70-130			
o-Xylene	4.57	0.0250	5.00		91.4	70-130			
p,m-Xylene	9.32	0.0500	10.0		93.2	70-130			
Total Xylenes	13.9	0.0250	15.0		92.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.31		8.00		78.8	70-130			

LCS Dup (2510001-BSD1)

Prepared: 03/03/25 Analyzed: 03/03/25

Benzene	4.44	0.0250	5.00		88.7	70-130	5.65	20	
Ethylbenzene	4.35	0.0250	5.00		86.9	70-130	5.34	20	
Toluene	4.43	0.0250	5.00		88.5	70-130	5.44	20	
o-Xylene	4.38	0.0250	5.00		87.7	70-130	4.15	20	
p,m-Xylene	8.87	0.0500	10.0		88.7	70-130	5.00	20	
Total Xylenes	13.3	0.0250	15.0		88.3	70-130	4.72	20	
Surrogate: 4-Bromochlorobenzene-PID	6.41		8.00		80.1	70-130			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 3/6/2025 12:25:51PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2510001-BLK1)					Prepared: 03/03/25 Analyzed: 03/03/25				
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.78		8.00		97.2	70-130			

LCS (2510001-BS2)					Prepared: 03/03/25 Analyzed: 03/03/25				
Gasoline Range Organics (C6-C10)	43.8	20.0	50.0		87.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.63		8.00		95.4	70-130			

LCS Dup (2510001-BSD2)					Prepared: 03/03/25 Analyzed: 03/03/25				
Gasoline Range Organics (C6-C10)	43.9	20.0	50.0		87.8	70-130	0.334	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		8.00		96.8	70-130			



QC Summary Data

Vertex Resource Services Inc.	Project Name:	Prometheus A CTB	Reported:
3101 Boyd Drive	Project Number:	24015-0001	
Carlsbad NM, 88220	Project Manager:	Chance Dixon	3/6/2025 12:25:51PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2510004-BLK1)					Prepared: 03/03/25 Analyzed: 03/03/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.1		50.0		108	61-141			

LCS (2510004-BS1)					Prepared: 03/03/25 Analyzed: 03/03/25				
Diesel Range Organics (C10-C28)	256	25.0	250		103	66-144			
Surrogate: n-Nonane	53.8		50.0		108	61-141			

Matrix Spike (2510004-MS1)					Source: E502288-06		Prepared: 03/03/25 Analyzed: 03/03/25		
Diesel Range Organics (C10-C28)	282	25.0	250	ND	113	56-156			
Surrogate: n-Nonane	55.9		50.0		112	61-141			

Matrix Spike Dup (2510004-MSD1)					Source: E502288-06		Prepared: 03/03/25 Analyzed: 03/03/25		
Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	56-156	1.88	20	
Surrogate: n-Nonane	58.2		50.0		116	61-141			



QC Summary Data

Vertex Resource Services Inc. 3101 Boyd Drive Carlsbad NM, 88220	Project Name: Prometheus A CTB Project Number: 24015-0001 Project Manager: Chance Dixon	Reported: 3/6/2025 12:25:51PM
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Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2510003-BLK1)					Prepared: 03/03/25 Analyzed: 03/03/25				
Chloride	ND	20.0							
LCS (2510003-BS1)					Prepared: 03/03/25 Analyzed: 03/03/25				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2510003-MS1)					Source: E502288-04		Prepared: 03/03/25 Analyzed: 03/03/25		
Chloride	253	20.0	250	ND	101	80-120			
Matrix Spike Dup (2510003-MSD1)					Source: E502288-04		Prepared: 03/03/25 Analyzed: 03/03/25		
Chloride	253	20.0	250	ND	101	80-120	0.00789	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 A CTB	
3101 Boyd Drive	Project Number:	24015-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Chance Dixon	03/06/25 12:25

- 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

[illegible]

Envirotech Analytical Laboratory

Printed: 3/3/2025 9:56:20AM

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:	03/03/25 05:30	Work Order ID:	E502289
Phone:	(575) 748-0176	Date Logged In:	02/28/25 15:13	Logged In By:	Noe Soto
Email:	cdixon@vertexresource.com	Due Date:	03/03/25 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Chain of Custody

Page 1 of 1

Client Information				Invoice Information		Lab Use Only		TAT		State					
Client: <u>Verax/Top Rock</u>				Company: <u>Top Rock</u>		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX
Project Name: <u>Proanthus A GTB</u>				Address: <u>Bill Ramsey</u>		<u>E502289</u>	<u>240510001</u>	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>			
Project Manager: <u>Charles Dixon</u>				City, State, Zip:											
Address: <u>on file</u>				Phone:											
City, State, Zip:				Email:											
Phone:				Miscellaneous:											
Email:															

Sample Information						Analysis and Method										EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRD/ORD by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	SDWA	CWA	RCRA	
1:45	2/27	soil	1	BS25-49 4'		1													
1:50				BS25-28 4.5'		2													
1:55				WS25-26 2-4'		3													
2:00				WS25-27 2.5-4.5'		4													
2:05				WS25-06 0-3.5'		5													
2:10				WS25-07 0-4.5'		6													

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: Charles Dixon

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<u>CD</u>	2/28		<u>Michelle Gonzales</u>	2-28-25	0930
<u>Michelle Gonzales</u>	2-28-25	1600	<u>J. M.</u>	2-28-25	1700
<u>J. M.</u>	2-28-25	2400	<u>Keith Ma</u>	3-3-25	0530

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.

Lab Use Only

Received on ice: 0 / 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.



envirotech

From: [Chance Dixon](#)
To: [Wells, Shelly, EMNRD](#)
Subject: RE: [EXTERNAL] RE: NAPP2436138858 PROMETHEUS A CTB
Date: Monday, April 7, 2025 9:44:40 AM

WS25-28 ma'am.

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Monday, April 7, 2025 9:38 AM
To: Chance Dixon <cdixon@vertexresource.com>
Subject: RE: [EXTERNAL] RE: NAPP2436138858 PROMETHEUS A CTB

Caution: This email is from an external sender. Please take care when clicking links or opening attachments. When in doubt, contact your IT Department

One quick question what was the overexcavated wall for WS25-24?

Shelly

From: Chance Dixon <cdixon@vertexresource.com>
Sent: Monday, April 7, 2025 8:59 AM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Subject: [EXTERNAL] RE: NAPP2436138858 PROMETHEUS A CTB

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

Hi Shelly,

BS25-28 was excavated to 4.5'. Apologies for that error on the schematic. The wall step-outs are listed below.

WS25-01>WS25-30
WS25-10>WS25-11
WS25-15>WS25-25
WS25-18>WS25-30

WS25-21 and WS25-22 were just proposed sample points, but were omitted from the project after it was determined they were not needed for just a six-inch difference in depth and did not form a sidewall.

Chance

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Sent: Monday, April 7, 2025 8:33 AM

To: Chance Dixon <cdixon@vertexresource.com>

Subject: NAPP2436138858 PROMETHEUS A CTB

Caution: This email is from an external sender. Please take care when clicking links or opening attachments. When in doubt, contact your IT Department

Good morning Chance,

I am reviewing the remediation closure report for the following incident NAPP2436138858 PROMETHEUS A CTB and have some questions. First, the table lists BS25-28 as being excavated to 4.5' depth however on Figure 2 it shows the excavation as only down to 2.5'. Which is correct? When referring to the sidewall samples collected, what sidewall samples replaced WS25-01, WS25-10 and WS25-24 when they failed? Or better yet, where were these located on the Figure? Also what happened with samples WS25-15, 18, 21 and 22? I look forward to hearing your answers.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 444489

QUESTIONS

Operator: Jonah Energy LLC 370 17th Street Denver, CO 80202	OGRID: 333010
	Action Number: 444489
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2436138858
Incident Name	NAPP2436138858 PROMETHEUS A CTB @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2212541268] PROMETHEUS A CTB

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Prometheus A CTB
Date Release Discovered	12/25/2024
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: High Line Pressure Valve Produced Water Released: 38 BBL Recovered: 22 BBL Lost: 16 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
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.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 2

Action 444489

QUESTIONS (continued)

Operator: Jonah Energy LLC 370 17th Street Denver, CO 80202	OGRID: 333010
	Action Number: 444489
	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: Chance Dixon Title: Project Manager Email: cdixon@vertex.ca Date: 12/26/2024
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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, Page 3

Action 444489

QUESTIONS (continued)

Operator: Jonah Energy LLC 370 17th Street Denver, CO 80202	OGRID: 333010
	Action Number: 444489
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>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.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (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)	Between 1 and 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	Greater than 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	No

Remediation Plan	
<i>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.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>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.</i>	
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)	16300
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	863
GRO+DRO (EPA SW-846 Method 8015M)	262
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>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>	
On what estimated date will the remediation commence	01/27/2025
On what date will (or did) the final sampling or liner inspection occur	02/27/2025
On what date will (or was) the remediation complete(d)	02/27/2025
What is the estimated surface area (in square feet) that will be reclaimed	13174
What is the estimated volume (in cubic yards) that will be reclaimed	2540
What is the estimated surface area (in square feet) that will be remediated	13174
What is the estimated volume (in cubic yards) that will be remediated	2320
<i>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.</i>	
<i>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.</i>	

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QUESTIONS, Page 4

Action 444489

QUESTIONS (continued)

Operator: Jonah Energy LLC 370 17th Street Denver, CO 80202	OGRID: 333010
	Action Number: 444489
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>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.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	OWL LANDFILL JAL [fJEG1635837366]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	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.
<i>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>	
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 Vertex Email: cdixon@vertexresource.com Date: 03/21/2025
<i>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.</i>	

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QUESTIONS, Page 5

Action 444489

QUESTIONS (continued)

Operator: Jonah Energy LLC 370 17th Street Denver, CO 80202	OGRID: 333010
	Action Number: 444489
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 444489

QUESTIONS (continued)

Operator: Jonah Energy LLC 370 17th Street Denver, CO 80202	OGRID:
	333010
	Action Number:
	444489
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	435131
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/28/2025
What was the (estimated) number of samples that were to be gathered	10
What was the sampling surface area in square feet	2000

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	13174
What was the total volume (cubic yards) remediated	2320
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	13174
What was the total volume (in cubic yards) reclaimed	2540
Summarize any additional remediation activities not included by answers (above)	Site was remediated to the strictest criteria.

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 Vertex Email: cdixon@vertexresource.com Date: 03/21/2025
--	--

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QUESTIONS, Page 7

Action 444489

QUESTIONS (continued)

Operator: Jonah Energy LLC 370 17th Street Denver, CO 80202	OGRID: 333010
	Action Number: 444489
	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 444489

CONDITIONS

Operator: Jonah Energy LLC 370 17th Street Denver, CO 80202	OGRID: 333010
	Action Number: 444489
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	4/7/2025